CARMONA RESOURCES

SITE INFORMATION

Remediation Work Plan
Cigarillo PW System ROW (11.03.2018)
Incident ID: nAB1834536769
Eddy County, New Mexico
Unit S, Sec 17, T23S, R28E
32.29821°, -104.10861°

Produced Water Release
Point of Release: 8” Polyline Ruptured from Over Pressurization in the System
Release Date: 11.03.2018
Volume Released: 248 Barrels of Produced Water
Volume Recovered: 98 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
EOG Resources Inc.
5509 Champions Drive
Midland, Texas 79706

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

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432.813.1992

CARMONA RESOURCES

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432.813.1992

CARMONA RESOURCES

April 17, 2026

Mr. Nelson Velez
Senior Environmental Scientist
Oil Conservation Division, District 2
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Remediation Work Plan
Cigarillo PW System ROW (11.03.2018)
EOG Resources Inc.
Incident # nAB1834536769
Site Location: Unit S, Sec 17, T23S, R28E
(Lat 32.29821°, Long -104.10861º)
Eddy County, New Mexico

Mr. Velez:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC (Carmona Resources) has prepared this letter to propose site activities for the Cigarillo PW System ROW. The site is located at 32.29821°, - 104.10861° within Unit S, S17, T23S, R28E in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 3, 2018, due to 8" polyline ruptured from over pressurization in the system resulting in a release. The incident resulted in approximately two hundred forty-eight (248) barrels of produced water to be released, with ninety-eight (98) barrels of produced water recovered. The release remained on pad and no fluids left the location. The spill boundaries are shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one active freshwater sources within a 0.50-mile radius of the location. The USGS water well (321753104065201) is located 0.48 miles west of the release area and was measured in 2013 to a depth of 61.05' below ground surface (bgs). The release is greater than 500' from the nearest commercial building, which is a ConocoPhillips field office located at 15 W London Rd, Loving, NM 88256. The office does not house permanent residents, nor does it have a water well onsite. Water is provided to this office by the city. The nearest flood hazard zone is located approximately 0.55 miles southeast from the location. Irrigation canals are located directly south and west of the release area but the slightly elevated berm surrounding the perimeter of the well pad contained the release area to the well pad. The Pecos River is located approximately 2.96 miles east of the release area.

During a desktop review of spill incidents in the nearby area, incident ID: nAPP2422659329 contained additional investigations of the groundwater in the area. Found in Appendix F, a "Remediation Summary and Variance Request" document contains the following information. *"….on August 21, 2024, a temporary monitor well (NMOSE ID #C-04869 POD-1) was drilled nearby to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 30 feet bgs and left open for over 72 hours. A groundwater gauging event conducted on August 28, 2024, indicated that the depth to*

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groundwater was approximately 22 feet bgs. Following gauging, a groundwater sample was collected from the well, the temporary PVC casing was removed, and the well was plugged and abandoned in accordance with an NMOSE-approved "Plugging Plan of Operations." "The groundwater sample collected from temporary monitor well C-04869 POD-1 on August 28, 2024, was submitted to the laboratory for analysis of chloride and total dissolved solids (TDS). Laboratory analytical results indicated that the chloride concentration was 6,000 mg/L and the TDS concentration was 12,600 mg/L. Since the background concentrations of chloride and TDS exceed the New Mexico Water Quality Control Commission (NMWQCC) standards of 250.0 mg/L and 1,000.0 mg/L specified in Sections 20.6.2.3103 B.(1) and B.(7) NMAC, respectively, the groundwater underlying the release site is not "fresh water", pursuant to NMAC Section 19.15.29.12 C.(4)(c)(ii)."

NMAC Section 19.15.29.7.A.4 states *"a release of a volume that may with reasonable probability be detrimental to **fresh water**"* which, as mentioned above, has been determined to not be determinantal to freshwater as the groundwater located below the site is not considered freshwater. An additional definition to freshwater can be found in NMAC Section 19.15.2.7.F.3 as it states, *"**Fresh water"** to be protected includes the water in lakes and playas (regardless of quality, unless the water exceeds 10,000 mg/l TDS and it can be shown that degradation of the particular water body will not adversely affect hydrologically connected fresh ground water), the surface waters of streams regardless of the water quality within a given reach, and underground waters containing 10,000 mg/l or less of TDS except for which, after notice and hearing, it is found there is no present or reasonably foreseeable beneficial use that contamination of such waters would impair."*

Additionally, a karst survey was completed on April 2, 2026. The Karst Survey was completed in order to proceed with remediating per the standards set in Table 1 NMAC 19.15.29.12 Groundwater >51 feet due to the site being determined to be in a "Low Karst" environment. *"Although unidentified subsurface karst features within the survey area are possible, no obvious potential karst features were identified during an extensive survey of the area."* See Appendix D for groundwater research and the karst survey.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On April 6, 2026, Carmona Resources performed site assessment activities to evaluate soil impacts stemming from the release. A total of ten (10) boreholes (BH-1 through BH-10) and eighteen (18) horizontal samples (H- 1 through H-18) were advanced to depths ranging from surface to 20.0 ft bgs inside and surrounding the release area to evaluate the vertical and horizontal extent of the release. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved in the areas of BH-1 through BH-10 for Benzene, total BTEX, TPH, and Chloride concentrations.

Horizontal Delineation

Horizontal delineation was achieved in the areas of H-1 through H-18 for Benzene, total BTEX, TPH, and Chloride concentrations.

5.0 Proposed Work Plan

Based on the analytical data and the detected chloride concentrations, EOG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas BH-1 through BH-9 will be excavated/scraped to a depth of 0.5 ft bgs and backfilled with clean material to surface grade.
- Due to the excavation taking place within close proximity to buried utilities, a combination of hydro excavating and mechanical excavating will take place.
- An estimated 2,095 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth of the release.
- An alternate sampling plan to increase five-point composite floor samples from 200sqft to 400sqft frequency is requested to represent the remediated area.
- Due to the excavation/scrape being less than 1.0’ bgs, the previously collected horizontal delineation samples will be utilized in place of composite sidewall samples.
- Once the site activities and excavation are complete, the areas will be backfilled with clean laboratory tested material to surface grade. Remediation will meet 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standard will be left in place and will meet NMAC 19.15.29.13D (1) once the site is no longer reasonably needed for operations.
- The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

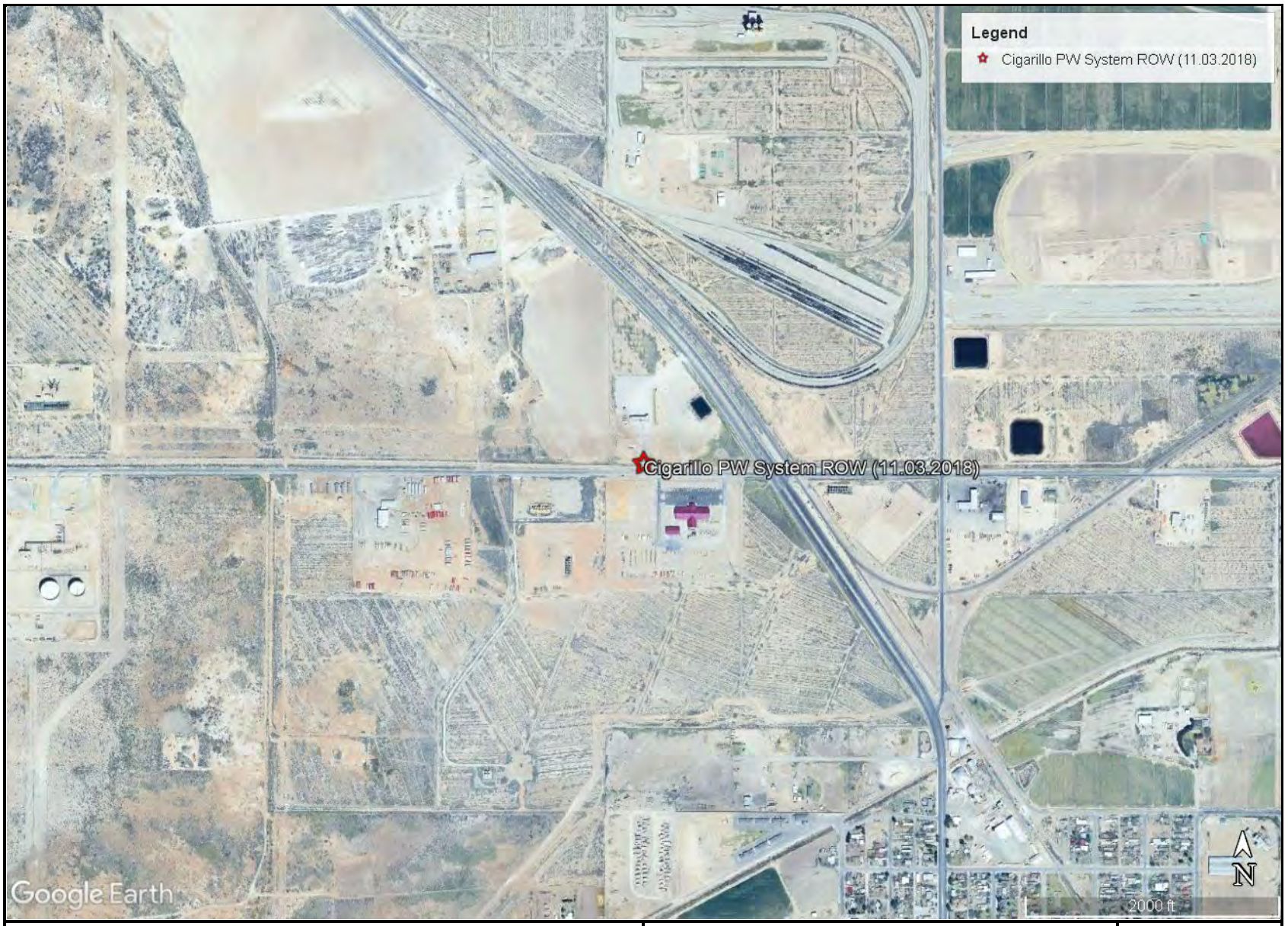
Sincerely,
Carmona Resources, LLC

Ashton Thielke
Director of Operations

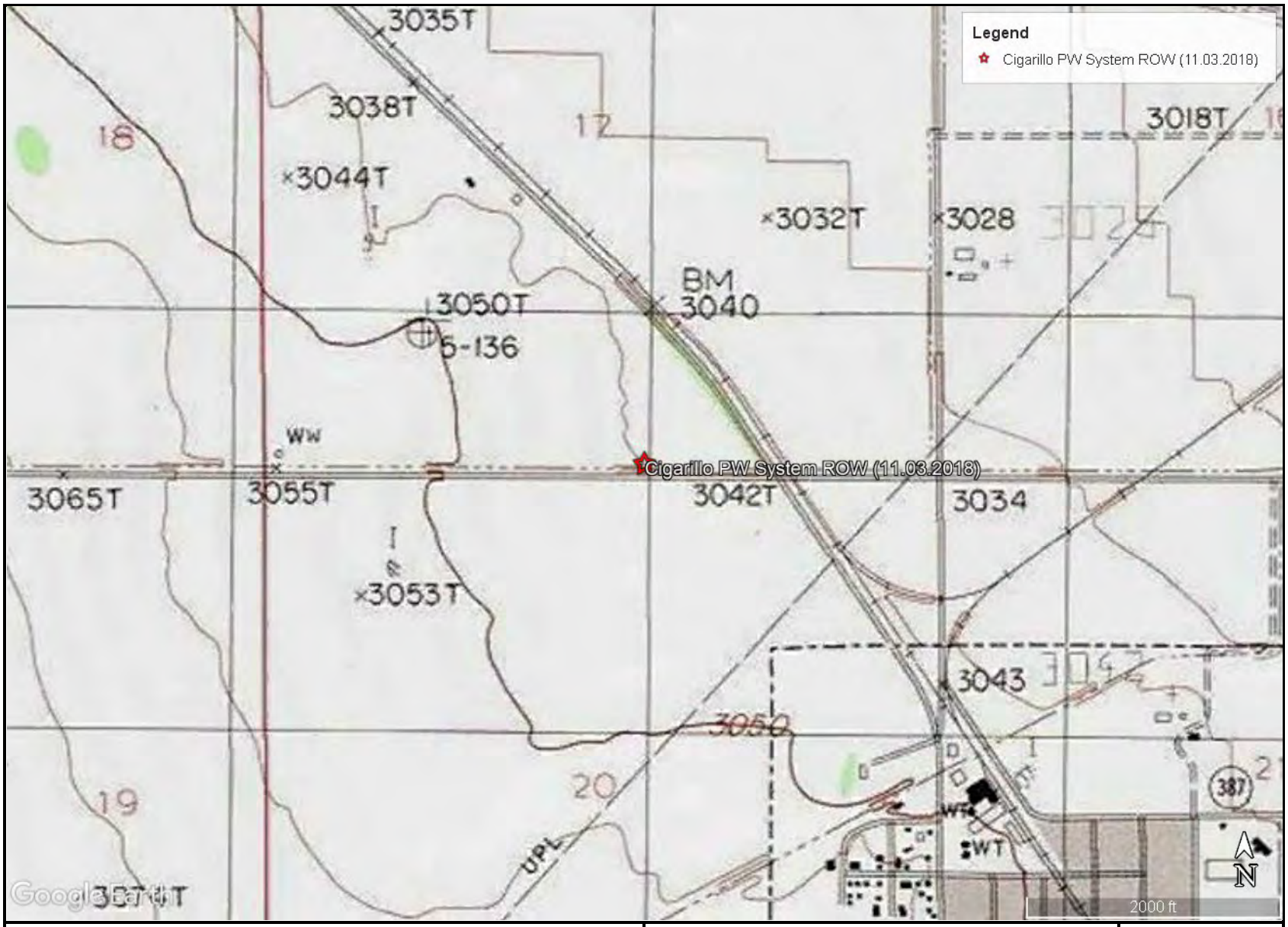
Gilbert Priego Jr
Project Manager

FIGURES

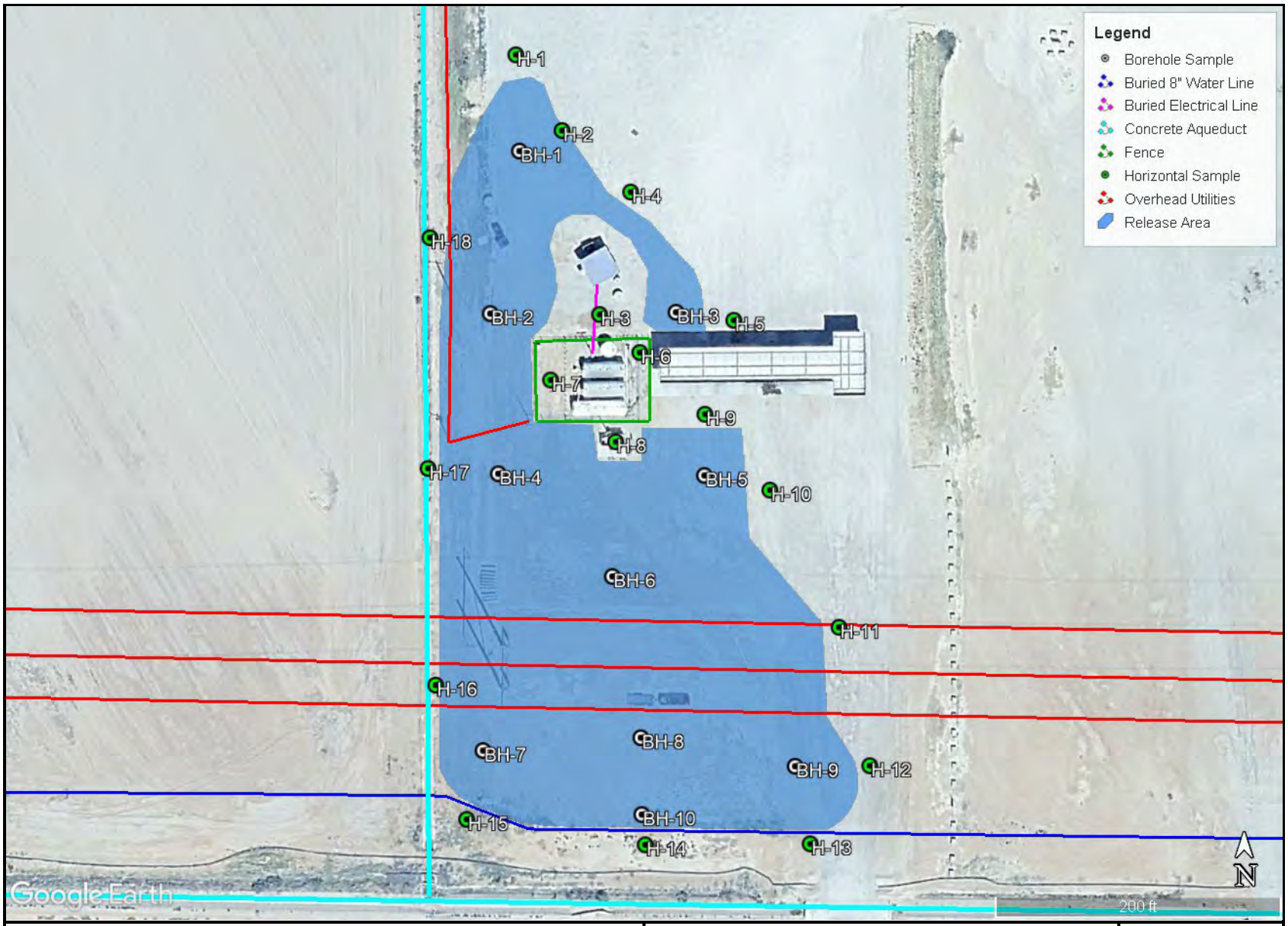
CARMONA RESOURCES



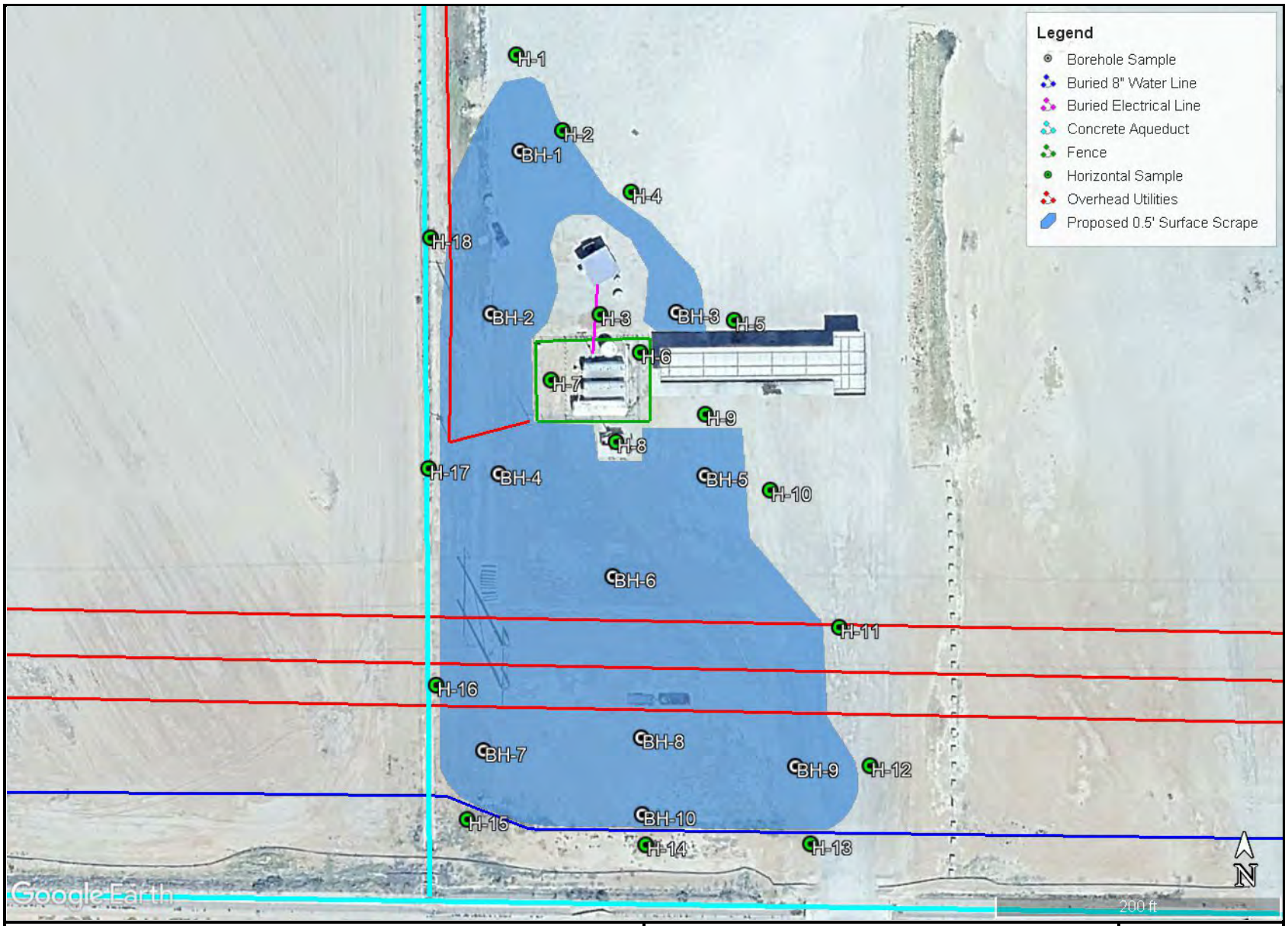
OVERVIEW MAP EOG RESOURCES INC CIGARILLO PW SYSTEM ROW (11.03.2018) EDDY COUNTY, NEW MEXICO 32.29821°, -104.10861°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP EOG RESOURCES INC CIGARILLO PW SYSTEM ROW (11.03.2018) EDDY COUNTY, NEW MEXICO 32.29821°, -104.10861°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP EOG RESOURCES INC CIGARILLO PW SYSTEM ROW (11.03.2018) EDDY COUNTY, NEW MEXICO 32.29821°, -104.10861°	CARMONA RESOURCES	FIGURE 3



PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES INC CIGARILLO PW SYSTEM ROW (11.03.2018) EDDY COUNTY, NEW MEXICO 32.29821°, -104.10861°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
EOG Resources
Cigarillo PW System ROW (11.03.2018)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-1	4/6/2026	0-0.25'	<49.9	71.0	<49.9	71.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,830
	"	1.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,420
	"	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,530
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,050
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,300
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,160
	"	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,230
	"	10.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	664
	"	16.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	435
	"	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	464
BH-2	4/6/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,620
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,460
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,830
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,850
	"	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,510
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,000
	"	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,430
	"	10.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	836
	"	16.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	550
	"	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	398
BH-3	4/6/2026	0-0.25'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**23,700**
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	951
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	802
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,560
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,480
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,860
	"	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	838
	"	10.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	583
	"	16.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	803
	"	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	285
BH-4	4/6/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**52,100**
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,360
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,380
	"	3.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,430
	"	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,470
	"	5.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,720
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	321
	"	10.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	271
	"	16.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	128
	"	20.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	179
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(BH) Borehole Sample
Proposed Excavation

Table 1
EOG Resources
Cigarillo PW System ROW (11.03.2018)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-5	4/6/2026	0-0.25'	<49.8	67.9	<49.8	67.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**10,400**
	"	1.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	770
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	957
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,380
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,090
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,340
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	396
	"	10.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	427
	"	16.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	223
	"	20.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	163
BH-6	4/6/2026	0-0.25'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,520
	"	1.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,520
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,730
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,010
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	771
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	499
	"	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	539
	"	10.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	519
	"	16.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	206
	"	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	161
BH-7	4/6/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**11,700**
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,890
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	520
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	336
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	192
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	118
	"	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	147
	"	10.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	153
	"	16.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	132
	"	20.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	128
BH-8	4/6/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**32,200**
	"	1.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,480
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,820
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,200
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	958
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	398
	"	8.0'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	125
	"	10.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	119
	"	16.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	155
	"	20.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	195
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(BH) Borehole Sample
Proposed Excavation

Table 1
EOG Resources
Cigarillo PW System ROW (11.03.2018)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-9	4/6/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,010
	"	1.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	839
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,270
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	936
	"	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	404
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
	"	8.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	312
	"	10.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	358
	"	16.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	111
	"	20.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	96.1
BH-10	4/6/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,010
	"	1.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,140
	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,010
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	475
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	73.8
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	75.3
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.1
	"	10.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	85.9
	"	12.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	74.7
	"	14.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	225
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(BH) Borehole Sample
Proposed Excavation

Table 1
EOG Resources
Cigarillo PW System ROW (11.03.2018)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
H-2	4/6/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.0
H-3	4/6/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
H-4	4/6/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.0
H-5	4/6/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
H-6	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
H-7	4/6/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.98
H-8	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.6
H-9	4/6/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.98
H-10	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.94
H-11	4/6/2026	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<9.90
H-12	4/6/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
H-13	4/6/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<10.1
H-14	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<10.1
H-15	4/6/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
H-16	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.96
H-17	4/6/2026	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.92
H-18	4/6/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	15.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View East, area of BH-1.

Photograph No. 2

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View West, area of BH-2.

Photograph No. 3

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Northwest, area of BH-3

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

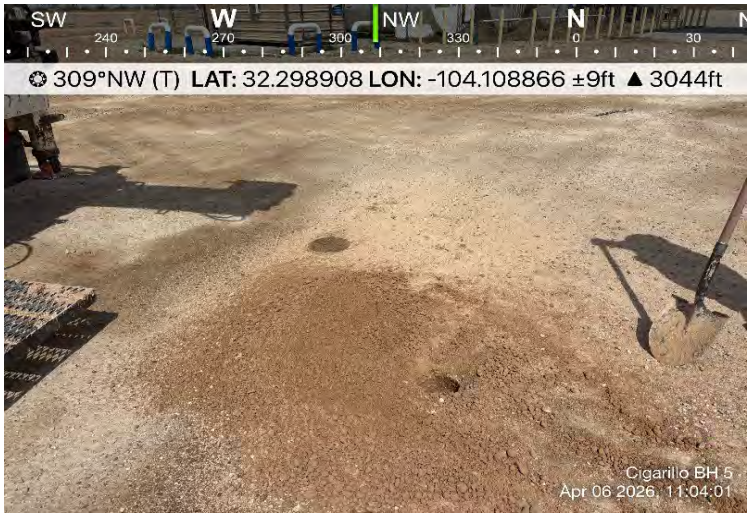
Description:
View North, area of BH-4.

Photograph No. 5

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Northwest, area BH-5.



Photograph No. 6

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Southwest, Area of BH-6

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 7

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Northeast, area of BH-7.

Photograph No. 8

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Southeast, area BH-8.

Photograph No. 9

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Northeast, Area of BH-9.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 10

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View Southwest, area of BH-10.

Photograph No. 11

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View South, area of concern.

Photograph No. 12

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View North, Area of concern.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 13

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View East, area of concern.

Photograph No. 14

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View South, area of concern.

Photograph No. 15

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View East, Area of concern.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 16

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View South, area of concern.

Photograph No. 17

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View West, area of concern.

Photograph No. 18

Facility: Cigarillo PW System ROW (11.03.2018)

County: Eddy County, New Mexico

Description:
View West, Area of concern.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NAB1834536769
District RP	2RP-5096
Facility ID	fAB1834536161
Application ID	pAB1834536382

Release Notification

Responsible Party

Responsible Party: EOG Resources, Inc	OGRID: 7377
Contact Name: Jamon Hohensee	Contact Telephone: 432-686-3760
Contact email: jamon_hohensee@eogresources.com	Incident # *(assigned by OCD)*
Contact mailing address: 5509 Champions Drive, Midland, TX 79706	

Location of Release Source

Latitude 32.29820 Longitude -104.10860
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Cigarillo PW System ROW	Site Type: Pipeline ROW
Date Release Discovered: 11/3/18	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
S	17	23S	28E	EDDY

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: Henry McDonald*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 248	Volume Recovered (bbls) 98
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: On 11/3/18 an 8" SDR 11 polypipe ruptured from over pressurization in the system. An estimated 6,966 cubic feet were impacted with a porosity of .2 for the area. Which equals approx. 248 bbls released. Vacuum trucks were called out and recovered 98 bbls. The line was isolated and repaired the same day. Notice was given to Mike Bratcher and Jim Griswold within 24hrs. Land owner was also notified of release. A third party environmental firm will begin site characterization the remediation process. (A C141 was sent to the OCD on Nov 15 2018 and returned with a request for calculations on the spill volume.)

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1834536769
District RP	2RP-5096
Facility ID	fAB1834536161
Application ID	pAB1834536382

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25bbls of PW was released
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? An email was sent to Mike Bratcher and Jim Griswold with 24hrs of the release. ** ** 11/04/2018? AB	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jamon Hohensee Title: Environmental Representative

Signature: Jamon H. Date: 11/30/2018

email: jamon_hohensee@eogresources.com Telephone: 432-556-8074

OCD Only

Received by: Amalia Barrameda Date: 12/11/2018

From: Pruett, Maria, EMNRD
To: Bustamante, Amalia, EMNRD
Subject: FW: Cigarillo SWD PW system ROW C141
Date: Friday, November 30, 2018 3:47:44 PM
Attachments: Cigarillo SWD revised C141.pdf

From: Jamon Hohensee <Jamon_Hohensee@eogresources.com>
Sent: Friday, November 30, 2018 9:21 AM
To: Pruett, Maria, EMNRD <Maria.Pruett@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Subject: [EXT] RE: Cigarillo SWD PW system ROW C141

Hello again Maria, here is the revised C141 with spill calculations. Thanks for all your help!

Jamon Hohensee
Environmental Rep
Midland Division
C: 432-556-8074
O: 432-686-3760

From: Pruett, Maria, EMNRD [mailto:Maria.Pruett@state.nm.us]
Sent: Tuesday, November 20, 2018 1:35 PM
To: Jamon Hohensee <Jamon_Hohensee@eogresources.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: Cigarillo SWD PW system ROW C141

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

Hello Mr. Hohensee,

It is necessary to completely fill in the form. We are now using a new web-based system that will not allow for permit generation with empty fields. I understand that spill calculations are difficult, however there needs to be some calculations for an estimate, an "eyeball" estimate is no longer accepted. Many companies have estimates based on area/depth/porosity, some use vac-truck tickets. It is expected that once delineation and remediation has occurred that actual volumes may change.

Best Regards,

Maria Pruett

Environmental Specialist
N.M. Oil Conservation Division

District 2
811 S. 1st Street
Artesia, NM 88210
Desk: 575 748-1283 X 101
Cell: 575 840-5963
Fax: 575748-9720

From: Jamon Hohensee <Jamon_Hohensee@eogresources.com>
Sent: Tuesday, November 20, 2018 12:20 PM
To: Pruett, Maria, EMNRD <Maria.Pruett@state.nm.us>
Subject: [EXT] RE: Cigarillo SWD PW system ROW C141

Here is the form with the section township info. I was under the impression that during OCD spill rule training Jim Griswold informed us that the Lat and Long would be sufficient (to five decimals) for locations of the spills.

As for the calculations, this was the specific justification from our Area foreman and Lease operator gave to me. Considering that it is extremely difficult to calculate the volume of fluid exiting a 2in rip in a pipe with varying pressures due to fluid loss, shutting down of equipment, exiting pressure do to depth below ground level, and other factors, these numbers were from their long experience in the field dealing with spills and equipment malfunctions. We are working hard to find a fool proof way of calculating these releases, but each spill has its own different characteristics that makes it challenging.

Thanks again for all your help with this!

Jamon Hohensee
Environmental Rep
Midland Division
C: 432-556-8074
O: 432-686-3760

From: Pruett, Maria, EMNRD [mailto:Maria.Pruett@state.nm.us]
Sent: Tuesday, November 20, 2018 11:02 AM
To: Jamon Hohensee <Jamon_Hohensee@eogresources.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: Cigarillo SWD PW system ROW C141

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

Hello Mr. Hohensee,

Thank you for the form! Please fill in section/township/range section and include spill calculations and I will begin processing this spill. Please let me know if you have any questions.

Best Regards,

Maria Pruett

Environmental Specialist
N.M. Oil Conservation Division
District 2
811 S. 1st Street
Artesia, NM 88210
Desk: 575 748-1283 X 101
Cell: 575 840-5963
Fax: 575748-9720

From: Jamon Hohensee <Jamon_Hohensee@eogresources.com>
Sent: Tuesday, November 20, 2018 9:47 AM
To: Pruett, Maria, EMNRD <Maria.Pruett@state.nm.us>
Subject: [EXT] FW: Cigarillo SWD PW system ROW C141

Here is the C141. Thanks for calling me back and filling me in on the news. Have a great Thanksgiving!

Jamon Hohensee
Environmental Rep
Midland Division
C: 432-556-8074
O: 432-686-3760

From: Jamon Hohensee
Sent: Thursday, November 15, 2018 10:40 AM
To: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>
Cc: Alan.Brandon@ghd.com
Subject: Cigarillo SWD PW system ROW C141

Mike, here is the C141 for the pw release at the Cigarillo SWD system ROW that occurred on 11/3/18. GHD environmental is working on the site characterization. Let me know if you have any questions. Thanks.

Jamon Hohensee
Environmental Rep
Midland Division
C: 432-556-8074
O: 432-686-3760

eog resources

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

EOG RESOURCES INC

Legend

- 0.16 Miles
- 0.35 Miles
- 0.48 Miles
- 0.50 Mile Radius
- 0.54 Miles
- CIGARILLO PW SYSTEM ROW (11.03.2018)
- NMSEO Water Well
- USGS Water Well

50' - Drilled 1958

61.05' - Drilled 2013

CIGARILLO PW SYSTEM ROW (11.03.2018)

22' - Drilled 2024

50.83' - Drilled 1996

N

2000 ft

Received by OCD: 4/20/2026 10:57:46 AM

Medium Karst

EOG RESOURCES INC

Legend

- CIGARILLO PW SYSTEM ROW (11.03.2018)
- Medium

CIGARILLO PW SYSTEM ROW (11.03.2018)

N

2000 ft

Google Earth

Released to Imaging: 5/22/2026 8:29:06 AM

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 smallest to largest)

(meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 00851		C	ED			SW	17	23S	28E	583438.0	3574217.0 *		616	200	50	150
C 00313		CUB	ED	SW	SW	SW	17	23S	28E	583136.0	3573915.0 *		792	250	75	175
C 04866 POD1		CUB	ED	SW	SW	SW	17	23S	28E	583059.8	3574000.1		880	280	153	127
C 04560 POD2		CUB	ED	NW	SW	SW	16	23S	28E	584856.9	3574036.3		952	36	25	11
C 00911 POD2		C	ED	NW	NE	SE	20	23S	28E	584359.0	3572911.0 *		1024	69	34	35
C 00911 POD3		C	ED	NW	NE	SE	20	23S	28E	584359.0	3572911.0 *		1024	218	60	158
C 00520		C	ED	NW	NW	SW	16	23S	28E	584754.0	3574538.0 *		1084	115	33	82
C 00521		C	ED	NW	NW	SW	16	23S	28E	584754.0	3574538.0 *		1084	218	33	185
C 00544		C	ED	SW	SW	NW	21	23S	28E	584762.0	3573120.0 *		1103	27		
C 02848		CUB	ED	SW	SW	NW	21	23S	28E	584762.0	3573120.0 *		1103	130		
C 00312		CUB	ED	SW	SW	NW	20	23S	28E	583094.1	3573015.0		1170	230	70	160
C 00577		C	ED	SW	NW	SW	21	23S	28E	584764.0	3572714.0 *		1403	35	10	25
C 00578		C	ED	SW	NW	SW	21	23S	28E	584764.0	3572714.0 *		1403	28	18	10
C 00643		C	ED	SW	NW	SW	21	23S	28E	584764.0	3572714.0 *		1403	76	10	66
C 03762 POD1		CUB	ED	SE	SE	NE	17	23S	28E	585313.8	3574066.1		1407	40	31	9
C 03542 POD1		CUB	ED	NE	SE	SE	20	23S	28E	584615.3	3572530.0		1479	22	16	6
C 03542 POD2		CUB	ED	NE	SE	SE	20	23S	28E	584619.5	3572497.4		1510	30		
C 04289 POD1		C	ED	NW	NW	NE	19	23S	28E	582387.3	3573717.5		1542	91	78	13
C 00650		C	ED	NW	SW	SW	21	23S	28E	584767.0	3572508.0 *		1574	32	12	20
C 00539		C	ED	SW	SW	SW	21	23S	28E	584767.0	3572308.0 *		1747	28	6	22
C 00716		C	ED				21	23S	28E	585471.0	3573012.0 *		1753	140	69	71
C 04225 POD1		C	ED	NE	NE	SW	18	23S	28E	582167.1	3574424.0		1852	120	71	49
C 03472 POD1		CUB	ED	SE	SE	SE	07	23S	28E	582893.9	3575479.7		1937	140	40	100
C 00311		C	ED	SE	NE	NW	16	23S	28E	585353.0	3575152.0 *		1939	163	55	108
C 02846 S		CUB	ED	SE	SE	SE	07	23S	28E	582926.0	3575527.0 *		1961	150	40	110

Average Depth to Water: **44 feet**

Minimum Depth: **6 feet**

Maximum Depth: **153 feet**

Record Count: 25

UTM Filters (in meters):

Easting: 583925.00

Northing: 3573839.00

Radius: 2000

*** UTM location was derived from PLSS - see Help**

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-04869

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Mewbourne Oil Co.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
4801 Business Park Blvd.	Hobbs	NM	88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	17	48.42	N
	LONGITUDE	-104	06	41.57	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SENE S-2 T19S R28E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8/21/24	8/21/24	30	30	22

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 22

DATE STATIC MEASURED: 8/28/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A no casing left in hole		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	1	1	white caliche	Y ✓N	
1	20	19	light brown silty clay	Y ✓N	
20	30	10	dark brown silty clay with some small gravel	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: N/A

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Well was drilled on 8/21/24, water was encountered so drilling was ceased, well was gauged with a well sounder on 8/28/24, static water level was 22' BGS, casing was pulled and well was plugged in accordance with the approved plugging plan.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

James Hawley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9/4/24 — DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 765138
File Nbr: C 04869

Aug. 14, 2024

JAMES HAWLEY
MEWBOURNE OIL CO.
P.O. BOX 3641
HOBBS, NM 88241

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Rodolfo Chavez

Rodolfo Chavez
(575)622-6521

Enclosure

explore

File No. C-04869 POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐ Construction Site/Public Works Dewatering	☒ Other(Describe): groundwater determination
☐ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Check here if the borehole is anything other than vertifical (directional boring or angle boring) and include a schematic of your design.

☒ Temporary Request - Requested Start Date: 8/7/24 Requested End Date: 8/7/25

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Mewbourne Oil Co.	Name:
Contact or Agent: H&R Enterprises, LLC/James Hawley — check here if Agent ☒	Contact or Agent: — check here if Agent ☐
Mailing Address: PO 3641	Mailing Address:
City: Hobbs	City:
State: NM Zip Code: 88241	State: Zip Code:
Phone: (575) 605-3471 ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): jhawley@h-r-enterprises.com	E-mail (optional):

OSE DIT AUG 12 2024 PM2:40

FOR OSE INTERNAL USE — Application for Permit, Form WR-07, Rev 07/10/2024

File No.: C-04869	Trn. No.: 765138	Receipt No.: 2-47190
Trans Description (optional):		
Sub-Basin: CUB	PCW/LOG Due Date: 8/14/25	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

■ NM State Plane (NAD83) (Feet)
☐ NM West Zone
■ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

☐ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-04869 POD1	-104.111629	32.296226	NENW S-20 T23S R28E	105	2"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ☐ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:

0.3 miles SW of the intersection of US 285 and London Rd.

Well is on land owned by: Rustler Hills II Limited Partner

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. **Attached?** ☐ Yes ■ No

Approximate depth to water (feet): Uknown	
Driller Name: James Hawley	Driller License Number: WD-1862

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

One 6" borehole will be advanced to determine the depth of groundwater at the Mewbourne White Snake 20 21 W2bc Fee #1H remediation site. The Borehole will be advanced until groundwater is reached or a maximum depth of 105' BGS, two inch casing will be installed into the borehole and left for 72 hours. After casing is gauged, it will be pulled and the borehole will be plugged pursuant to NMOSE guidelines. No pump will be installed.

OSE DII AUG 12 2024 PM2:43

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD1	Trn No.: 765138

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application

Exploratory*:	**Pollution Control and/or Recovery:**	**Construction De-Watering:**	**Mine De-Watering:**
Is proposed well a future public water supply well? ☐ Yes ☒ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☒ Include a description of any proposed pump test, if applicable.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring*: ☒ Include the reason for the monitoring well, and, ☒ The duration of the planned monitoring.		**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), James Hawley
Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER OSE DIT AUG 12 2024 PM2:43

This application is:

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 14th day of August 20 24, for the State Engineer,

, State Engineer

By: K. Parekh
Signature

KASHYAP PAREKH
Print

Title: WATER RESOURCE MANAGER I
Print

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD 1	Trn No.: 765138

Page 3 of 3

Received by OCD: 4/20/2026 10:57:46 AM

Form WR-23 S.f. STATE ENGINEER OFFICE 461652

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(Plat of 640 acres)

(A) Owner of well Albert Carter

Street and Number

City Carlsbad, N. Mex. State

Well was drilled under Permit No. C-851 and is located in the ¼ ¼ ¼ of Section Twp. Rge.

(B) Drilling Contractor W. D. Erininstool License No. wd 24

Street and Number 107 Russell

City Carlsbad, N. Mex. State

Drilling was commenced Sept 19 58

Drilling was completed Sept 1958

Elevation at top of casing in feet above sea level Total depth of well 200

State whether well is shallow or artesian shallow Depth to water upon completion 50ft

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	20	30	10	Gray sand
2	97	105	8	yellow cong.
3	107	130	13	red sand
4	188	200	12	yellow cong.
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
12	42	welded	0	94	94	none		
65/8	20	welded	0	187	187	collar		

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

STATE ENGINEER OFFICE SANTA FE, N. M. 1958 DEC -1 AM 9:25

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received 9-29

FILED SEP 30 1958 OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO

File No. C-851 Use Dom. Location No. 23.28.17.300

Released to Imaging: 5/22/2026 8:29:06 AM

C 851

Received by OCD: 4/20/2026 10:57:46 AM

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	20	20	red	clay
20	30	10	gray	sand
30	88	58	red	clay
88	105	17	yellow	cong
105	116	11	red	Clay
116	117	1	red	sand rock
117	130	13	red	Sand
130	188	58	red	clay
188	200	12	yellow	cong

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

W R Bainbridge

Well Driller

Released to Imaging: 5/22/2026 8:29:06 AM

An official website of the United States government Here's how you know

MENU

Monitoring location

23S.28E.20.144444 - USGS-321727104062301

DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about centralized water data delivery in WDFN.

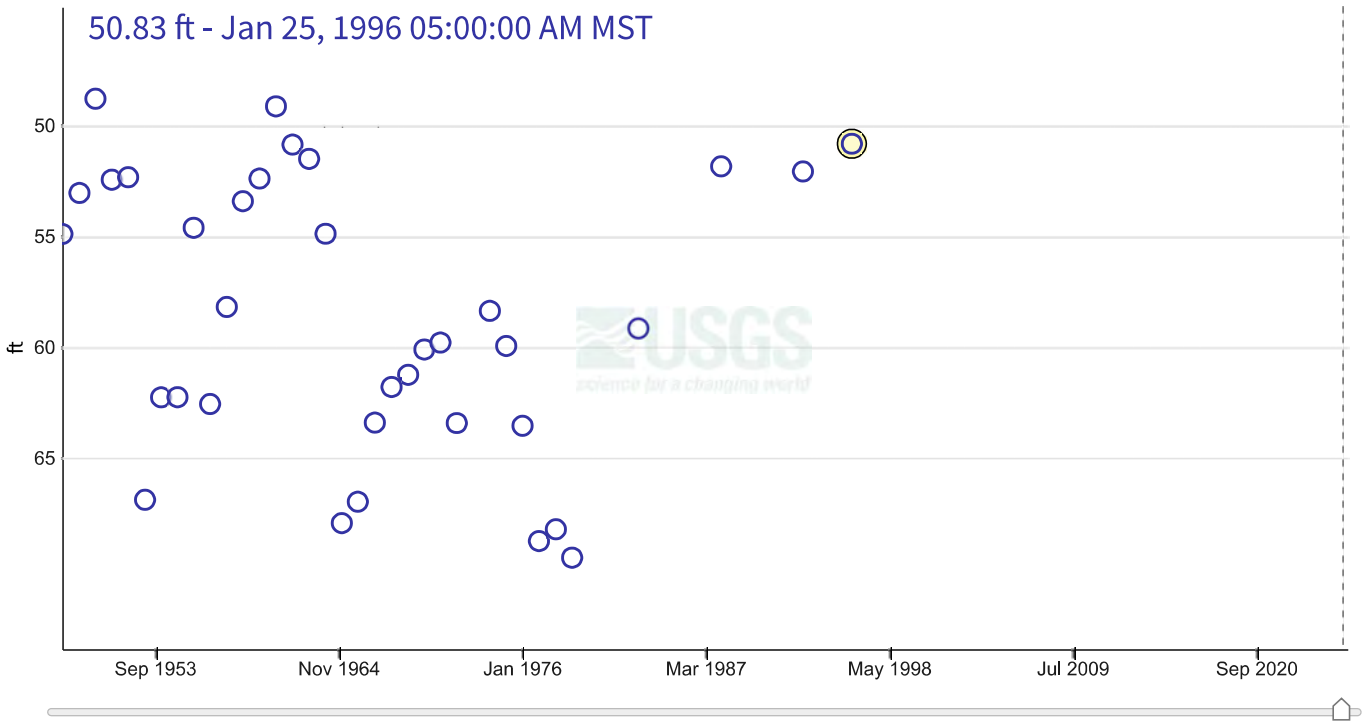
1 year 10 years Period of record Scale Linear Log

Field measurements

23S.28E.20.144444 - USGS-321727104062301

January 13, 1948 - March 24, 2026

Depth to water level, feet below land surface



IMPORTANT Data may be provisional

Show legend

Hide graph details

	Value	Status	
Selected field measurement	50.83	Approved Static	Jan 25, 1996 05:00:00 AM MST

Hide graph details

Change time span | Questions or Comments | View data records

Available data

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

Continuous data

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1948-01-13 to 1996-01-25

Hide these data types

Field measurements are physically measured values collected during a visit to the monitoring location.

Learn about Field measurements

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1948-01-13 1996-01-25
Graph it	Groundwater level above NAVD 1988, feet	1948-01-13 1996-01-25
Graph it	Groundwater level above NGVD 1929, feet	1948-01-13 1996-01-25

Hide these data types

Discrete sample data

0 observed properties (data types) available

Statistical tables for select daily data types

0 data types available

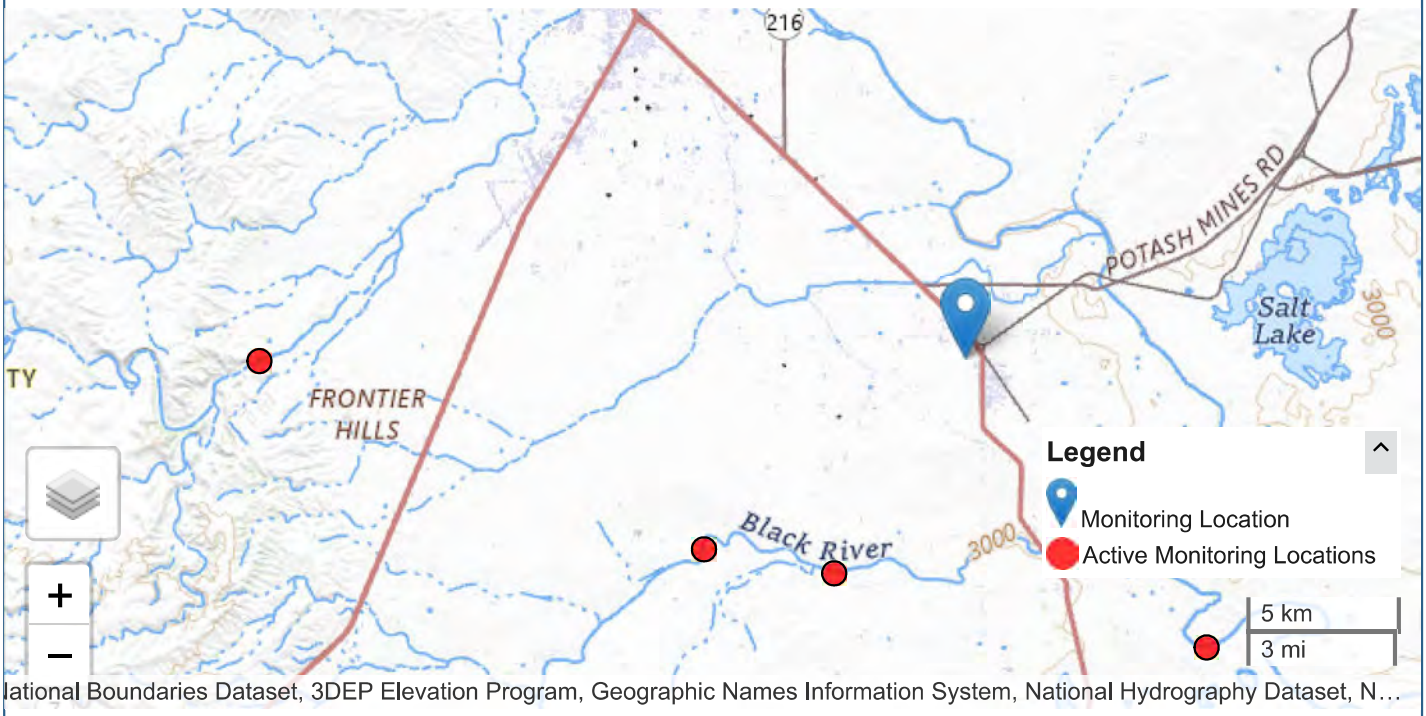
Location details and information

Show location details

Monitoring locations with continuous data in last 120 days

5 locations found

View these locations in My Favorites
Use Explore USGS Water Data to discover additional data near this location



Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

DOI Privacy Policy | Legal | Accessibility | Site Map | Contact USGS Follow

U.S. Department of the Interior | DOI Inspector General | White House | No Fear Act | FOIA

An official website of the United States government Here's how you know

MENU

Monitoring location

23S.28E.17.33333 - USGS-321753104065201

DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about centralized water data delivery in WDFN.

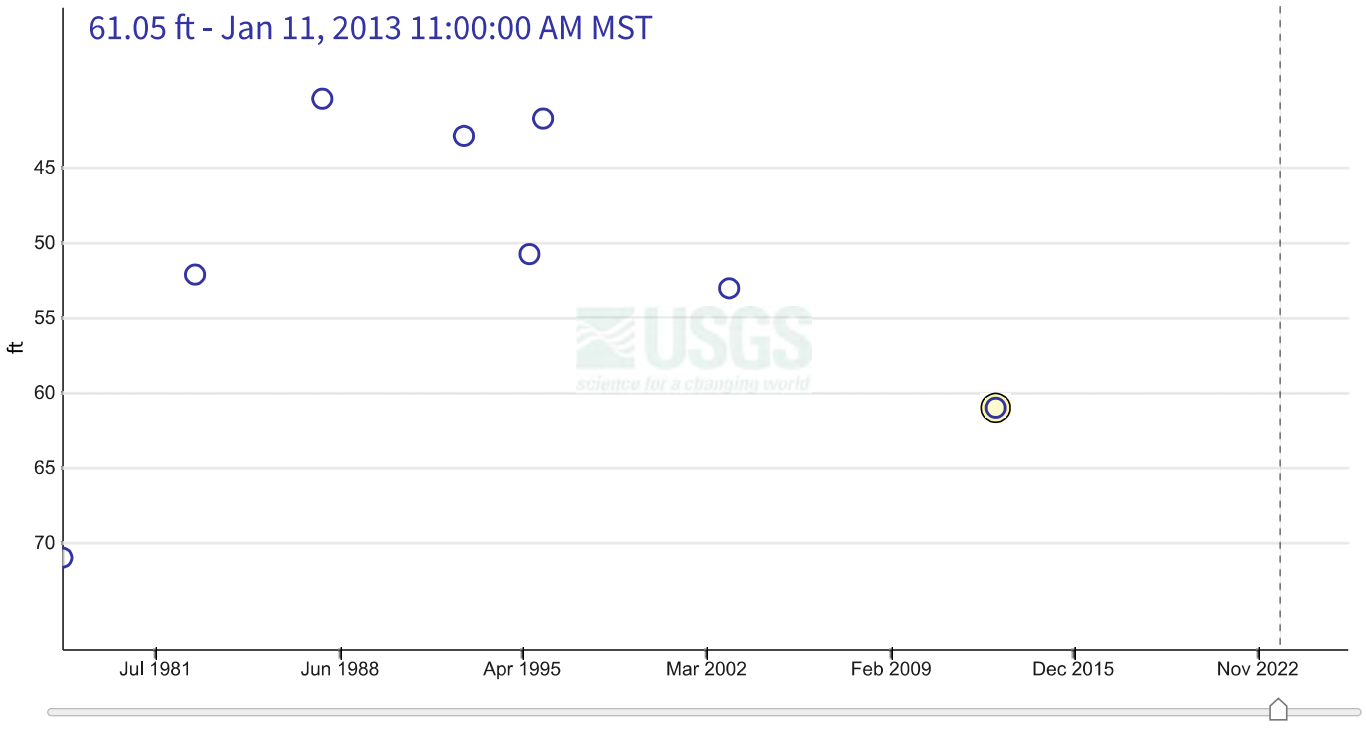
1 year 10 years Period of record Scale Linear Log

Field measurements

23S.28E.17.33333 - USGS-321753104065201

January 12, 1978 - March 24, 2026

Depth to water level, feet below land surface



IMPORTANT Data may be provisional

Show legend

Hide graph details

	Value	Status	
Selected field measurement	61.05	Approved Static	Jan 11, 2013 11:00:00 AM MST

Hide graph details

Change time span | Download data | View data records

Available data

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

Continuous data

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1978-01-12 to 2013-01-11

Hide these data types

Questions or Comments

Field measurements are physically measured values collected during a visit to the monitoring location.

Learn about Field measurements

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1978-01-12 2013-01-11
Graph it	Groundwater level above NAVD 1988, feet	1978-01-12 2013-01-11
Graph it	Groundwater level above NGVD 1929, feet	1978-01-12 2013-01-11

Hide these data types

Discrete sample data

0 observed properties (data types) available

Statistical tables for select daily data types

0 data types available

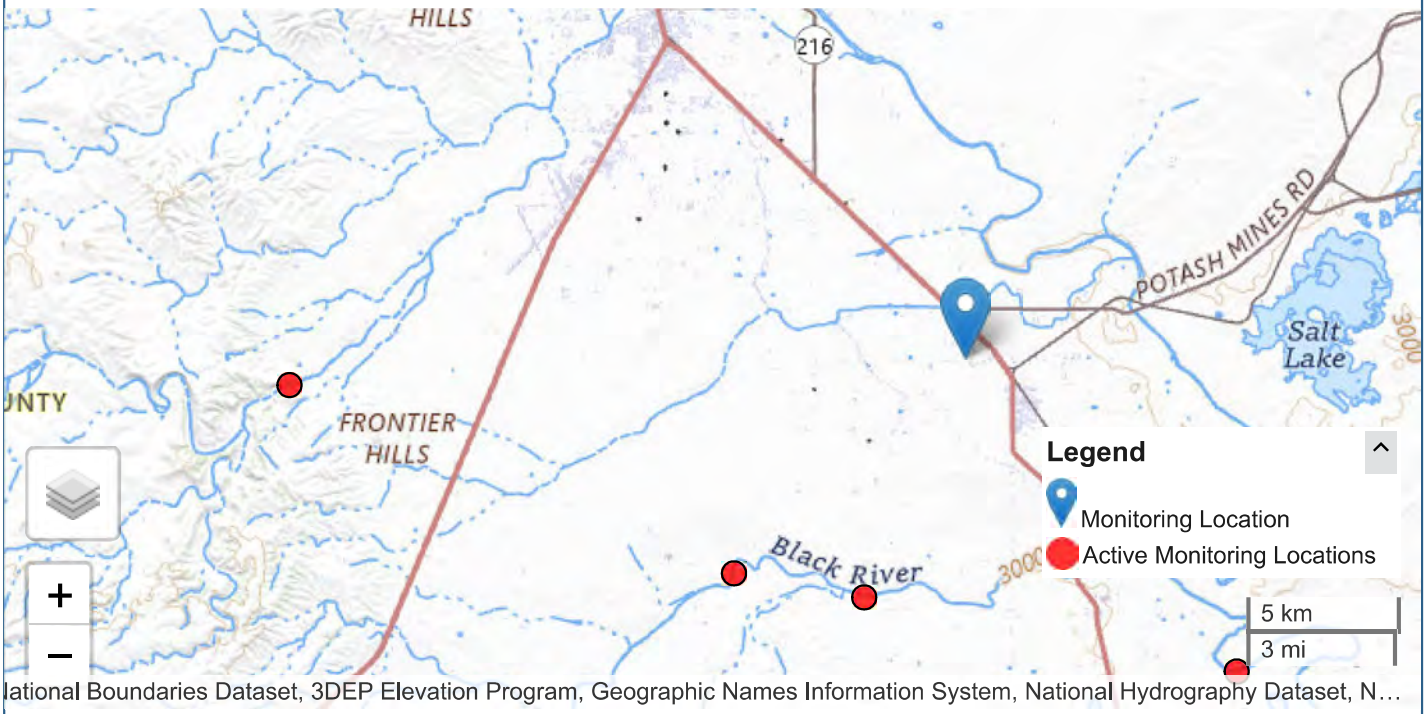
Location details and information

Show location details

Monitoring locations with continuous data in last 120 days

5 locations found

View these locations in My Favorites
Use Explore USGS Water Data to discover additional data near this location



Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-04869

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Mewbourne Oil Co.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
4801 Business Park Blvd.	Hobbs	NM	88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	17	48.42	N
	LONGITUDE	-104	06	41.57	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SENE S-2 T19S R28E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8/21/24	8/21/24	30	30	22

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 22

DATE STATIC MEASURED: 8/28/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A no casing left in hole		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	1	1	white caliche	Y ✓N	
1	20	19	light brown silty clay	Y ✓N	
20	30	10	dark brown silty clay with some small gravel	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: N/A

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Well was drilled on 8/21/24, water was encountered so drilling was ceased, well was gauged with a well sounder on 8/28/24, static water level was 22' BGS, casing was pulled and well was plugged in accordance with the approved plugging plan.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

James Hawley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9/4/24 — DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 765138
File Nbr: C 04869

Aug. 14, 2024

JAMES HAWLEY
MEWBOURNE OIL CO.
P.O. BOX 3641
HOBBS, NM 88241

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Rodolfo Chavez

Rodolfo Chavez
(575)622-6521

Enclosure

explore

File No. C-04869 POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐ Construction Site/Public Works Dewatering	☒ Other(Describe): groundwater determination
☐ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Check here if the borehole is anything other than vertifical (directional boring or angle boring) and include a schematic of your design.

☒ Temporary Request - Requested Start Date: 8/7/24 Requested End Date: 8/7/25

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Mewbourne Oil Co.	Name:
Contact or Agent: H&R Enterprises, LLC/James Hawley — check here if Agent ☒	Contact or Agent: — check here if Agent ☐
Mailing Address: PO 3641	Mailing Address:
City: Hobbs	City:
State: NM Zip Code: 88241	State: Zip Code:
Phone: (575) 605-3471 ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): jhawley@h-r-enterprises.com	E-mail (optional):

OSE DII AUG 12 2024 PM2:40

FOR OSE INTERNAL USE — Application for Permit, Form WR-07, Rev 07/10/2024

File No.: C-04869	Trn. No.: 765138	Receipt No.: 2-47190
Trans Description (optional):		
Sub-Basin: CUB	PCW/LOG Due Date: 8/14/25	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

■ NM State Plane (NAD83) (Feet)
☐ NM West Zone
■ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

☐ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-04869 POD1	-104.111629	32.296226	NENW S-20 T23S R28E	105	2"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ☐ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:

0.3 miles SW of the intersection of US 285 and London Rd.

Well is on land owned by: Rustler Hills II Limited Partner

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. **Attached?** ☐ Yes ■ No

Approximate depth to water (feet): Uknown	
Driller Name: James Hawley	Driller License Number: WD-1862

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

One 6" borehole will be advanced to determine the depth of groundwater at the Mewbourne White Snake 20 21 W2bc Fee #1H remediation site. The Borehole will be advanced until groundwater is reached or a maximum depth of 105' BGS, two inch casing will be installed into the borehole and left for 72 hours. After casing is gauged, it will be pulled and the borehole will be plugged pursuant to NMOSE guidelines. No pump will be installed.

OSE DII AUG 12 2024 PM2:43

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD1	Trn No.: 765138

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application.

Exploratory*: Is proposed well a future public water supply well? ☐ Yes ☒ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☒ Include a description of any proposed pump test, if applicable.	**Pollution Control and/or Recovery:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	**Construction De-Watering:** ☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of. **Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	**Mine De-Watering:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring*: ☒ Include the reason for the monitoring well, and, ☒ The duration of the planned monitoring.			

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), James Hawley
Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

OSE DIT AUG 12 2024 PM2:43

This application is:

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 14th day of August 20 24, for the State Engineer,

, State Engineer

By: K. Parekh
Signature

KASHYAP PAREKH
Print

Title: WATER RESOURCE MANAGER I
Print

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD 1 Trn No.: 765138

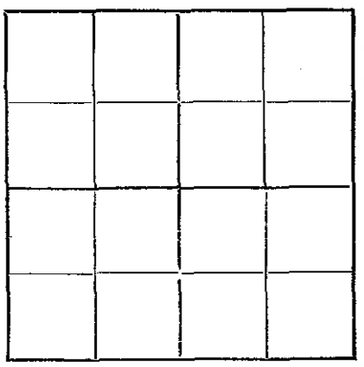
Received by OCD: 4/20/2026 10:57:46 AM

Form WR-23 S.f. STATE ENGINEER OFFICE 461652

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Albert Carter

Street and Number

City Carlsbad, N. Mex. State

Well was drilled under Permit No. C-851 and is located in the

¼ ¼ ¼ of Section Twp. Rge.

(B) Drilling Contractor W. D. Erininstool License No. wd 24

Street and Number 107 Russell

City Carlsbad, N. Mex. State

Drilling was commenced Sept 19 58

Drilling was completed Sept 1958

Elevation at top of casing in feet above sea level Total depth of well 200

State whether well is shallow or artesian shallow Depth to water upon completion 50ft

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	20	30	10	Gray sand
2	97	105	8	yellow cong.
3	117	130	13	red sand
4	188	200	12	yellow cong.
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
12	42	welded	0	94	94	none		
65/8	20	welded	0	187	187	collar		

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used

STATE ENGINEER OFFICE SANTA FE, N. M. 1958 DEC -1 AM 9:25

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.

Street and Number City State

Tons of Clay used Tons of Roughage used Type of roughage

Plugging method used Date Plugged 19

Plugging approved by:

Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received 9-29

FILED SEP 30 1958 OFFICE GROUND WATER SUPERVISOR ROSWELL, NEW MEXICO

File No. C-851 Use Dom. Location No. 23.28.17.300

Released to Imaging: 5/22/2026 8:29:06 AM

C 851

Received by OCD: 4/20/2026 10:57:46 AM

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	20	20	red	clay
20	30	10	gray	sand
30	88	58	red	clay
88	105	17	yellow	cong
105	116	11	red	Clay
116	117	1	red	sand rock
117	130	13	red	Sand
130	188	58	red	clay
188	200	12	yellow	cong

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

W R Bainbridge

Well Driller

Released to Imaging: 5/22/2026 8:29:06 AM

An official website of the United States government Here's how you know

MENU

Monitoring location

23S.28E.20.144444 - USGS-321727104062301

DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about centralized water data delivery in WDFN.

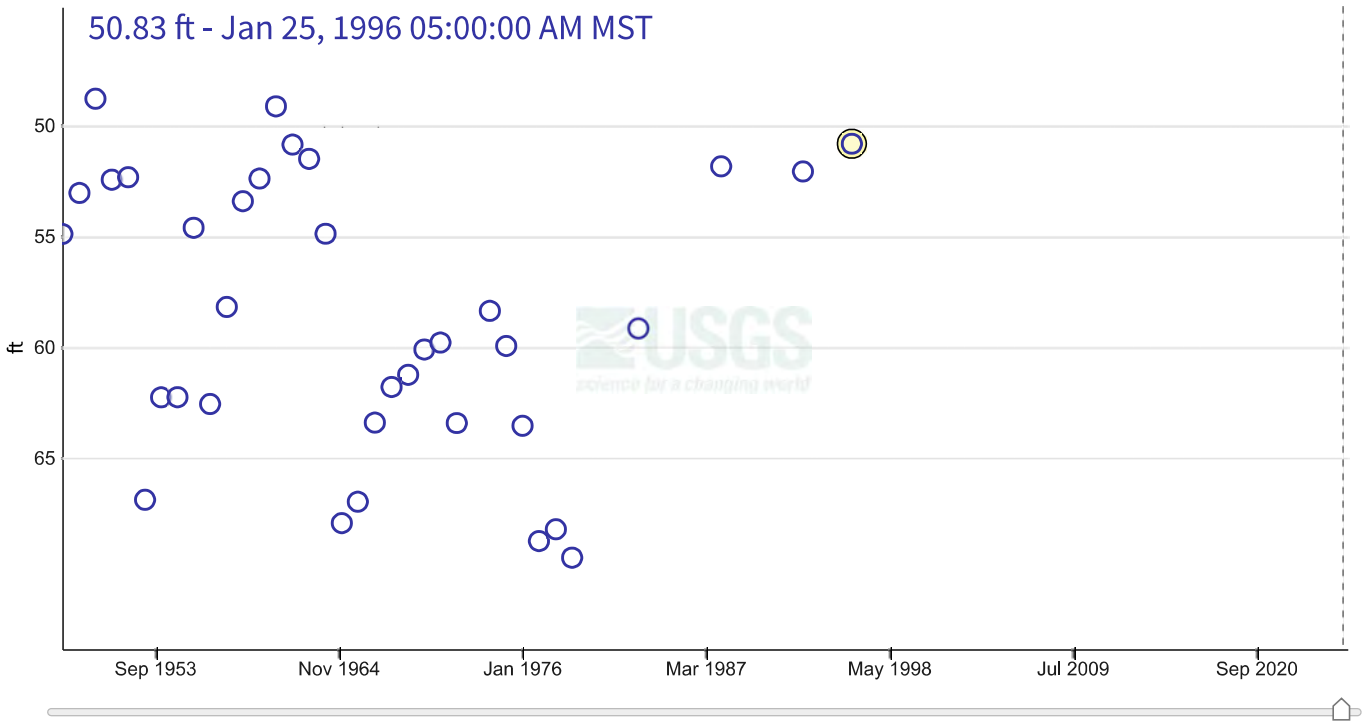
1 year 10 years Period of record Scale Linear Log

Field measurements

23S.28E.20.144444 - USGS-321727104062301

January 13, 1948 - March 24, 2026

Depth to water level, feet below land surface



IMPORTANT Data may be provisional

Show legend

Hide graph details

	Value	Status	
Selected field measurement	50.83	Approved Static	Jan 25, 1996 05:00:00 AM MST

Hide graph details

Change time span | Questions or Comments | View data records

Available data

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

Continuous data

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1948-01-13 to 1996-01-25

Hide these data types

Field measurements are physically measured values collected during a visit to the monitoring location.

Learn about Field measurements

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1948-01-13 1996-01-25
Graph it	Groundwater level above NAVD 1988, feet	1948-01-13 1996-01-25
Graph it	Groundwater level above NGVD 1929, feet	1948-01-13 1996-01-25

Hide these data types

Discrete sample data

0 observed properties (data types) available

Statistical tables for select daily data types

0 data types available

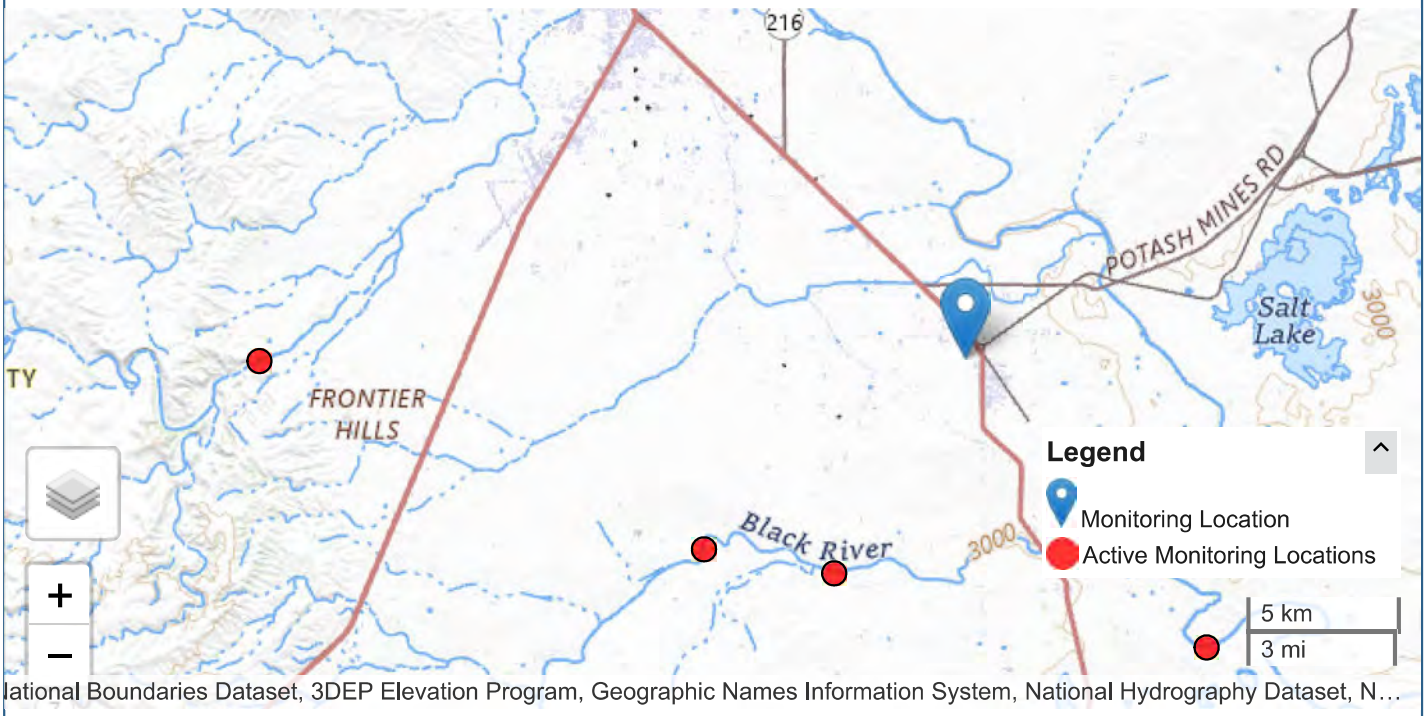
Location details and information

Show location details

Monitoring locations with continuous data in last 120 days

5 locations found

View these locations in My Favorites
Use Explore USGS Water Data to discover additional data near this location



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An official website of the United States government Here's how you know

MENU

Monitoring location

23S.28E.17.33333 - USGS-321753104065201

DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about centralized water data delivery in WDFN.

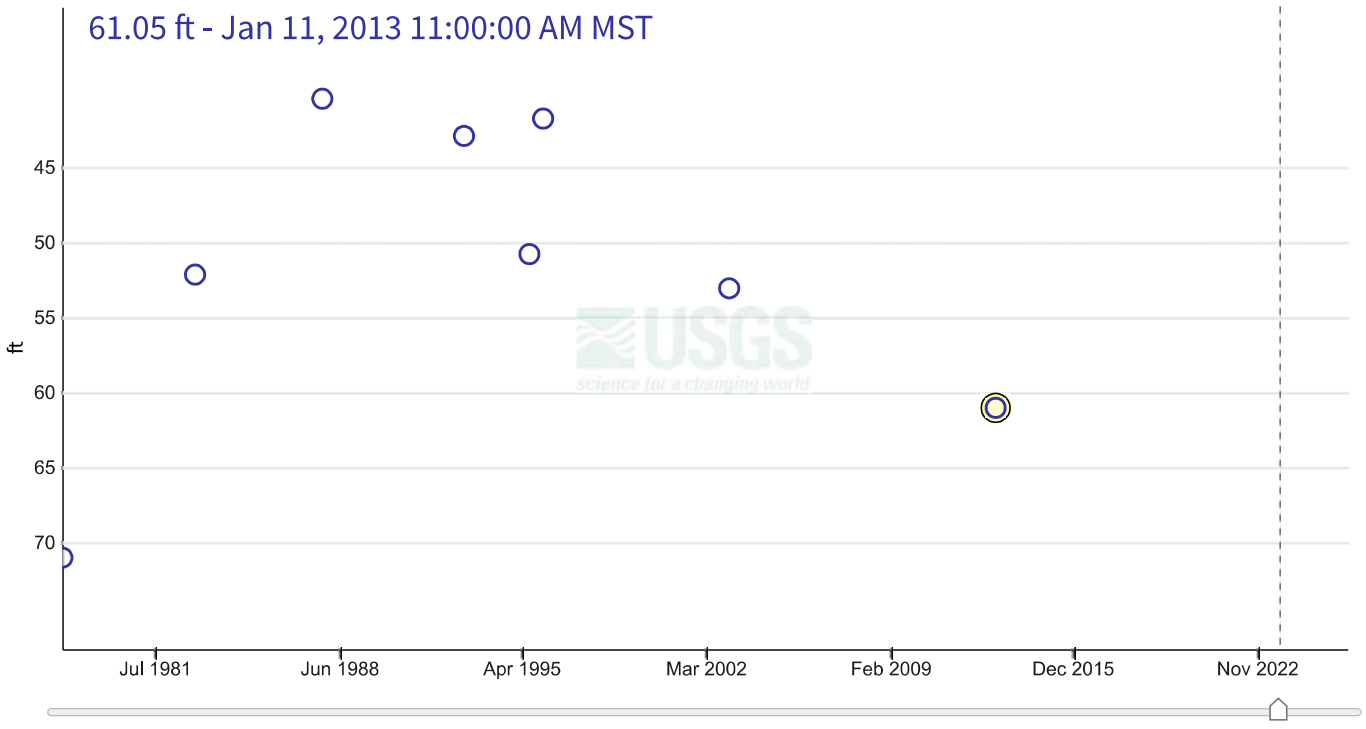
1 year 10 years Period of record Scale Linear Log

Field measurements

23S.28E.17.33333 - USGS-321753104065201

January 12, 1978 - March 24, 2026

Depth to water level, feet below land surface



IMPORTANT Data may be provisional

Show legend

Hide graph details

	Value	Status	
Selected field measurement	61.05	Approved Static	Jan 11, 2013 11:00:00 AM MST

Hide graph details

Change time span | Download data | View data records

Available data

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

Continuous data

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1978-01-12 to 2013-01-11

Hide these data types

Questions or Comments

Field measurements are physically measured values collected during a visit to the monitoring location.

Learn about Field measurements

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1978-01-12 2013-01-11
Graph it	Groundwater level above NAVD 1988, feet	1978-01-12 2013-01-11
Graph it	Groundwater level above NGVD 1929, feet	1978-01-12 2013-01-11

Hide these data types

Discrete sample data

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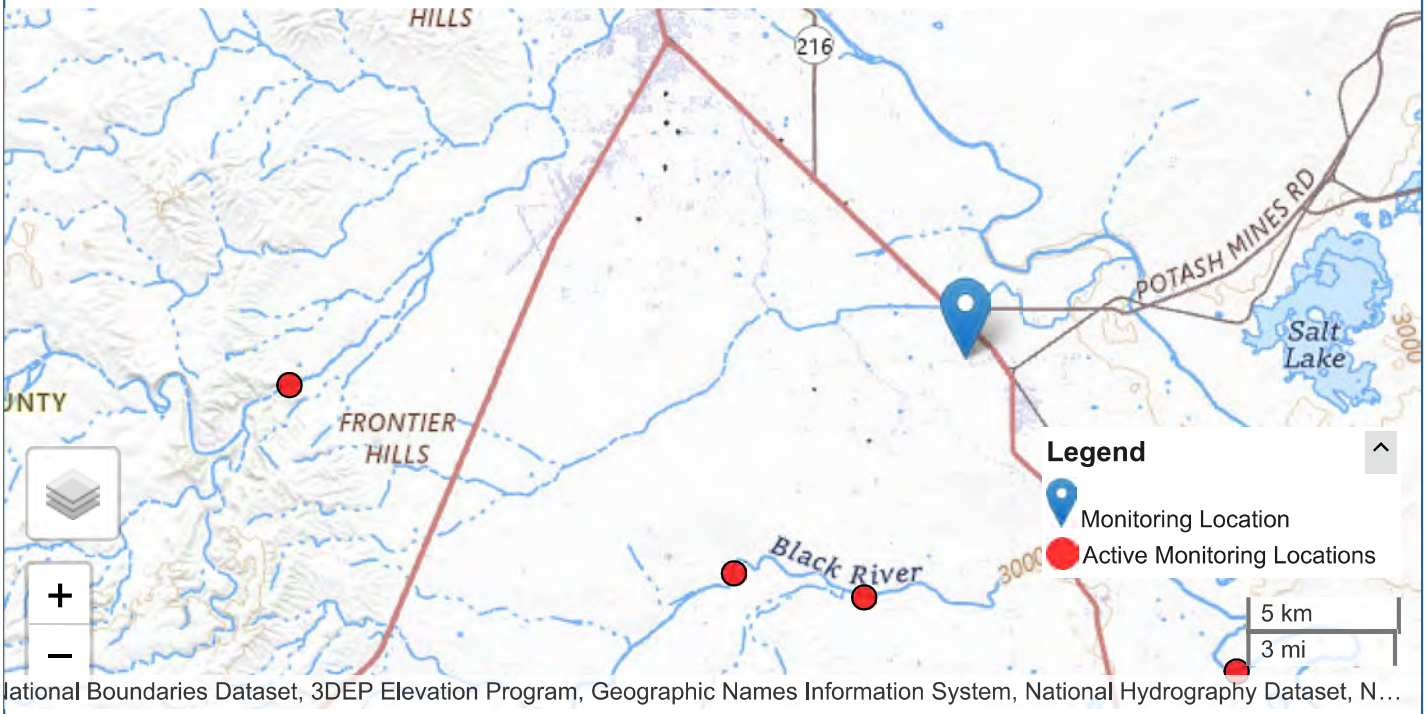

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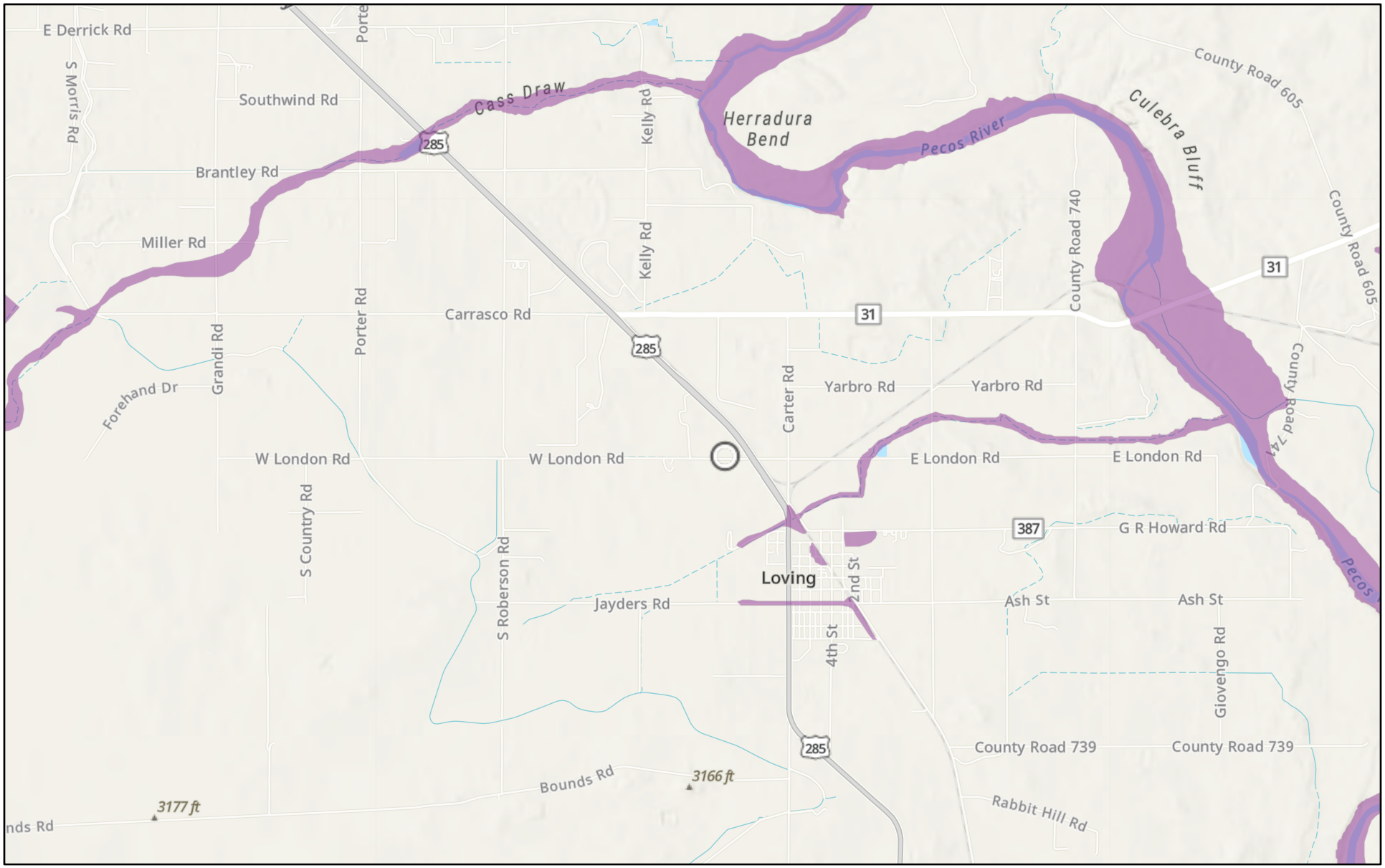
CIGARILLO PW SYSTEM ROW (11.03.2018)



3/24/2026

USA Flood Hazard Areas

1% Annual Chance Flood Hazard

World_Hillshade

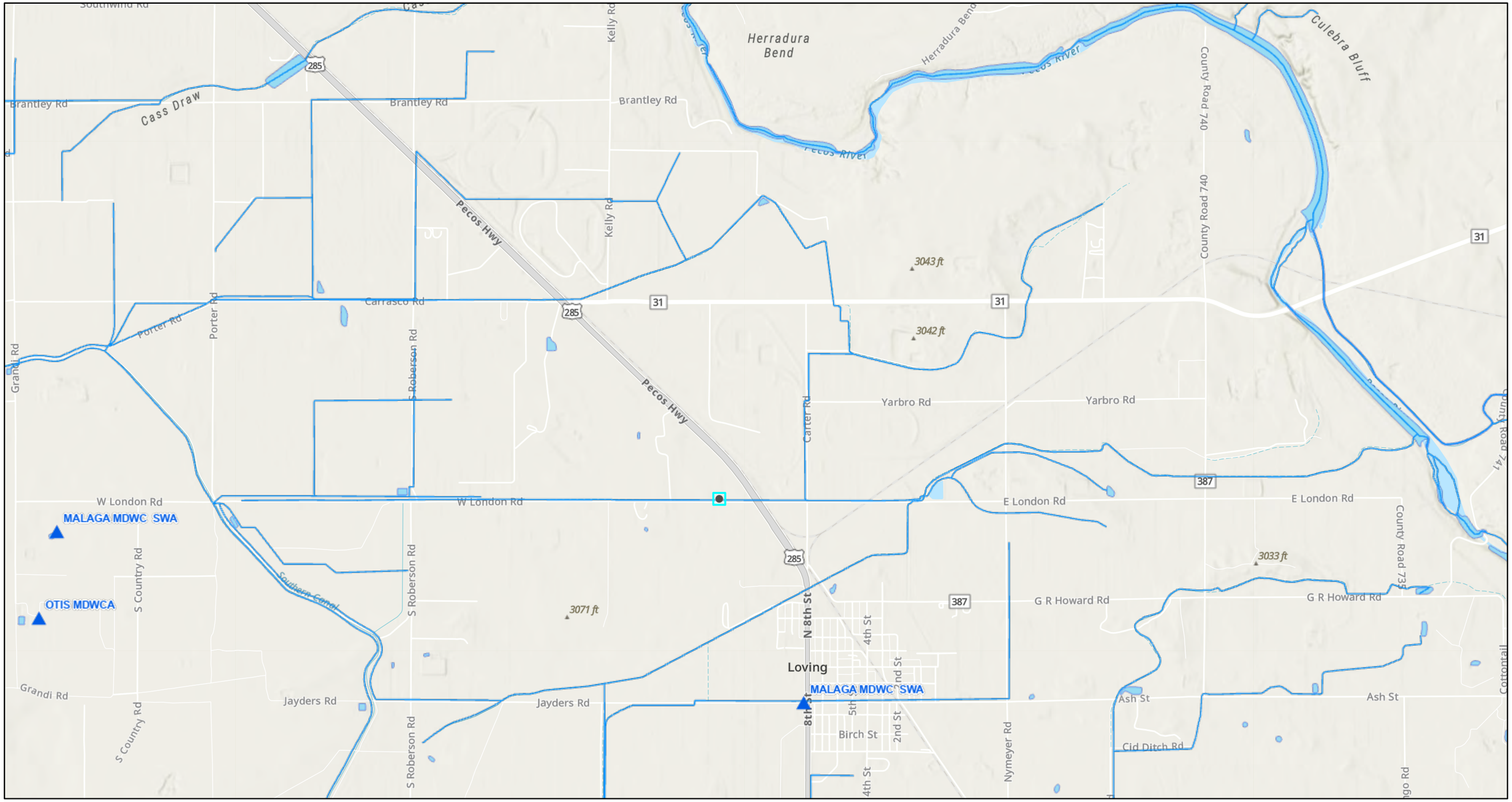
1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Source: FEMA, Esri, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Esri, NASA,

CIGARILLO PW SYSTEM ROW (11.03.2018)



3/24/2026, 11:51:33 AM

OSW Water Bodys

OSE Streams

NMED Drinking Water Systems

1:36,112

0 0.38 0.75 1.5 mi

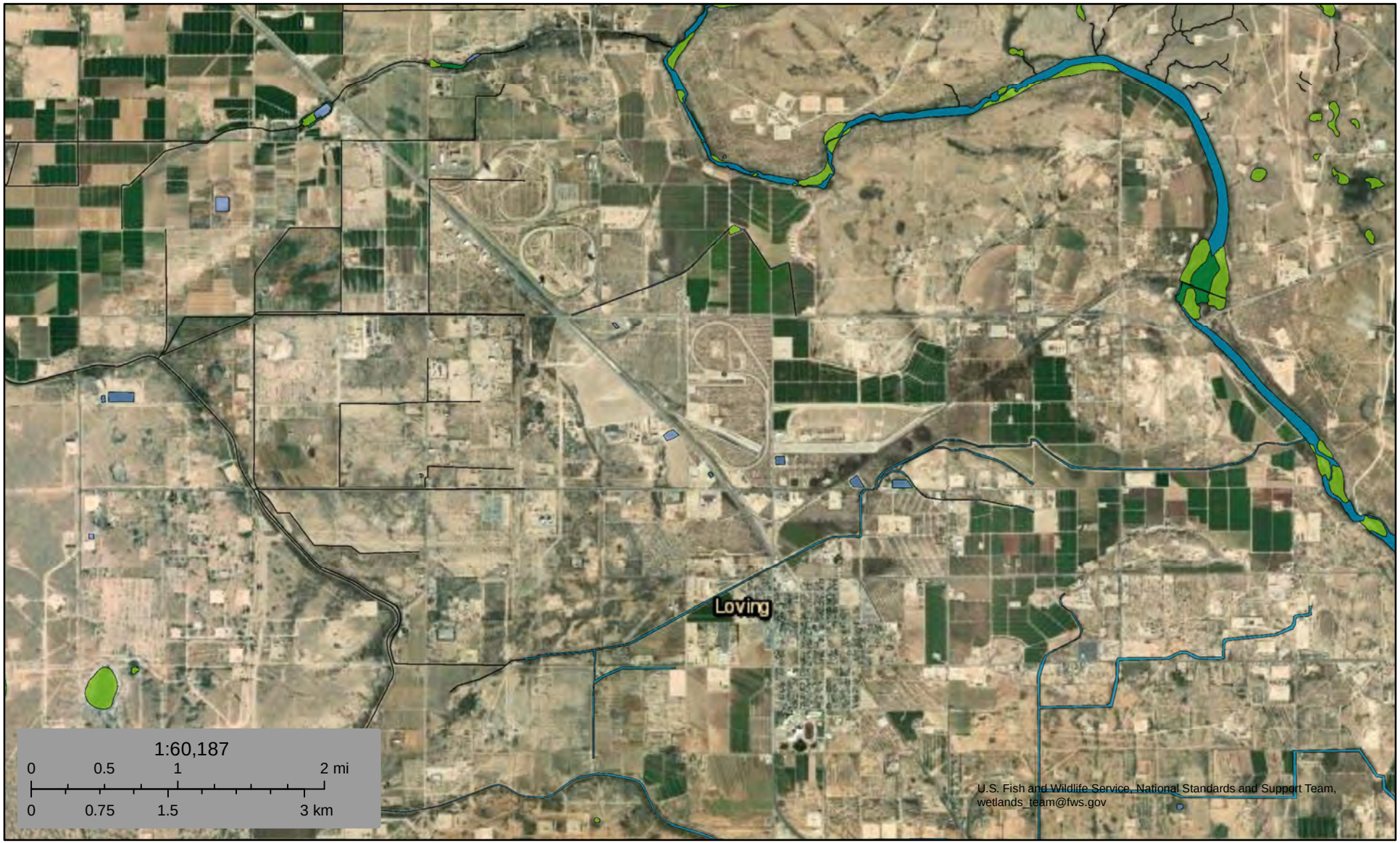
0 0.5 1 2 km

NM OSE, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, NASA, NGA, USGS, FEMA

Received by OCD: 4/20/2026 10:57:46 AM

U.S. Fish and Wildlife Service
National Wetlands Inventory

CIGARILLO PW SYSTEM ROW (11.03.20



March 24, 2026

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

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KARST SURVEY OF THE PROPOSED CIGARILLO SWD RELEASE REMEDIATION EDDY COUNTY, NEW MEXICO

SECTION 17; TOWNSHIP 23S; RANGE 28E

INCIDENT NUMBER: NAB1834536769

Report Prepared for:
New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

On Behalf of:

EOG Resources Inc.
5509 Champions Drive
Midland, Texas 79706

Report Prepared by:

Goshawk Environmental Consulting, Inc.
P.O. Box 735
Buda, Texas 78610

April 2026

GOSHAWK ENVIRONMENTAL CONSULTING, INC.

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Released to Imaging: 5/22/2026 8:29:06 AM

1.0 BACKGROUND

EOG Resources Inc. (EOG) is requesting permission to remediate an approximately 2.66-acre release (proposed remediation).

The proposed remediation would be within gypsum karst terrain, a landform characterized by underground drainage through solutionally enlarged conduits. Gypsum karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes that lead to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers in the region.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) as areas with low, medium, high, or critical karst potential occurrence zones. These zones are based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers. The proposed remediation occurs in a medium karst potential occurrence zone (Figure 1), on privately-owned land (Figure 2).

Medium karst potential occurrence zones contain known soluble rocks within 300 feet of the surface with shallow insoluble overburden or soils that could mask surface features. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff.

2.0 METHODOLOGY

Goshawk Environmental Consulting, Inc. (Goshawk) conducted a karst survey of the proposed remediation, which included a resource review, field investigation, and report of findings. The resource review was performed prior to the field investigation to gather site-specific information and evaluate the potential for karst features within the proposed remediation. The field investigation included an extensive search for karst features, with special attention given to areas identified in the resource review as potential karst areas. Additionally, former land use practices and modifications were evaluated.

The karst survey was performed in accordance with BLM CFO Karst Survey Requirements and the New Mexico State Land Office (NMSLO) Compliance Standards Document. Utilizing GIS software, a 200-meter karst survey corridor was placed around unsurveyed portions of the proposed remediation. The resultant survey area covered 7.8 acres. The surveyors walked the survey area systematically, attempting to maintain survey transects spaced no farther than 25 meters apart. Maintaining transects at 25-meter intervals was not always possible due to vegetation and other surface restrictions. Goshawk utilized handheld Garmin eTrex 20 GPS units to record possible karst features located during the field investigation, as well as to record the surveyors' tracks. Digital photographs of the survey area were taken to document current conditions.

2.1 Resource Review

The resource review included inspection of the US Geological Survey (USGS) Loving, New Mexico topographic quadrangle; Federal Emergency Management Administration (FEMA) National Flood

Hazard Data; Geologic Map of New Mexico; Natural Resources Conservation Service (NRCS) Soil Survey Geographic (SSURGO) database; and recent aerial orthoimagery.

2.1.1 USGS Topographic Map

The USGS topographic quadrangle (Figure 3) indicates the proposed remediation is on relatively flat terrain. Mapped elevations range from approximately 3,040 to 3,050 feet above mean sea level. The topographic map indicates the karst survey area is within grassland (white background). One improved road is mapped directly south of the release area. There are no mapped water features indicated within the karst survey area. The proposed remediation is drained by overland sheet flow generally toward the northeast. The town of Loving, New Mexico, is mapped 0.3 miles southeast of the release area. There are no features on the topographic map that would suggest potential karst within the survey area.

2.1.2 FEMA National Flood Hazard Data

The FEMA National Flood Hazard data indicates the karst survey area is within Zone X, which is defined as areas outside special flood hazard area (Figure 4). The nearest floodplain is approximately 3,168 feet south of the proposed remediation.

2.1.3 Geologic Map of New Mexico

The geologic map (Figure 5) indicates the survey area is underlain by the Alluvium (Qa). Alluvial deposits are associated with higher gradient tributaries that border major stream valleys, alluvium from piedmont slopes, and alluvial fans. Alluvium deposits were formed on the flood plains of the modern streams. Alluvium deposits consist of fine-grained limestone gravel and buff silt (King 1948). Karst features are not uncommon within the alluvium formation but may not exhibit surface indications. Though it is not uncommon for any of the geologic formations of the area to exhibit karst features, the Geologic Map of New Mexico does not provide specific evidence that karst features may exist within the survey area.

2.1.4 Soils Map

The NRCS SSURGO spatial data (Figure 6) indicates the soil map units underlying the survey area are Karro loam (Kr/Kv). The Karro series consists of very deep, well drained soils formed in mixed fan alluvium. Kv represents saline Karro loam with 0 to 1 percent slopes, and Kr represents shallow Karro loam with 0-1 percent slopes (United States Department of Agriculture). These soils are not listed as hydric soils; however, they are considered farmland of statewide importance. The soil map units do not provide specific evidence of karst features within the survey area.

2.1.5 Aerial Orthoimagery

The aerial orthoimagery (Figure 7) indicates the survey area is within heavily disturbed cropland, and the surrounding areas consist of private lands either undeveloped or used for industrial purposes. The release occurred at a filling station site, adjacent to a tilled plot of land where the majority of the survey took place. There is no evidence on the aerial orthoimagery that would suggest potential karst features within the survey area.

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2.2 FIELD INVESTIGATION

Goshawk conducted the field investigation on 2 April 2026 within the karst survey area. The field investigation was conducted on foot by Steven R. Evans (Surveyor 1), Nicole Pavlock (Surveyor 2). The GPS tracks for the karst surveyors are indicated in Figure 8.

Terrain within the survey area was flat (Photo 1). Land use of the surrounding area ranged from industrial, commercial, to agricultural use. Surveyable areas that were not obstructed by vehicular traffic or industrial use were limited. The survey area occurred on the cropland west of the release area. A concrete drainage separating the release from the survey area likely precluded any contamination of the adjacent crop field.

The vegetative coverage was less than 20 percent of the survey area, with good visibility of the ground surface. Vegetative species noted within the survey area included Iodinebush, salt cedar, fourwing saltbush, and willow baccharis (Photo 2). No potential karst features were observed within the survey area during the field investigation; however, subsurface voids not visible on the surface may still exist.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Although unidentified subsurface karst features within the survey area are possible, no obvious potential karst features were identified during an extensive survey of the area. Goshawk recommends construction be allowed to proceed as planned. Typical Conditions of Approval should be implemented for the proposed remediation.

REFERENCES

New Mexico Bureau of Geology and Mineral Resources

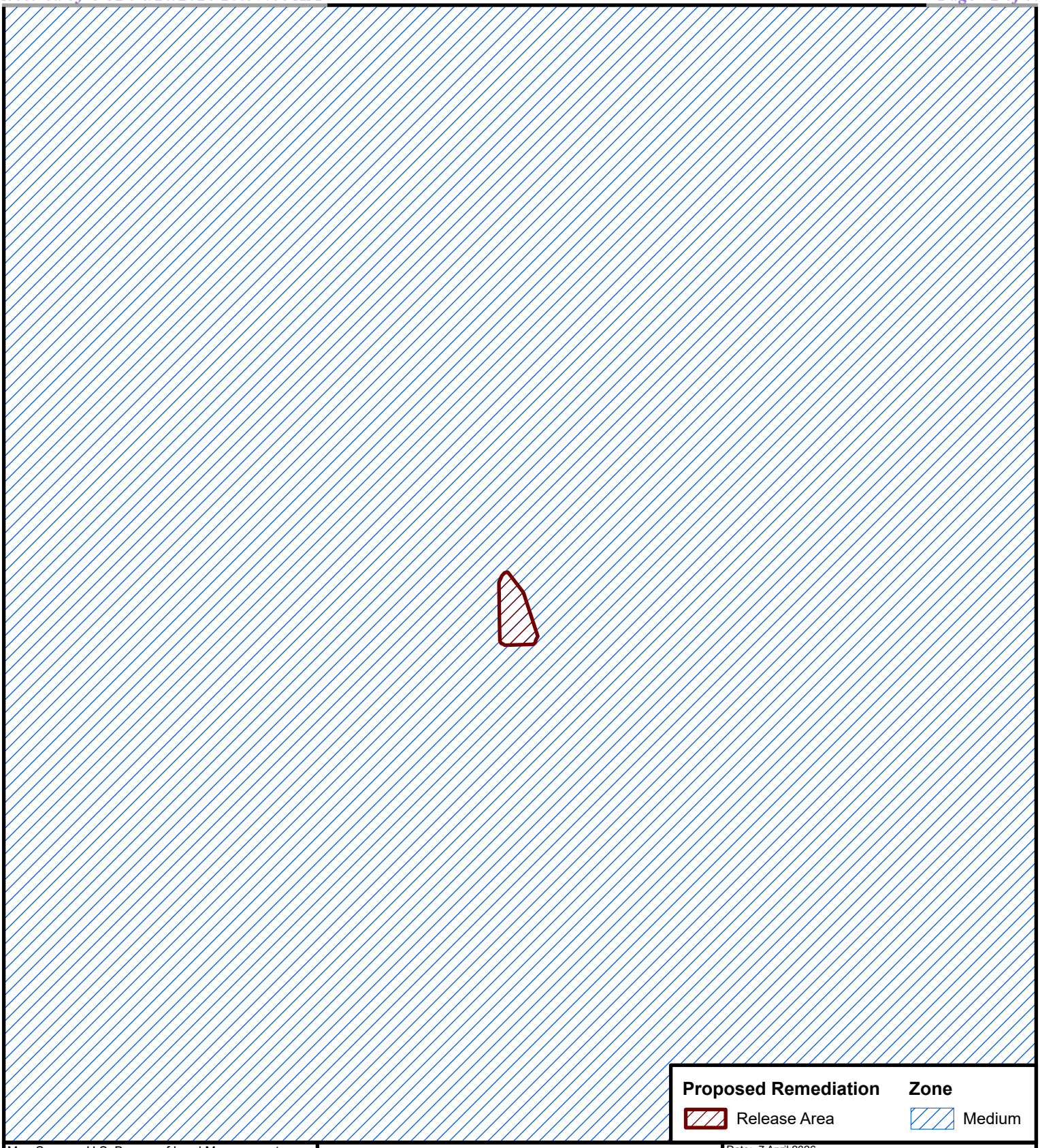
2003 Geologic Map of New Mexico, Scale 1:500,000.

US Department of Agriculture

2007 Electronic document, https://soilseries.sc.egov.usda.gov/osdname.aspx, accessed 7 April 2026.

APPENDIX A

FIGURES



Map Source: U.S. Bureau of Land Management - New Mexico State Office - GIS Data Download.

0 500 1,000 Feet

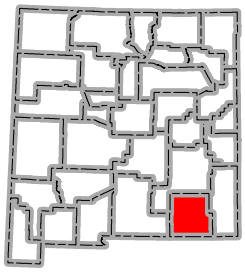
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 1
Kart Potential Occurrence Zones
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 7 April 2026



N

Proposed Remediation

Release Area

Surface Ownership

Private

Map Source: U.S. Bureau of Land Management - New Mexico State Office - GIS Data Download.

0 500 1,000 Feet

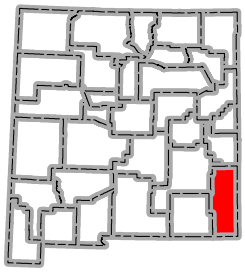
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 2
Surface Ownership
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 7 April 2026



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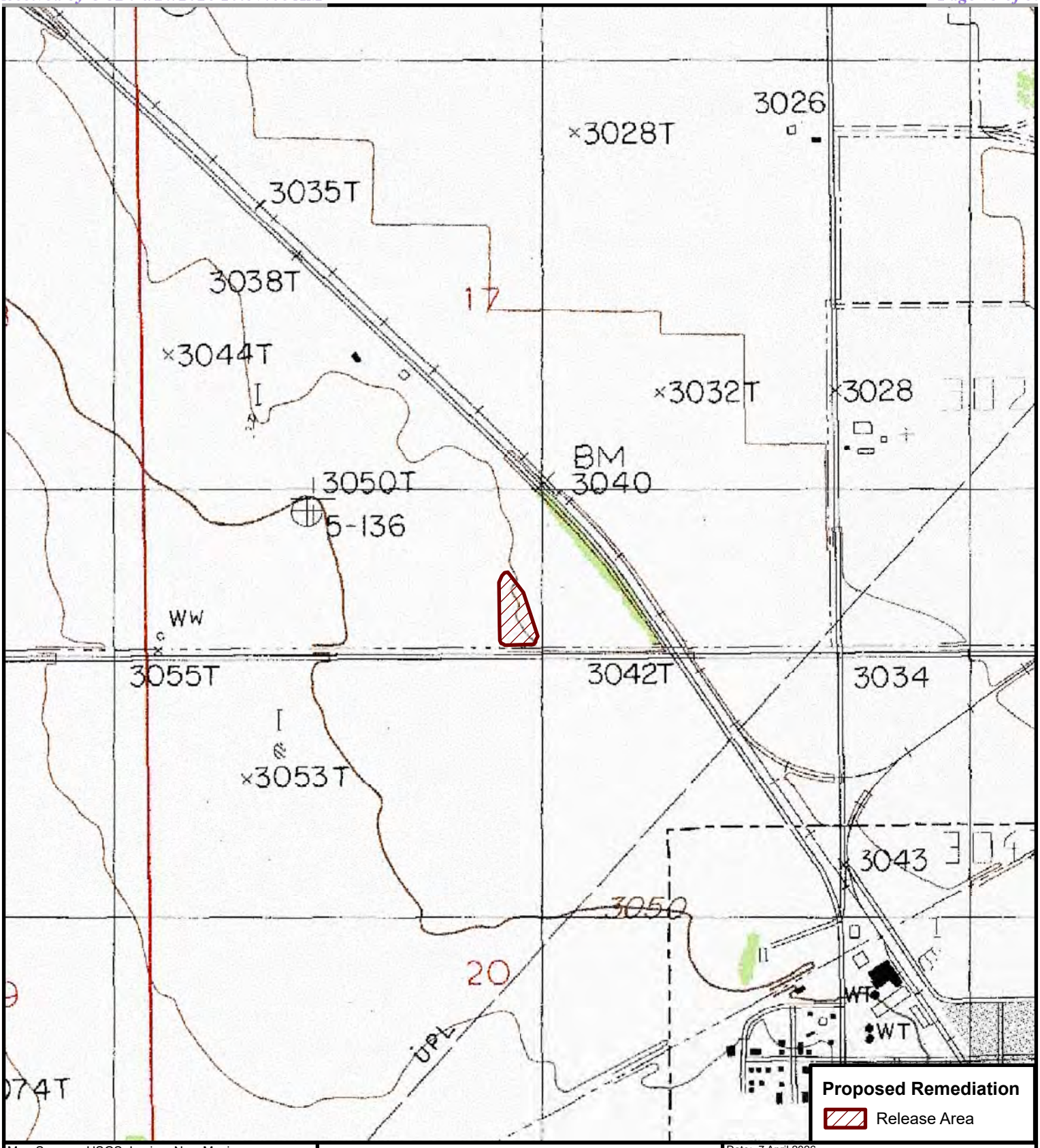


Map Source: USGS, Loving, New Mexico Quadrangle.

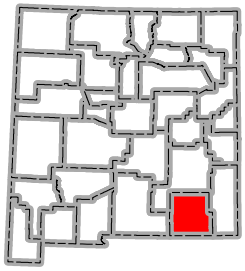
0 500 1,000 Feet

Figure 3
USGS Topographic
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 7 April 2026



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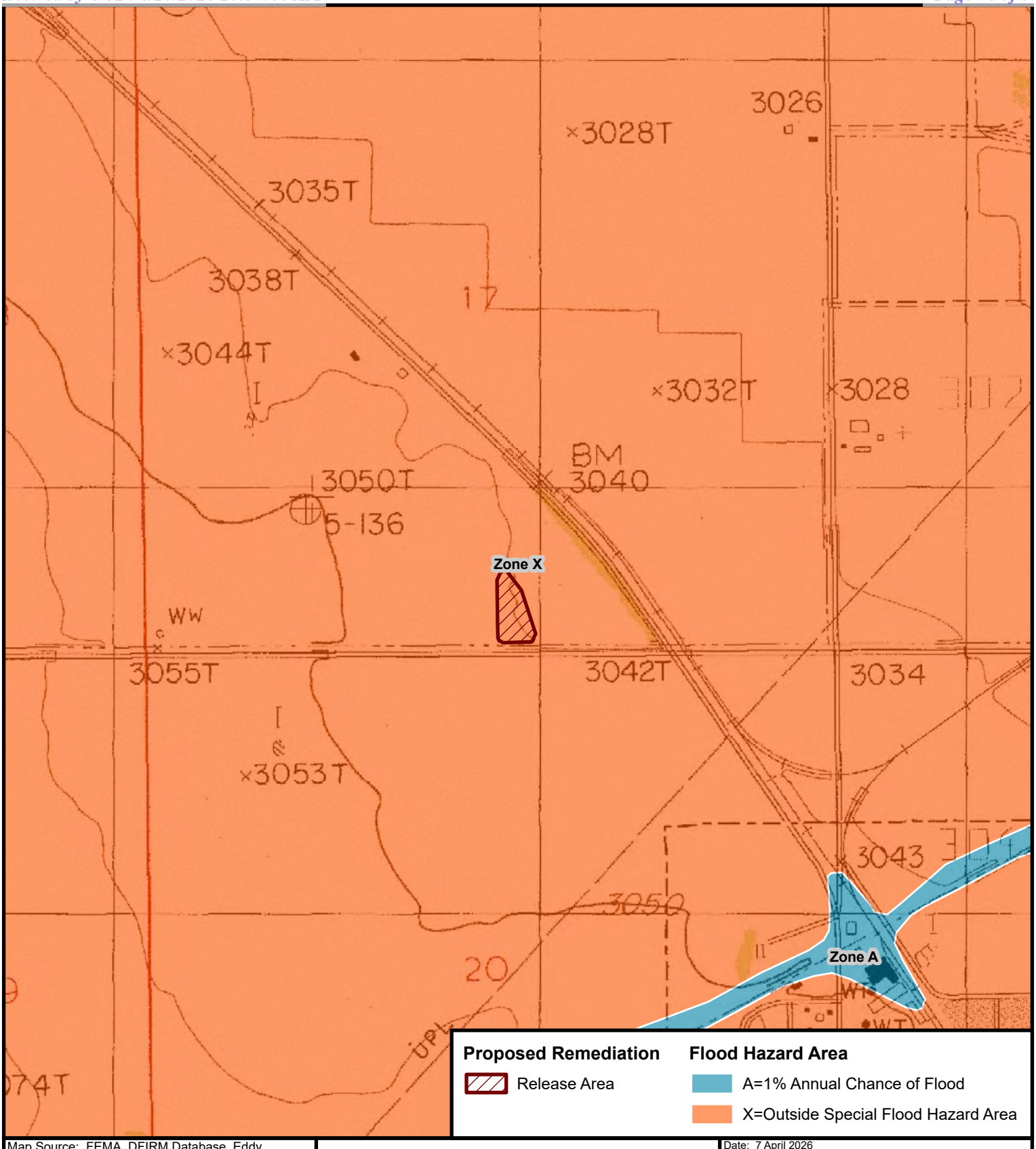
GOSHAWK ENVIRONMENTAL CONSULTING, INC.



Map Source: FEMA, DFIRM Database, Eddy County, New Mexico; Panels #48013C0500C; Effective Date: November 04, 2010.
USGS, Loving, New Mexico Quadrangle.

0 500 1,000 Feet

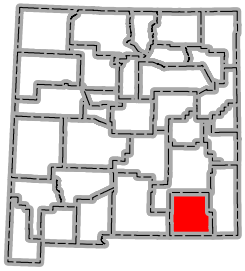
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 4
FEMA Flood Hazard Area
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 7 April 2026



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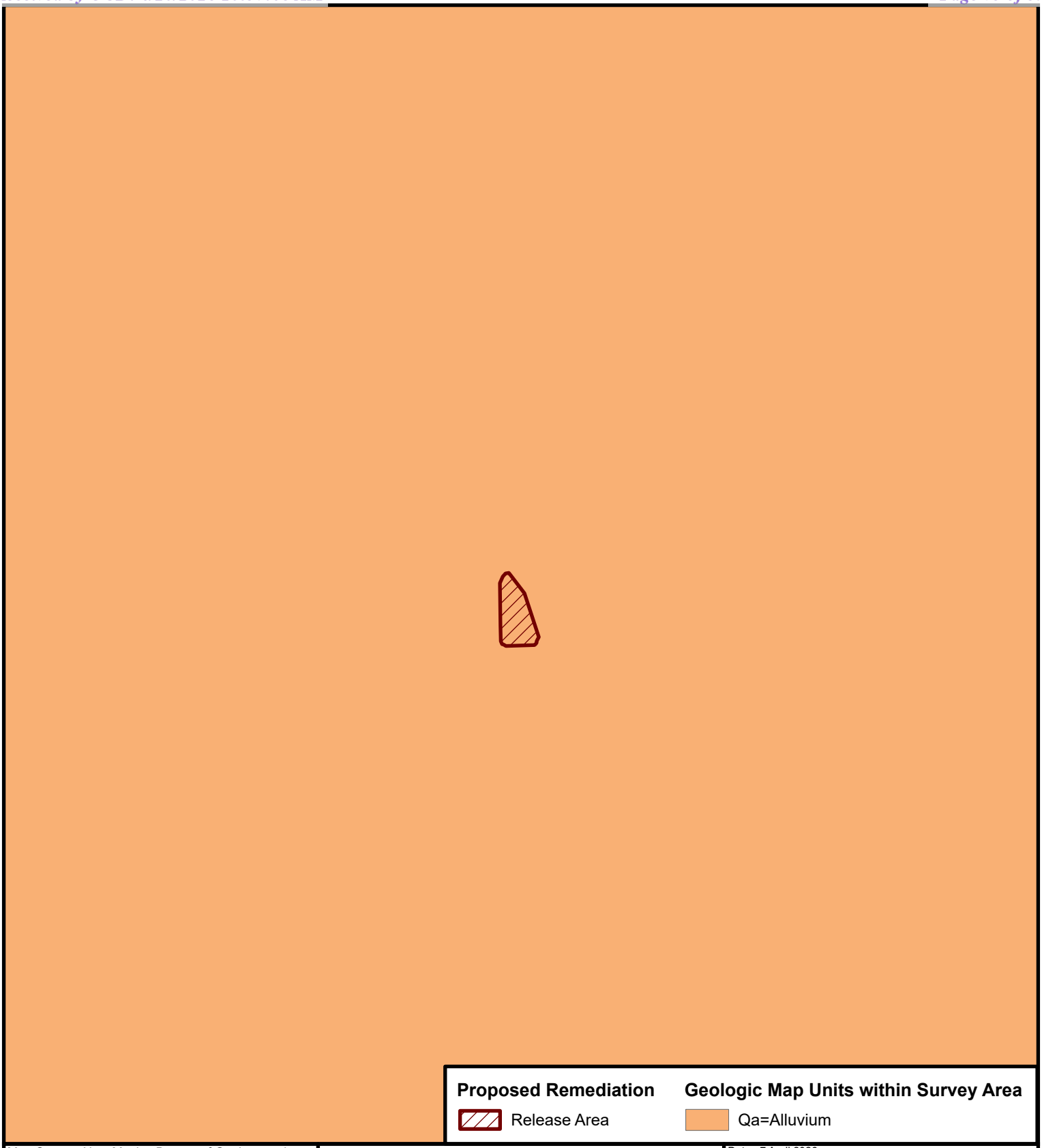


Proposed Remediation

Release Area

Geologic Map Units within Survey Area

Qa=Alluvium

Map Source: New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, 1:500,000.

0 500 1,000 Feet

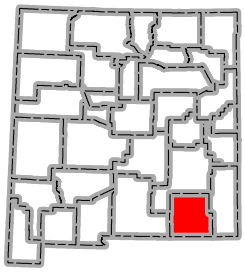
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 5
Geology
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 7 April 2026



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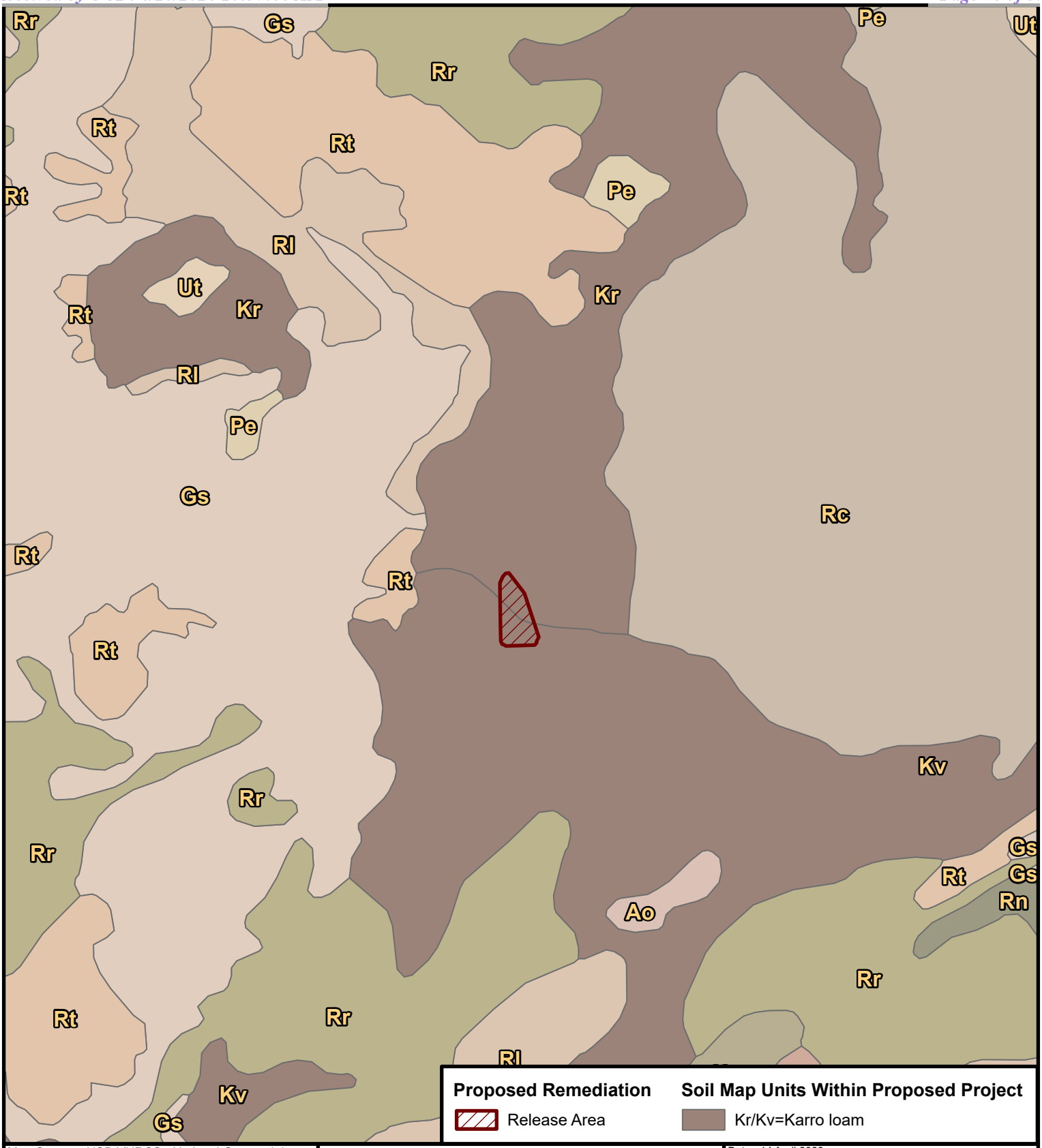


Map Source: USDA/NRCS - National Geospatial Center of Excellence. Soil Survey Geographic (SSURGO) Eddy County, New Mexico.

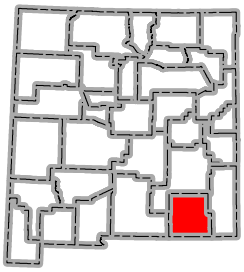
0 500 1,000 Feet

Figure 6
NRCS SSURGO
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 14 April 2026



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GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Map Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGrid, IGN, and the GIS User Community.

0 500 1,000 Feet

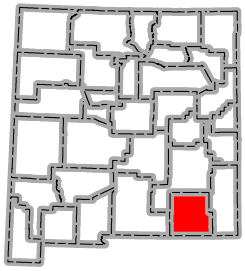
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 7
Aerial Orthoimagery
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 8 April 2026



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Map Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGrid, IGN, and the GIS User Community.

0 250 500 Feet

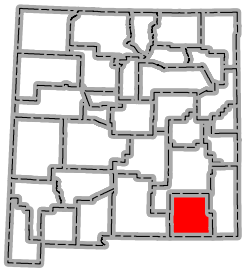
GOSHAWK ENVIRONMENTAL CONSULTING, INC.

Figure 8
Karst Survey
Eddy County, New Mexico

Cigarillo SWD

Township 23S; Range 28E; Section 17

Date: 14 April 2026



N

GOSHAWK ENVIRONMENTAL CONSULTING, INC.

APPENDIX B

PHOTOGRAPHS

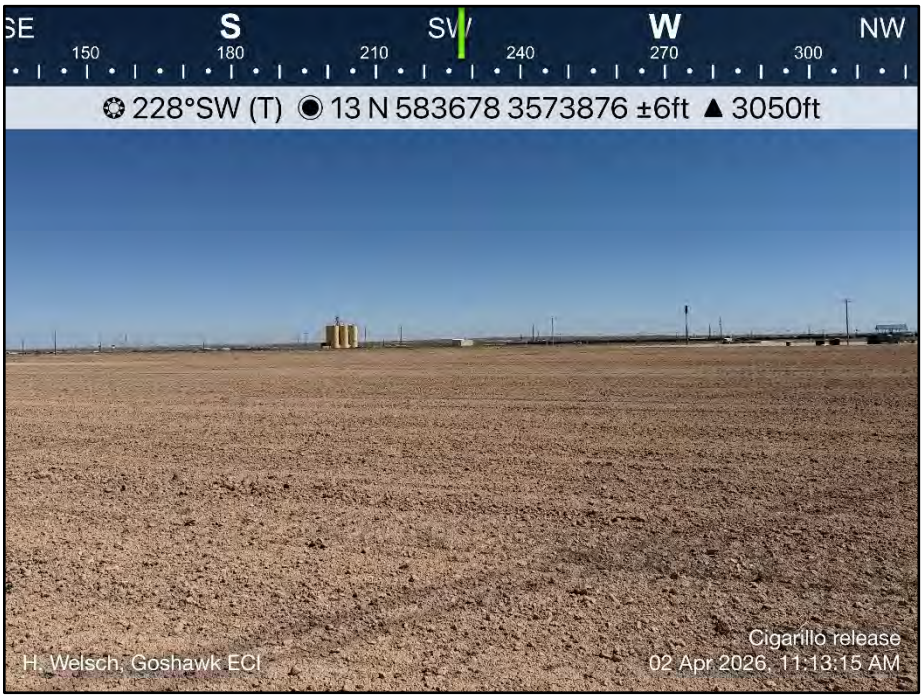
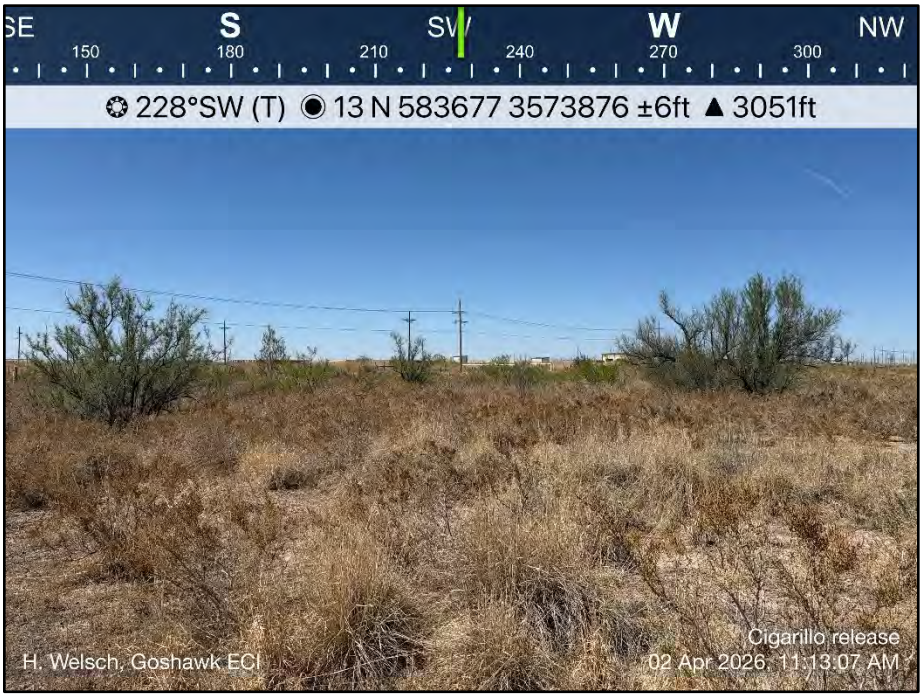
Photo #: 1	Date: 2 April 2026
Relatively Flat Terrain within Proposed Remediation	

Photo #: 2	Date: 2 April 2026
Shrubland Vegetation Intermixed with Grasses and Forbs within Proposed Remediation	

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/16/2026 11:04:05 AM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70614-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

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
4/16/2026 11:04:05 AM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70614-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70614-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1 Eurofins Midland

Job Narrative
880-70614-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137199 and 880-137204 and analytical batch 880-137276 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-8 (4.0') (880-70614-47), BH-10 (2.0') (880-70614-57) and BH-10 (3.0') (880-70614-58). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-137198 and analytical batch 880-137275 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137275 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-137275/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137275 recovered above the upper control limit for Benzene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-137275/51).

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-1 (0-0.25) (880-70614-1), BH-1 (1.0') (880-70614-2), BH-1 (2.0') (880-70614-3), BH-1 (3.0') (880-70614-4), BH-1 (4.0') (880-70614-5), BH-1 (5.0') (880-70614-6), BH-2 (0-0.25) (880-70614-7), BH-2 (1.0') (880-70614-8), BH-2 (2.0') (880-70614-9), BH-2 (3.0') (880-70614-10), BH-2 (4.0') (880-70614-11), (LCS 880-137197/1-A), (880-70614-A-1-N MS) and (880-70614-A-1-O MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137197 and 880-137198 and analytical batch 880-137275 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-4 (2.0') (880-70614-21), BH-4 (3.0') (880-70614-22), BH-4 (4.0') (880-70614-23), BH-4 (5.0') (880-70614-24), BH-5 (0-0.25) (880-70614-25), BH-5 (1.0') (880-70614-26), BH-5 (2.0') (880-70614-27), BH-5 (3.0') (880-70614-28), BH-5 (4.0') (880-70614-29), BH-5 (5.0') (880-70614-30), BH-6 (0-0.25) (880-70614-31), BH-6 (1.0') (880-70614-32), BH-6 (2.0') (880-70614-33), BH-6 (3.0') (880-70614-34), BH-6 (4.0') (880-70614-35), BH-6 (5.0') (880-70614-36), BH-7 (0-0.25) (880-70614-37), BH-7 (1.0') (880-70614-38), BH-7 (2.0') (880-70614-39), BH-7 (3.0') (880-70614-40), (LCSD 880-137198/2-A) and (880-70614-A-21-F MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-3 (4.0') (880-70614-17), BH-3 (5.0') (880-70614-18), BH-4 (0-0.25) (880-70614-19), BH-4 (1.0') (880-70614-20), (LCS 880-137395/1-A), (LCSD 880-137395/2-A), (890-9765-A-1-E), (890-9765-A-1-C MS) and (890-9765-A-1-D MSD). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources Job ID: 880-70614-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1 (Continued) Eurofins Midland

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137395 and analytical batch 880-137407 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-3 (0-0.25) (880-70614-13), BH-3 (1.0') (880-70614-14), BH-3 (2.0') (880-70614-15), (LCS 880-137511/1-A), (LCSD 880-137511/2-A), (MB 880-137511/5-A), (890-9767-A-1-G), (890-9767-A-1-E MS) and (890-9767-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-3 (3.0') (880-70614-16). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137539 and analytical batch 880-137626 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-136858 and analytical batch 880-137626 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-4 (4.0') (880-70614-23). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-5 (2.0') (880-70614-27). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-5 (3.0') (880-70614-28). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-70614-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-1 (1.0') (880-70614-2). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-1 (5.0') (880-70614-6). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-2 (3.0') (880-70614-10). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: BH-3 (2.0') (880-70614-15), BH-3 (3.0') (880-70614-16) and BH-3 (4.0') (880-70614-17). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-137157 and analytical batch 880-137372 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 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-5 (4.0') (880-70614-29). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-137158 and analytical batch 880-137369 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-137456 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:(CCV 880-137456/110) and (CCV

Case Narrative

Client: Carmona Resources Job ID: 880-70614-1
Project: Cigarillo PW System ROW (11.03.2018)

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880-137456/111).

Method 8015B NM: Surrogate recovery for the following sample was outside the upper control limit: BH-8 (1.0') (880-70614-44). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-137159 and analytical batch 880-137456 was outside the upper control limits.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137926 and analytical batch 880-137945 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 8015B NM: Surrogate recovery for the following samples were outside control limits: BH-5 (5.0') (880-70614-30), BH-6 (0-0.25) (880-70614-31) and (890-9781-A-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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137128 and analytical batch 880-137189 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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137131 and analytical batch 880-137194 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (0-0.25)

Lab Sample ID: 880-70614-1
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/09/26 23:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/09/26 23:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/09/26 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*206*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/09/26 23:38*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/08/26 10:49*	*04/09/26 23:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/09/26 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**71.0**		49.9		mg/Kg			04/10/26 03:52	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 F2 F1	49.9		mg/Kg		04/07/26 18:08	04/10/26 03:52	1
Diesel Range Organics (Over C10-C28)	**71.0**	**F2 F1**	49.9		mg/Kg		04/07/26 18:08	04/10/26 03:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*04/07/26 18:08*	*04/10/26 03:52*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/07/26 18:08*	*04/10/26 03:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3830**		101		mg/Kg			04/08/26 19:17	10

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-70614-2
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/09/26 23:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/09/26 23:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/09/26 23:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:49	04/09/26 23:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/09/26 23:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:49	04/09/26 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*222*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/09/26 23:59*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/08/26 10:49*	*04/09/26 23:59*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-70614-2
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/09/26 23:59	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			04/10/26 04:54	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	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 04:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 04:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*04/07/26 18:08*	*04/10/26 04:54*	*1*
o-Terphenyl	*82*		*70 - 130*	*04/07/26 18:08*	*04/10/26 04:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1420**		49.7		mg/Kg			04/08/26 19:22	5

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-70614-3
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 00:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:49	04/10/26 00:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:49	04/10/26 00:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:49	04/10/26 00:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:49	04/10/26 00:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:49	04/10/26 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 00:20*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*04/08/26 10:49*	*04/10/26 00:20*	*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			04/10/26 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/10/26 05:14	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	<50.5	U	50.5		mg/Kg		04/07/26 18:08	04/10/26 05:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/07/26 18:08	04/10/26 05:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-70614-3
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:08	04/10/26 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:14*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1530**		50.0		mg/Kg			04/08/26 19:27	5

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-70614-4
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 00:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 00:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 00:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:49	04/10/26 00:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 00:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:49	04/10/26 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*234*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 00:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:49*	*04/10/26 00:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/10/26 00:40	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			04/10/26 05:34	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		04/07/26 18:08	04/10/26 05:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 05:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:34*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2050**		99.0		mg/Kg			04/08/26 19:32	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-70614-5
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 01:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 01:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 01:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:49	04/10/26 01:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 01:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:49	04/10/26 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 01:01*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*04/08/26 10:49*	*04/10/26 01:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/10/26 01:01	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			04/10/26 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 05:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 05:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:54*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/07/26 18:08*	*04/10/26 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		99.6		mg/Kg			04/08/26 19:38	10

Client Sample ID: BH-1 (5.0')

Lab Sample ID: 880-70614-6
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 01:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 01:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 01:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/10/26 01:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 01:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/10/26 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 01:21*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*04/08/26 10:49*	*04/10/26 01:21*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (5.0')

Lab Sample ID: 880-70614-6
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 01:21	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			04/10/26 06:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*196*	*S1+*	*70 - 130*	*04/07/26 18:08*	*04/10/26 06:15*	*1*
o-Terphenyl	*207*	*S1+*	*70 - 130*	*04/07/26 18:08*	*04/10/26 06:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2160**		99.2		mg/Kg			04/08/26 19:53	10

Client Sample ID: BH-2 (0-0.25)

Lab Sample ID: 880-70614-7
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 01:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/10/26 01:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/10/26 01:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:49	04/10/26 01:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:49	04/10/26 01:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:49	04/10/26 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*266*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 01:42*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/08/26 10:49*	*04/10/26 01:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/10/26 01:42	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			04/10/26 06:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 06:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 06:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (0-0.25)

Lab Sample ID: 880-70614-7
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:08	04/10/26 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/07/26 18:08*	*04/10/26 06:36*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/07/26 18:08*	*04/10/26 06:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5620**		99.8		mg/Kg			04/08/26 19:59	10

Client Sample ID: BH-2 (1.0')

Lab Sample ID: 880-70614-8
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 02:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 02:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 02:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/26 10:49	04/10/26 02:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 02:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/26 10:49	04/10/26 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 02:02*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/08/26 10:49*	*04/10/26 02:02*	*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			04/10/26 02:02	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			04/10/26 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/07/26 18:08*	*04/10/26 06:56*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:08*	*04/10/26 06:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1460**		50.4		mg/Kg			04/08/26 20:14	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-70614-9
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 02:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 02:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 02:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:49	04/10/26 02:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:49	04/10/26 02:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:49	04/10/26 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 02:23*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*04/08/26 10:49*	*04/10/26 02:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/10/26 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 07:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 07:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 07:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:08*	*04/10/26 07:16*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:08*	*04/10/26 07:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1830**		99.4		mg/Kg			04/08/26 20:20	10

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-70614-10
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 02:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 02:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 02:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:49	04/10/26 02:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:49	04/10/26 02:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:49	04/10/26 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*199*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 02:44*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*04/08/26 10:49*	*04/10/26 02:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-70614-10
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 07:37	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	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 07:37	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 07:37	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*04/07/26 18:08*	*04/10/26 07:37*	*1*
o-Terphenyl	*81*		*70 - 130*	*04/07/26 18:08*	*04/10/26 07:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1850**		99.4		mg/Kg			04/08/26 20:25	10

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-70614-11
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:49	04/10/26 04:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 04:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 04:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/10/26 04:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/10/26 04:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:49	04/10/26 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/10/26 04:18*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*04/08/26 10:49*	*04/10/26 04:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/10/26 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	<50.1	U	50.1		mg/Kg			04/10/26 08:18	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	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 08:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:08	04/10/26 08:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-70614-11
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:08	04/10/26 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:18*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1510**		99.4		mg/Kg			04/08/26 20:30	10

Client Sample ID: BH-2 (5.0')

Lab Sample ID: 880-70614-12
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/13/26 11:03	04/15/26 02:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/15/26 02:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/15/26 02:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/26 11:03	04/15/26 02:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/15/26 02:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/26 11:03	04/15/26 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/13/26 11:03*	*04/15/26 02:44*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/13/26 11:03*	*04/15/26 02:44*	*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			04/15/26 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 08:38	1

Method: SW846 8015B 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		04/07/26 18:08	04/10/26 08:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:38*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2000**		100		mg/Kg			04/08/26 20:35	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (0-0.25)

Lab Sample ID: 880-70614-13
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/13/26 08:45	04/13/26 14:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:45	04/13/26 14:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:45	04/13/26 14:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/13/26 08:45	04/13/26 14:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:45	04/13/26 14:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/13/26 08:45	04/13/26 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*04/13/26 08:45*	*04/13/26 14:58*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/13/26 08:45*	*04/13/26 14:58*	*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			04/13/26 14:58	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			04/10/26 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 08:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 08:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:58*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/07/26 18:08*	*04/10/26 08:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23700**		198		mg/Kg			04/08/26 20:41	20

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-70614-14
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/13/26 08:45	04/13/26 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 15:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/26 08:45	04/13/26 15:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 15:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/26 08:45	04/13/26 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*04/13/26 08:45*	*04/13/26 15:19*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/13/26 08:45*	*04/13/26 15:19*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-70614-14
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/13/26 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	<50.0	U	50.0		mg/Kg			04/10/26 09:18	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	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 09:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 09:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*04/07/26 18:08*	*04/10/26 09:18*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/07/26 18:08*	*04/10/26 09:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**951**		50.5		mg/Kg			04/08/26 20:46	5

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-70614-15
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/13/26 08:45	04/13/26 15:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:45	04/13/26 15:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:45	04/13/26 15:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/26 08:45	04/13/26 15:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:45	04/13/26 15:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/26 08:45	04/13/26 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*04/13/26 08:45*	*04/13/26 15:39*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/13/26 08:45*	*04/13/26 15:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/13/26 15:39	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			04/10/26 09:38	1

Method: SW846 8015B 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		04/07/26 18:08	04/10/26 09:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 09:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-70614-15
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:08	04/10/26 09:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*04/07/26 18:08*	*04/10/26 09:38*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/07/26 18:08*	*04/10/26 09:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**802**		50.1		mg/Kg			04/08/26 18:54	5

Client Sample ID: BH-3 (3.0')

Lab Sample ID: 880-70614-16
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/13/26 08:45	04/13/26 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 17:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/26 08:45	04/13/26 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 17:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/26 08:45	04/13/26 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*S1+*	*70 - 130*	*04/13/26 08:45*	*04/13/26 17:13*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/13/26 08:45*	*04/13/26 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/13/26 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			04/10/26 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 09:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 09:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*04/07/26 18:08*	*04/10/26 09:59*	*1*
o-Terphenyl	*83*		*70 - 130*	*04/07/26 18:08*	*04/10/26 09:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1560**		50.2		mg/Kg			04/08/26 19:10	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-70614-17
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/26 09:12	04/10/26 17:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/26 09:12	04/10/26 17:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/26 09:12	04/10/26 17:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/26 09:12	04/10/26 17:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/26 09:12	04/10/26 17:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/26 09:12	04/10/26 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*	*04/10/26 09:12*	*04/10/26 17:58*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/10/26 09:12*	*04/10/26 17:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/10/26 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 10:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 10:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:08	04/10/26 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*04/07/26 18:08*	*04/10/26 10:20*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/07/26 18:08*	*04/10/26 10:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2480**		101		mg/Kg			04/08/26 19:15	10

Client Sample ID: BH-3 (5.0')

Lab Sample ID: 880-70614-18
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 18:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/26 09:12	04/10/26 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 18:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/26 09:12	04/10/26 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*04/10/26 09:12*	*04/10/26 18:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/10/26 09:12*	*04/10/26 18:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (5.0')

Lab Sample ID: 880-70614-18
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 10:40	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	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*04/07/26 18:08*	*04/10/26 10:40*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/07/26 18:08*	*04/10/26 10:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1860**		99.2		mg/Kg			04/08/26 19:20	10

Client Sample ID: BH-4 (0-0.25)

Lab Sample ID: 880-70614-19
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/26 09:12	04/10/26 18:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/26 09:12	04/10/26 18:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/26 09:12	04/10/26 18:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/10/26 09:12	04/10/26 18:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/26 09:12	04/10/26 18:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/10/26 09:12	04/10/26 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/10/26 09:12*	*04/10/26 18:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/10/26 09:12*	*04/10/26 18:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/10/26 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 11:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:08	04/10/26 11:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (0-0.25)

Lab Sample ID: 880-70614-19
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:08	04/10/26 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*04/07/26 18:08*	*04/10/26 11:00*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/07/26 18:08*	*04/10/26 11:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52100**		496		mg/Kg			04/08/26 19:26	50

Client Sample ID: BH-4 (1.0')

Lab Sample ID: 880-70614-20
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 19:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 19:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/26 09:12	04/10/26 19:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 19:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/26 09:12	04/10/26 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*04/10/26 09:12*	*04/10/26 19:00*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/10/26 09:12*	*04/10/26 19:00*	*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			04/10/26 19:00	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			04/10/26 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	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 11:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 11:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*04/07/26 18:08*	*04/10/26 11:21*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/07/26 18:08*	*04/10/26 11:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5360**		99.8		mg/Kg			04/08/26 19:41	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-70614-21
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 12:37	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 12:37	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 12:37*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 10:52*	*04/09/26 12:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/09/26 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0		mg/Kg		04/07/26 18:09	04/10/26 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/07/26 18:09*	*04/10/26 03:52*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:09*	*04/10/26 03:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2380**		99.2		mg/Kg			04/08/26 19:47	10

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-70614-22
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 12:57	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 12:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:52	04/09/26 12:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 12:57	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 12:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*217*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 12:57*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 10:52*	*04/09/26 12:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-70614-22
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/09/26 12:57	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			04/10/26 04:54	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	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 04:54	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 04:54	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/07/26 18:09*	*04/10/26 04:54*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/07/26 18:09*	*04/10/26 04:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		101		mg/Kg			04/08/26 19:52	10

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-70614-23
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 13:18	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 13:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:52	04/09/26 13:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 13:18	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 13:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 13:18*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*04/08/26 10:52*	*04/09/26 13:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/10/26 05:14	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	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 05:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 05:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-70614-23
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/07/26 18:09	04/10/26 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/07/26 18:09*	*04/10/26 05:14*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*04/07/26 18:09*	*04/10/26 05:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1470**		99.4		mg/Kg			04/08/26 19:57	10

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-70614-24
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 13:38	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:52	04/09/26 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 13:38	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*194*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 13:38*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/08/26 10:52*	*04/09/26 13:38*	*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			04/09/26 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 05:34	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	<50.1	U	50.1		mg/Kg		04/07/26 18:09	04/10/26 05:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:09	04/10/26 05:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:09	04/10/26 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:09*	*04/10/26 05:34*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/07/26 18:09*	*04/10/26 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1720**		99.6		mg/Kg			04/08/26 20:02	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (0-0.25)

Lab Sample ID: 880-70614-25
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 13:59	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 13:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:52	04/09/26 13:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 13:59	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 13:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 13:59*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*04/08/26 10:52*	*04/09/26 13:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/09/26 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.9**		49.8		mg/Kg			04/10/26 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 05:54	1
Diesel Range Organics (Over C10-C28)	**67.9**		49.8		mg/Kg		04/07/26 18:09	04/10/26 05:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*04/07/26 18:09*	*04/10/26 05:54*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/07/26 18:09*	*04/10/26 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10400**		200		mg/Kg			04/08/26 20:08	20

Client Sample ID: BH-5 (1.0')

Lab Sample ID: 880-70614-26
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 14:20	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 14:20	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*220*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 14:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 10:52*	*04/09/26 14:20*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (1.0')

Lab Sample ID: 880-70614-26
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			04/09/26 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 06:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 06:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 06:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/07/26 18:09*	*04/10/26 06:15*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/07/26 18:09*	*04/10/26 06:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**770**		49.6		mg/Kg			04/08/26 20:23	5

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-70614-27
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 14:40	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 14:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:52	04/09/26 14:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 14:40	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 14:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 14:40*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*04/08/26 10:52*	*04/09/26 14:40*	*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			04/09/26 14:40	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			04/10/26 06:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 06:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 06:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-70614-27
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:09	04/10/26 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/07/26 18:09*	*04/10/26 06:36*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*04/07/26 18:09*	*04/10/26 06:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**957**		49.5		mg/Kg			04/08/26 20:28	5

Client Sample ID: BH-5 (3.0')

Lab Sample ID: 880-70614-28
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 15:01	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 15:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:52	04/09/26 15:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 15:01	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 15:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 15:01*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*04/08/26 10:52*	*04/09/26 15:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 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	<49.8	U	49.8		mg/Kg			04/10/26 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 06:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 06:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*04/07/26 18:09*	*04/10/26 06:56*	*1*
o-Terphenyl	*124*		*70 - 130*	*04/07/26 18:09*	*04/10/26 06:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1380**		49.8		mg/Kg			04/08/26 20:44	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (4.0')

Lab Sample ID: 880-70614-29
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 15:21	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 15:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:52	04/09/26 15:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 15:21	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 15:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*210*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 15:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/08/26 10:52*	*04/09/26 15:21*	*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			04/09/26 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 07:16	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		04/07/26 18:09	04/10/26 07:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 07:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*04/07/26 18:09*	*04/10/26 07:16*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*04/07/26 18:09*	*04/10/26 07:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1090**		50.2		mg/Kg			04/08/26 20:49	5

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-70614-30
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 15:42	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 15:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:52	04/09/26 15:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 15:42	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 15:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 15:42*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*04/08/26 10:52*	*04/09/26 15:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-70614-30
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/09/26 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	<50.0	U	50.0		mg/Kg			04/16/26 10:29	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		04/16/26 07:20	04/16/26 10:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/26 07:20	04/16/26 10:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/26 07:20	04/16/26 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*04/16/26 07:20*	*04/16/26 10:29*	*1*
o-Terphenyl	*72*		*70 - 130*	*04/16/26 07:20*	*04/16/26 10:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2340**		50.5		mg/Kg			04/08/26 20:55	5

Client Sample ID: BH-6 (0-0.25)

Lab Sample ID: 880-70614-31
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 17:17	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 17:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 17:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 17:17	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 17:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 17:17*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*04/08/26 10:52*	*04/09/26 17:17*	*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			04/09/26 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/26 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/26 07:20	04/16/26 10:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/26 07:20	04/16/26 10:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (0-0.25)

Lab Sample ID: 880-70614-31
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/16/26 07:20	04/16/26 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*62*	*S1-*	*70 - 130*	*04/16/26 07:20*	*04/16/26 10:43*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*04/16/26 07:20*	*04/16/26 10:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2520**		50.2		mg/Kg			04/08/26 21:00	5

Client Sample ID: BH-6 (1.0')

Lab Sample ID: 880-70614-32
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 17:38	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 17:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:52	04/09/26 17:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 17:38	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 17:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*224*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 17:38*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/08/26 10:52*	*04/09/26 17:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 08:38	1

Method: SW846 8015B 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		04/07/26 18:09	04/10/26 08:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 08:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/07/26 18:09*	*04/10/26 08:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:09*	*04/10/26 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2520**		50.4		mg/Kg			04/08/26 21:05	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (2.0')

Lab Sample ID: 880-70614-33
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 17:58	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 17:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:52	04/09/26 17:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 17:58	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 17:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 17:58*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/08/26 10:52*	*04/09/26 17:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 08:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 08:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/07/26 18:09*	*04/10/26 08:58*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:09*	*04/10/26 08:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1730**		49.7		mg/Kg			04/08/26 21:10	5

Client Sample ID: BH-6 (3.0')

Lab Sample ID: 880-70614-34
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 18:19	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 18:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/26 10:52	04/09/26 18:19	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 18:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/26 10:52	04/09/26 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 18:19*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/08/26 10:52*	*04/09/26 18:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (3.0')

Lab Sample ID: 880-70614-34
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/09/26 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/10/26 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/07/26 18:09	04/10/26 09:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/07/26 18:09	04/10/26 09:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/07/26 18:09	04/10/26 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:18*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		49.6		mg/Kg			04/08/26 21:16	5

Client Sample ID: BH-6 (4.0')

Lab Sample ID: 880-70614-35
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 18:39	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 18:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:52	04/09/26 18:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 18:39	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 18:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 18:39*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*04/08/26 10:52*	*04/09/26 18:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 09:38	1

Method: SW846 8015B 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		04/07/26 18:09	04/10/26 09:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 09:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (4.0')

Lab Sample ID: 880-70614-35
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:09	04/10/26 09:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:38*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**771**		100		mg/Kg			04/08/26 21:28	10

Client Sample ID: BH-6 (5.0')

Lab Sample ID: 880-70614-36
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 19:00	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 19:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 19:00	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 10:52	04/09/26 19:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:52	04/09/26 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 19:00*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*04/08/26 10:52*	*04/09/26 19:00*	*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			04/09/26 19:00	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			04/10/26 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 09:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 09:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:09	04/10/26 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:59*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:09*	*04/10/26 09:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**499**		50.2		mg/Kg			04/08/26 21:43	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (0-0.25)

Lab Sample ID: 880-70614-37
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 19:20	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 19:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:52	04/09/26 19:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 19:20	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 10:52	04/09/26 19:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:52	04/09/26 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 19:20*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*04/08/26 10:52*	*04/09/26 19:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 10:20	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		04/07/26 18:09	04/10/26 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/07/26 18:09*	*04/10/26 10:20*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/07/26 18:09*	*04/10/26 10:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11700**		202		mg/Kg			04/08/26 21:49	20

Client Sample ID: BH-7 (1.0')

Lab Sample ID: 880-70614-38
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 19:41	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 19:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:52	04/09/26 19:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 19:41	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 10:52	04/09/26 19:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:52	04/09/26 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*209*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 19:41*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 10:52*	*04/09/26 19:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (1.0')

Lab Sample ID: 880-70614-38
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			04/09/26 19:41	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			04/10/26 10:40	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	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/07/26 18:09*	*04/10/26 10:40*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:09*	*04/10/26 10:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2890**		99.2		mg/Kg			04/08/26 21:54	10

Client Sample ID: BH-7 (2.0')

Lab Sample ID: 880-70614-39
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 20:01	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 20:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:52	04/09/26 20:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 20:01	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		04/08/26 10:52	04/09/26 20:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:52	04/09/26 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 20:01*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*04/08/26 10:52*	*04/09/26 20:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 11:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:09	04/10/26 11:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (2.0')

Lab Sample ID: 880-70614-39
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:09	04/10/26 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:09*	*04/10/26 11:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:09*	*04/10/26 11:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**520**		49.8		mg/Kg			04/08/26 21:59	5

Client Sample ID: BH-7 (3.0')

Lab Sample ID: 880-70614-40
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:52	04/09/26 20:22	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 20:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:52	04/09/26 20:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 20:22	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 10:52	04/09/26 20:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:52	04/09/26 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 20:22*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*04/08/26 10:52*	*04/09/26 20:22*	*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			04/09/26 20:22	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			04/10/26 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	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 11:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 11:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/07/26 18:09*	*04/10/26 11:21*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/07/26 18:09*	*04/10/26 11:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**336**		99.8		mg/Kg			04/08/26 22:15	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (4.0')

Lab Sample ID: 880-70614-41
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 02:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 02:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 02:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 02:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 02:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*04/08/26 10:56*	*04/10/26 02:22*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/08/26 10:56*	*04/10/26 02:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/10/26 02:22	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			04/11/26 04:09	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	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/07/26 18:10*	*04/11/26 04:09*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/07/26 18:10*	*04/11/26 04:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		99.2		mg/Kg			04/08/26 22:20	10

Client Sample ID: BH-7 (5.0')

Lab Sample ID: 880-70614-42
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 02:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 02:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 02:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 02:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 02:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/08/26 10:56*	*04/10/26 02:43*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 10:56*	*04/10/26 02:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (5.0')

Lab Sample ID: 880-70614-42
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/11/26 05:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 05:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 05:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/07/26 18:10*	*04/11/26 05:10*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/07/26 18:10*	*04/11/26 05:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		101		mg/Kg			04/08/26 22:25	10

Client Sample ID: BH-8 (0-0.25)

Lab Sample ID: 880-70614-43
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 03:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 03:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 03:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 03:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 03:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:03*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:03*	*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			04/10/26 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/11/26 05:31	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	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 05:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 05:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (0-0.25)

Lab Sample ID: 880-70614-43
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:10	04/11/26 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:10*	*04/11/26 05:31*	*1*
o-Terphenyl	*116*		*70 - 130*	*04/07/26 18:10*	*04/11/26 05:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32200**		497		mg/Kg			04/08/26 22:31	50

Client Sample ID: BH-8 (1.0')

Lab Sample ID: 880-70614-44
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 03:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 03:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 03:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 03:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 03:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:24*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/10/26 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/11/26 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 05:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 05:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*193*	*S1+*	*70 - 130*	*04/07/26 18:10*	*04/11/26 05:51*	*1*
o-Terphenyl	*221*	*S1+*	*70 - 130*	*04/07/26 18:10*	*04/11/26 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6480**		199		mg/Kg			04/08/26 22:36	20

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (2.0')

Lab Sample ID: 880-70614-45
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 03:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 03:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 03:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 03:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 03:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:44*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 10:56*	*04/10/26 03:44*	*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			04/10/26 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/26 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 06:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 06:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:12*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2820**	**F1**	99.8		mg/Kg			04/08/26 22:41	10

Client Sample ID: BH-8 (3.0')

Lab Sample ID: 880-70614-46
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 04:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 04:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 04:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 04:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 04:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/08/26 10:56*	*04/10/26 04:05*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/08/26 10:56*	*04/10/26 04:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (3.0')

Lab Sample ID: 880-70614-46
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/11/26 06:32	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		04/07/26 18:10	04/11/26 06:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 06:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:32*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		99.2		mg/Kg			04/08/26 22:57	10

Client Sample ID: BH-8 (4.0')

Lab Sample ID: 880-70614-47
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 04:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 04:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 04:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 04:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 04:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*04/08/26 10:56*	*04/10/26 04:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 10:56*	*04/10/26 04:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/10/26 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 06:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 06:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (4.0')

Lab Sample ID: 880-70614-47
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:10	04/11/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:53*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:10*	*04/11/26 06:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**958**		50.2		mg/Kg			04/08/26 23:02	5

Client Sample ID: BH-8 (5.0')

Lab Sample ID: 880-70614-48
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 04:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 04:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 04:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 04:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 04:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/08/26 10:56*	*04/10/26 04:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 10:56*	*04/10/26 04:45*	*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			04/10/26 04:45	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			04/11/26 07:14	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		04/07/26 18:10	04/11/26 07:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 07:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:14*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**398**		50.1		mg/Kg			04/08/26 23:18	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (0-0.25)

Lab Sample ID: 880-70614-49
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 05:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 05:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 05:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 05:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 05:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/08/26 10:56*	*04/10/26 05:06*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 10:56*	*04/10/26 05:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/10/26 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/26 07:34	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		04/07/26 18:10	04/11/26 07:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 07:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:34*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2010**		49.7		mg/Kg			04/08/26 23:23	5

Client Sample ID: BH-9 (1.0')

Lab Sample ID: 880-70614-50
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 05:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 05:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 05:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 05:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 05:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*04/08/26 10:56*	*04/10/26 05:26*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 10:56*	*04/10/26 05:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (1.0')

Lab Sample ID: 880-70614-50
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 05:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/11/26 07:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 07:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 07:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:54*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/07/26 18:10*	*04/11/26 07:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**839**		49.6		mg/Kg			04/08/26 23:28	5

Client Sample ID: BH-9 (2.0')

Lab Sample ID: 880-70614-51
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 07:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 07:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 07:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 07:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 07:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:17*	*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			04/10/26 07:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/11/26 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 08:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 08:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (2.0')

Lab Sample ID: 880-70614-51
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:10	04/11/26 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/07/26 18:10*	*04/11/26 08:36*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/07/26 18:10*	*04/11/26 08:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1270**		49.6		mg/Kg			04/08/26 23:33	5

Client Sample ID: BH-9 (3.0')

Lab Sample ID: 880-70614-52
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 07:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 07:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 07:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 07:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 07:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:37*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/10/26 07:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/11/26 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 08:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 08:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:10	04/11/26 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/07/26 18:10*	*04/11/26 08:56*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:10*	*04/11/26 08:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**936**		50.0		mg/Kg			04/08/26 23:39	5

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (4.0')

Lab Sample ID: 880-70614-53
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 07:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 07:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 07:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 07:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 07:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:58*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/08/26 10:56*	*04/10/26 07:58*	*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			04/10/26 07:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/26 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 09:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 09:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**404**		49.8		mg/Kg			04/08/26 23:44	5

Client Sample ID: BH-9 (5.0')

Lab Sample ID: 880-70614-54
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 08:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 08:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 08:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 08:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 08:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (5.0')

Lab Sample ID: 880-70614-54
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 08:18	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			04/11/26 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 09:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 09:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:37*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		49.9		mg/Kg			04/08/26 23:49	5

Client Sample ID: BH-10 (0-0.25)

Lab Sample ID: 880-70614-55
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 08:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 08:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 08:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 08:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 08:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:56	04/10/26 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:39*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/10/26 08:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/11/26 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 09:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 09:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (0-0.25)

Lab Sample ID: 880-70614-55
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/07/26 18:10	04/11/26 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:57*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:10*	*04/11/26 09:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5010**	**F1**	201		mg/Kg			04/09/26 00:31	20

Client Sample ID: BH-10 (1.0')

Lab Sample ID: 880-70614-56
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 08:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 08:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 08:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 08:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:56	04/10/26 08:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:56	04/10/26 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:59*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 10:56*	*04/10/26 08:59*	*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			04/10/26 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/11/26 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/07/26 18:10	04/11/26 10:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/07/26 18:10	04/11/26 10:17	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/07/26 18:10	04/11/26 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:17*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3140**		100		mg/Kg			04/09/26 00:47	10

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (2.0')

Lab Sample ID: 880-70614-57
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 09:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 09:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 09:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 09:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:56	04/10/26 09:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:56	04/10/26 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*04/08/26 10:56*	*04/10/26 09:19*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 10:56*	*04/10/26 09:19*	*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			04/10/26 09:19	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			04/11/26 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 10:37	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 10:37	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:10	04/11/26 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:37*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		50.5		mg/Kg			04/09/26 00:52	5

Client Sample ID: BH-10 (3.0')

Lab Sample ID: 880-70614-58
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 09:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 09:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 09:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 09:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:56	04/10/26 09:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:56	04/10/26 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*04/08/26 10:56*	*04/10/26 09:40*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 10:56*	*04/10/26 09:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (3.0')

Lab Sample ID: 880-70614-58
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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			04/10/26 09:40	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			04/11/26 10:58	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		04/07/26 18:10	04/11/26 10:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 10:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:58*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/07/26 18:10*	*04/11/26 10:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**475**		101		mg/Kg			04/09/26 00:57	10

Client Sample ID: BH-10 (4.0')

Lab Sample ID: 880-70614-59
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 10:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 10:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 10:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 10:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:56	04/10/26 10:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:56	04/10/26 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/08/26 10:56*	*04/10/26 10:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:56*	*04/10/26 10:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/10/26 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/11/26 11:19	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	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 11:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:10	04/11/26 11:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (4.0')

Lab Sample ID: 880-70614-59
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:10	04/11/26 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/07/26 18:10*	*04/11/26 11:19*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/07/26 18:10*	*04/11/26 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.8**		9.92		mg/Kg			04/09/26 01:03	1

Client Sample ID: BH-10 (5.0')

Lab Sample ID: 880-70614-60
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:56	04/10/26 10:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 10:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 10:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/26 10:56	04/10/26 10:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 10:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/26 10:56	04/10/26 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/08/26 10:56*	*04/10/26 10:21*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 10:56*	*04/10/26 10:21*	*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			04/10/26 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/11/26 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/07/26 18:10*	*04/11/26 11:39*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:10*	*04/11/26 11:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.3**		49.8		mg/Kg			04/09/26 01:18	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-70614-1	BH-1 (0-0.25)	206 S1+	89										
880-70614-1 MS	BH-1 (0-0.25)	231 S1+	94										
880-70614-1 MSD	BH-1 (0-0.25)	172 S1+	125										
880-70614-2	BH-1 (1.0')	222 S1+	90										
880-70614-3	BH-1 (2.0')	174 S1+	75										
880-70614-4	BH-1 (3.0')	234 S1+	100										
880-70614-5	BH-1 (4.0')	180 S1+	72										
880-70614-6	BH-1 (5.0')	168 S1+	76										
880-70614-7	BH-2 (0-0.25)	266 S1+	107										
880-70614-8	BH-2 (1.0')	188 S1+	77										
880-70614-9	BH-2 (2.0')	165 S1+	68 S1-										
880-70614-10	BH-2 (3.0')	199 S1+	81										
880-70614-11	BH-2 (4.0')	176 S1+	69 S1-										
880-70614-12	BH-2 (5.0')	112	101										
880-70614-13	BH-3 (0-0.25)	163 S1+	85										
880-70614-14	BH-3 (1.0')	170 S1+	86										
880-70614-15	BH-3 (2.0')	162 S1+	84										
880-70614-16	BH-3 (3.0')	188 S1+	84										
880-70614-17	BH-3 (4.0')	181 S1+	106										
880-70614-18	BH-3 (5.0')	151 S1+	88										
880-70614-19	BH-4 (0-0.25)	189 S1+	105										
880-70614-20	BH-4 (1.0')	154 S1+	88										
880-70614-21	BH-4 (2.0')	205 S1+	94										
880-70614-21 MS	BH-4 (2.0')	128	98										
880-70614-21 MSD	BH-4 (2.0')	153 S1+	79										
880-70614-22	BH-4 (3.0')	217 S1+	96										
880-70614-23	BH-4 (4.0')	163 S1+	79										
880-70614-24	BH-4 (5.0')	194 S1+	88										
880-70614-25	BH-5 (0-0.25)	147 S1+	74										
880-70614-26	BH-5 (1.0')	220 S1+	99										
880-70614-27	BH-5 (2.0')	175 S1+	79										
880-70614-28	BH-5 (3.0')	158 S1+	73										
880-70614-29	BH-5 (4.0')	210 S1+	89										
880-70614-30	BH-5 (5.0')	151 S1+	72										
880-70614-31	BH-6 (0-0.25)	170 S1+	73										
880-70614-32	BH-6 (1.0')	224 S1+	91										
880-70614-33	BH-6 (2.0')	169 S1+	84										
880-70614-34	BH-6 (3.0')	182 S1+	80										
880-70614-35	BH-6 (4.0')	177 S1+	76										
880-70614-36	BH-6 (5.0')	160 S1+	71										
880-70614-37	BH-7 (0-0.25)	195 S1+	87										
880-70614-38	BH-7 (1.0')	209 S1+	105										
880-70614-39	BH-7 (2.0')	175 S1+	79										
880-70614-40	BH-7 (3.0')	167 S1+	76										
880-70614-41	BH-7 (4.0')	83	91										
880-70614-41 MS	BH-7 (4.0')	100	102										
880-70614-41 MSD	BH-7 (4.0')	100	106										
880-70614-42	BH-7 (5.0')	112	101										
880-70614-43	BH-8 (0-0.25)	117	103										

Surrogate Summary

Client: Carmona Resources Job ID: 880-70614-1
Project/Site: Cigarillo PW System ROW (11.03.2018) SDG: Eddy County New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)								
880-70614-44	BH-8 (1.0')	113	97								
880-70614-45	BH-8 (2.0')	111	95								
880-70614-46	BH-8 (3.0')	107	88								
880-70614-47	BH-8 (4.0')	135 S1+	95								
880-70614-48	BH-8 (5.0')	125	97								
880-70614-49	BH-9 (0-0.25)	115	97								
880-70614-50	BH-9 (1.0')	129	98								
880-70614-51	BH-9 (2.0')	101	102								
880-70614-52	BH-9 (3.0')	104	95								
880-70614-53	BH-9 (4.0')	97	93								
880-70614-54	BH-9 (5.0')	116	105								
880-70614-55	BH-10 (0-0.25)	122	109								
880-70614-56	BH-10 (1.0')	125	103								
880-70614-57	BH-10 (2.0')	147 S1+	101								
880-70614-58	BH-10 (3.0')	138 S1+	104								
880-70614-59	BH-10 (4.0')	114	100								
880-70614-60	BH-10 (5.0')	114	98								
880-70757-A-1-C MS	Matrix Spike	100	102								
880-70757-A-1-D MSD	Matrix Spike Duplicate	98	107								
890-9765-A-1-C MS	Matrix Spike	135 S1+	12 S1-								
890-9765-A-1-D MSD	Matrix Spike Duplicate	140 S1+	12 S1-								
890-9767-A-1-E MS	Matrix Spike	160 S1+	14 S1-								
890-9767-A-1-F MSD	Matrix Spike Duplicate	151 S1+	11 S1-								
LCS 880-137197/1-A	Lab Control Sample	149 S1+	93								
LCS 880-137198/1-A	Lab Control Sample	97	73								
LCS 880-137199/1-A	Lab Control Sample	98	100								
LCS 880-137395/1-A	Lab Control Sample	161 S1+	14 S1-								
LCS 880-137511/1-A	Lab Control Sample	155 S1+	11 S1-								
LCS 880-137539/1-A	Lab Control Sample	91	108								
LCSD 880-137197/2-A	Lab Control Sample Dup	114	88								
LCSD 880-137198/2-A	Lab Control Sample Dup	143 S1+	79								
LCSD 880-137199/2-A	Lab Control Sample Dup	101	106								
LCSD 880-137395/2-A	Lab Control Sample Dup	138 S1+	13 S1-								
LCSD 880-137511/2-A	Lab Control Sample Dup	156 S1+	14 S1-								
LCSD 880-137539/2-A	Lab Control Sample Dup	95	102								
MB 880-136858/5-A	Method Blank	152 S1+	119								
MB 880-137197/5-A	Method Blank	167 S1+	79								
MB 880-137198/5-A	Method Blank	148 S1+	76								
MB 880-137199/5-A	Method Blank	215 S1+	123								
MB 880-137204/5-A	Method Blank	201 S1+	114								
MB 880-137395/5-A	Method Blank	143 S1+	84								
MB 880-137511/5-A	Method Blank	156 S1+	60 S1-								
MB 880-137539/5-A	Method Blank	227 S1+	127								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Job ID: 880-70614-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

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)								
880-70614-1	BH-1 (0-0.25)	74	92								
880-70614-1 MS	BH-1 (0-0.25)	92	99								
880-70614-1 MSD	BH-1 (0-0.25)	69 S1-	72								
880-70614-2	BH-1 (1.0')	68 S1-	82								
880-70614-3	BH-1 (2.0')	78	97								
880-70614-4	BH-1 (3.0')	86	110								
880-70614-5	BH-1 (4.0')	88	108								
880-70614-6	BH-1 (5.0')	196 S1+	207 S1+								
880-70614-7	BH-2 (0-0.25)	88	110								
880-70614-8	BH-2 (1.0')	83	105								
880-70614-9	BH-2 (2.0')	86	102								
880-70614-10	BH-2 (3.0')	67 S1-	81								
880-70614-11	BH-2 (4.0')	89	111								
880-70614-12	BH-2 (5.0')	72	94								
880-70614-13	BH-3 (0-0.25)	83	96								
880-70614-14	BH-3 (1.0')	72	88								
880-70614-15	BH-3 (2.0')	66 S1-	83								
880-70614-16	BH-3 (3.0')	64 S1-	83								
880-70614-17	BH-3 (4.0')	67 S1-	86								
880-70614-18	BH-3 (5.0')	80	95								
880-70614-19	BH-4 (0-0.25)	77	94								
880-70614-20	BH-4 (1.0')	77	99								
880-70614-21	BH-4 (2.0')	93	107								
880-70614-21 MS	BH-4 (2.0')	98	103								
880-70614-21 MSD	BH-4 (2.0')	97	99								
880-70614-22	BH-4 (3.0')	87	123								
880-70614-23	BH-4 (4.0')	99	140 S1+								
880-70614-24	BH-4 (5.0')	97	123								
880-70614-25	BH-5 (0-0.25)	85	103								
880-70614-26	BH-5 (1.0')	87	130								
880-70614-27	BH-5 (2.0')	83	133 S1+								
880-70614-28	BH-5 (3.0')	68 S1-	124								
880-70614-29	BH-5 (4.0')	67 S1-	132 S1+								
880-70614-30	BH-5 (5.0')	69 S1-	72								
880-70614-31	BH-6 (0-0.25)	62 S1-	65 S1-								
880-70614-32	BH-6 (1.0')	99	112								
880-70614-33	BH-6 (2.0')	98	107								
880-70614-34	BH-6 (3.0')	96	112								
880-70614-35	BH-6 (4.0')	90	104								
880-70614-36	BH-6 (5.0')	102	112								
880-70614-37	BH-7 (0-0.25)	104	116								
880-70614-38	BH-7 (1.0')	99	107								
880-70614-39	BH-7 (2.0')	97	102								
880-70614-40	BH-7 (3.0')	96	104								
880-70614-41	BH-7 (4.0')	111	126								
880-70614-41 MS	BH-7 (4.0')	100	107								
880-70614-41 MSD	BH-7 (4.0')	104	106								
880-70614-42	BH-7 (5.0')	98	117								
880-70614-43	BH-8 (0-0.25)	97	116								
880-70614-44	BH-8 (1.0')	193 S1+	221 S1+								

Surrogate Summary

Client: Carmona Resources
Job ID: 880-70614-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-70614-45	BH-8 (2.0')	108	108								
880-70614-46	BH-8 (3.0')	100	106								
880-70614-47	BH-8 (4.0')	105	112								
880-70614-48	BH-8 (5.0')	121	120								
880-70614-49	BH-9 (0-0.25)	95	97								
880-70614-50	BH-9 (1.0')	97	111								
880-70614-51	BH-9 (2.0')	101	109								
880-70614-52	BH-9 (3.0')	106	112								
880-70614-53	BH-9 (4.0')	101	112								
880-70614-54	BH-9 (5.0')	111	121								
880-70614-55	BH-10 (0-0.25)	95	98								
880-70614-56	BH-10 (1.0')	102	113								
880-70614-57	BH-10 (2.0')	98	107								
880-70614-58	BH-10 (3.0')	97	108								
880-70614-59	BH-10 (4.0')	95	104								
880-70614-60	BH-10 (5.0')	101	105								
890-9781-A-1-B MS	Matrix Spike	89	80								
890-9781-A-1-C MSD	Matrix Spike Duplicate	89	80								
LCS 880-137157/2-A	Lab Control Sample	91	92								
LCS 880-137158/2-A	Lab Control Sample	110	126								
LCS 880-137159/2-A	Lab Control Sample	125	120								
LCS 880-137926/2-A	Lab Control Sample	85	89								
LCSD 880-137157/3-A	Lab Control Sample Dup	93	94								
LCSD 880-137158/3-A	Lab Control Sample Dup	116	119								
LCSD 880-137159/3-A	Lab Control Sample Dup	128	123								
LCSD 880-137926/3-A	Lab Control Sample Dup	82	85								
MB 880-137157/1-A	Method Blank	106	102								
MB 880-137158/1-A	Method Blank	109	109								
MB 880-137159/1-A	Method Blank	134 S1+	150 S1+								
MB 880-137926/1-A	Method Blank	83	92								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-136858/5-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/26 15:47	04/14/26 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*04/03/26 15:47*	*04/14/26 11:32*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/03/26 15:47*	*04/14/26 11:32*	*1*

Lab Sample ID: MB 880-137197/5-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:49	04/09/26 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:49	04/09/26 23:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:49	04/09/26 23:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*04/08/26 10:49*	*04/09/26 23:17*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*04/08/26 10:49*	*04/09/26 23:17*	*1*

Lab Sample ID: LCS 880-137197/1-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1293		mg/Kg		129	70 - 130
Toluene	0.100	0.09991		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09757		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2085		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-137197/2-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1214		mg/Kg		121	70 - 130	6	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137197/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137275 — **Prep Batch: 137197**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09233		mg/Kg		92	70 - 130	8	35
Ethylbenzene			0.100	0.1263		mg/Kg		126	70 - 130	26	35
m-Xylene & p-Xylene			0.200	0.2078		mg/Kg		104	70 - 130	0	35
o-Xylene			0.100	0.09263		mg/Kg		93	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 880-70614-1 MS — **Client Sample ID: BH-1 (0-0.25)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137275 — **Prep Batch: 137197**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1197		mg/Kg		120	70 - 130
Toluene	<0.00200	U	0.100	0.09421		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1297		mg/Kg		130	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2222		mg/Kg		111	70 - 130
o-Xylene	<0.00200	U	0.100	0.1094		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*231*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-70614-1 MSD — **Client Sample ID: BH-1 (0-0.25)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137275 — **Prep Batch: 137197**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1264		mg/Kg		126	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.09099		mg/Kg		91	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1063		mg/Kg		106	70 - 130	20	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2093		mg/Kg		105	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.08928		mg/Kg		89	70 - 130	20	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*172*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*

Lab Sample ID: MB 880-137198/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137275 — **Prep Batch: 137198**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:52	04/09/26 12:15	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137198/5-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:52	04/09/26 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:52	04/09/26 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*04/08/26 10:52*	*04/09/26 12:15*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*04/08/26 10:52*	*04/09/26 12:15*	*1*

Lab Sample ID: LCS 880-137198/1-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08133		mg/Kg		81	70 - 130
Toluene	0.100	0.06668	*-	mg/Kg		67	70 - 130
Ethylbenzene	0.100	0.08047		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1565		mg/Kg		78	70 - 130
o-Xylene	0.100	0.06656	*-	mg/Kg		67	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: LCSD 880-137198/2-A
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08699		mg/Kg		87	70 - 130	7	35
Toluene	0.100	0.07263		mg/Kg		73	70 - 130	9	35
Ethylbenzene	0.100	0.07222		mg/Kg		72	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1850		mg/Kg		92	70 - 130	17	35
o-Xylene	0.100	0.09084		mg/Kg		91	70 - 130	31	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-70614-21 MS
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: BH-4 (2.0')
Prep Type: Total/NA
Prep Batch: 137198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1248		mg/Kg		125	70 - 130
Toluene	<0.00200	U *-	0.100	0.1174		mg/Kg		117	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1196		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2218		mg/Kg		111	70 - 130
o-Xylene	<0.00200	U *-	0.100	0.1057		mg/Kg		106	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70614-21 MS
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: BH-4 (2.0')
Prep Type: Total/NA
Prep Batch: 137198

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-70614-21 MSD
Matrix: Solid
Analysis Batch: 137275

Client Sample ID: BH-4 (2.0')
Prep Type: Total/NA
Prep Batch: 137198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1245		mg/Kg		124	70 - 130	0	35
Toluene	<0.00200	U *-	0.100	0.1193		mg/Kg		119	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.08954		mg/Kg		90	70 - 130	29	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2559		mg/Kg		128	70 - 130	14	35
o-Xylene	<0.00200	U *-	0.100	0.1252		mg/Kg		125	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: MB 880-137199/5-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 01:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:56	04/10/26 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:56	04/10/26 01:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:56	04/10/26 01:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130	04/08/26 10:56	04/10/26 01:54	1
1,4-Difluorobenzene (Surr)	123		70 - 130	04/08/26 10:56	04/10/26 01:54	1

Lab Sample ID: LCS 880-137199/1-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07991		mg/Kg		80	70 - 130
Toluene	0.100	0.07485		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.07839		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1505		mg/Kg		75	70 - 130
o-Xylene	0.100	0.08496		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-137199/1-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137199

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

Lab Sample ID: LCSD 880-137199/2-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09508		mg/Kg		95	70 - 130	17	35
Toluene			0.100	0.08285		mg/Kg		83	70 - 130	10	35
Ethylbenzene			0.100	0.07973		mg/Kg		80	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1625		mg/Kg		81	70 - 130	8	35
o-Xylene			0.100	0.09197		mg/Kg		92	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-70614-41 MS
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: BH-7 (4.0')
Prep Type: Total/NA
Prep Batch: 137199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09707		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.09101		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09204		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1798		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.09897		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-70614-41 MSD
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: BH-7 (4.0')
Prep Type: Total/NA
Prep Batch: 137199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.09311		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09453		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1782		mg/Kg		89	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09764		mg/Kg		98	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137204/5-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 11:42	04/09/26 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*04/08/26 11:42*	*04/09/26 14:16*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/08/26 11:42*	*04/09/26 14:16*	*1*

Lab Sample ID: MB 880-137395/5-A
Matrix: Solid
Analysis Batch: 137407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 12:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/26 09:12	04/10/26 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/26 09:12	04/10/26 12:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/26 09:12	04/10/26 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*04/10/26 09:12*	*04/10/26 12:38*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/10/26 09:12*	*04/10/26 12:38*	*1*

Lab Sample ID: LCS 880-137395/1-A
Matrix: Solid
Analysis Batch: 137407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1165		mg/Kg		116	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2319		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1164		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*14*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-137395/2-A
Matrix: Solid
Analysis Batch: 137407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1073		mg/Kg		107	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137395/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137407 — **Prep Batch: 137395**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09601		mg/Kg		96	70 - 130	8	35
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2142		mg/Kg		107	70 - 130	8	35
o-Xylene			0.100	0.1078		mg/Kg		108	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*13*	*S1-*	*70 - 130*

Lab Sample ID: 890-9765-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137407 — **Prep Batch: 137395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.100	0.09136		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09910		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2024		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*12*	*S1-*	*70 - 130*

Lab Sample ID: 890-9765-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137407 — **Prep Batch: 137395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09954		mg/Kg		100	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08940		mg/Kg		89	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09676		mg/Kg		97	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1997		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09916		mg/Kg		99	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*12*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-137511/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137515 — **Prep Batch: 137511**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/26 08:45	04/13/26 12:14	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137511/5-A
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:45	04/13/26 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/26 08:45	04/13/26 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*04/13/26 08:45*	*04/13/26 12:14*	*1*
1,4-Difluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*04/13/26 08:45*	*04/13/26 12:14*	*1*

Lab Sample ID: LCS 880-137511/1-A
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1167		mg/Kg		117	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2334		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1167		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*11*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-137511/2-A
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	4	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	3	35
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2291		mg/Kg		115	70 - 130	2	35
o-Xylene	0.100	0.1156		mg/Kg		116	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*14*	*S1-*	*70 - 130*

Lab Sample ID: 890-9767-A-1-E MS
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1236		mg/Kg		124	70 - 130
Toluene	<0.00200	U	0.100	0.1105		mg/Kg		110	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1187		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2440		mg/Kg		122	70 - 130
o-Xylene	<0.00200	U	0.100	0.1240		mg/Kg		124	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 890-9767-A-1-E MS
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137511

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130
1,4-Difluorobenzene (Surr)	14	S1-	70 - 130

Lab Sample ID: 890-9767-A-1-F MSD
Matrix: Solid
Analysis Batch: 137515

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1193		mg/Kg		119	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1152		mg/Kg		115	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2367		mg/Kg		118	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.1194		mg/Kg		119	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	11	S1-	70 - 130

Lab Sample ID: MB 880-137539/5-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/26 11:03	04/14/26 23:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	04/13/26 11:03	04/14/26 23:11	1
1,4-Difluorobenzene (Surr)	127		70 - 130	04/13/26 11:03	04/14/26 23:11	1

Lab Sample ID: LCS 880-137539/1-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.09287		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08449		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1684		mg/Kg		84	70 - 130
o-Xylene	0.100	0.09494		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-137539/1-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137539

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

Lab Sample ID: LCSD 880-137539/2-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137539

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09280		mg/Kg		93	70 - 130	15	35
Toluene			0.100	0.09110		mg/Kg		91	70 - 130	2	35
Ethylbenzene			0.100	0.08460		mg/Kg		85	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1734		mg/Kg		87	70 - 130	3	35
o-Xylene			0.100	0.09789		mg/Kg		98	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-70757-A-1-C MS
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.09055		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08585		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1809		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-70757-A-1-D MSD
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09725		mg/Kg		97	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08164		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1716		mg/Kg		86	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09575		mg/Kg		96	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137157/1-A
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137157

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		04/07/26 18:08	04/10/26 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:08	04/10/26 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/07/26 18:08*	*04/10/26 02:31*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:08*	*04/10/26 02:31*	*1*

Lab Sample ID: LCS 880-137157/2-A
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	867.9		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-137157/3-A
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137157

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	840.6		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	873.5		mg/Kg		87	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-70614-1 MS
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: BH-1 (0-0.25)
Prep Type: Total/NA
Prep Batch: 137157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 F1	1000	743.9		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	71.0	F2 F1	1000	797.5		mg/Kg		73	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70614-1 MS
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: BH-1 (0-0.25)
Prep Type: Total/NA
Prep Batch: 137157

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-70614-1 MSD
Matrix: Solid
Analysis Batch: 137372

Client Sample ID: BH-1 (0-0.25)
Prep Type: Total/NA
Prep Batch: 137157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 F1	1000	605.1	F2 F1	mg/Kg		59	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	71.0	F2 F1	1000	556.1	F2 F1	mg/Kg		48	70 - 130	36	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: MB 880-137158/1-A
Matrix: Solid
Analysis Batch: 137369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137158

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		04/07/26 18:09	04/10/26 02:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 02:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:09	04/10/26 02:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/07/26 18:09	04/10/26 02:51	1
o-Terphenyl	109		70 - 130	04/07/26 18:09	04/10/26 02:51	1

Lab Sample ID: LCS 880-137158/2-A
Matrix: Solid
Analysis Batch: 137369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137158

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	868.1		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	126		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137158/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137369 — **Prep Batch: 137158**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	923.7		mg/Kg		92	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1196		mg/Kg		120	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 880-70614-21 MS — **Client Sample ID: BH-4 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137369 — **Prep Batch: 137158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	998	440.9	F1	mg/Kg		44	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	812.5		mg/Kg		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-70614-21 MSD — **Client Sample ID: BH-4 (2.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137369 — **Prep Batch: 137158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	998	676.4	F1 F2	mg/Kg		68	70 - 130	42	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	794.8		mg/Kg		80	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-137159/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137456 — **Prep Batch: 137159**

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		04/07/26 18:10	04/11/26 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:10	04/11/26 03:08	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137159/1-A
Matrix: Solid
Analysis Batch: 137456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137159

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	04/07/26 18:10	04/11/26 03:08	1
o-Terphenyl	150	S1+	70 - 130	04/07/26 18:10	04/11/26 03:08	1

Lab Sample ID: LCS 880-137159/2-A
Matrix: Solid
Analysis Batch: 137456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137159

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	996.9		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1188		mg/Kg		119	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-137159/3-A
Matrix: Solid
Analysis Batch: 137456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137159

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	6	20
Diesel Range Organics (Over C10-C28)			1000	1258		mg/Kg		126	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-70614-41 MS
Matrix: Solid
Analysis Batch: 137456

Client Sample ID: BH-7 (4.0')
Prep Type: Total/NA
Prep Batch: 137159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	723.1		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	996	847.4		mg/Kg		85	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70614-41 MSD — **Client Sample ID: BH-7 (4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137456 — **Prep Batch: 137159**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	769.8		mg/Kg		77	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	881.2		mg/Kg		88	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: MB 880-137926/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137945 — **Prep Batch: 137926**

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		04/16/26 05:18	04/16/26 06:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/26 05:18	04/16/26 06:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/26 05:18	04/16/26 06:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/16/26 05:18*	*04/16/26 06:46*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/16/26 05:18*	*04/16/26 06:46*	*1*

Lab Sample ID: LCS 880-137926/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137945 — **Prep Batch: 137926**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1002		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1211		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: LCSD 880-137926/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137945 — **Prep Batch: 137926**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	937.9		mg/Kg		94	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	1136		mg/Kg		114	70 - 130	6	20

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137926/3-A
Matrix: Solid
Analysis Batch: 137945

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137926

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-9781-A-1-B MS
Matrix: Solid
Analysis Batch: 137945

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	1000	598.4	F1	mg/Kg		60	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	727.6		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 890-9781-A-1-C MSD
Matrix: Solid
Analysis Batch: 137945

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137926

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	<50.1	U F1	1000	608.6	F1	mg/Kg		61	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	743.8		mg/Kg		74	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137121/1-A
Matrix: Solid
Analysis Batch: 137187

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/08/26 18:08	1

Lab Sample ID: LCS 880-137121/2-A
Matrix: Solid
Analysis Batch: 137187

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.5		mg/Kg		99	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-137121/3-A
Matrix: Solid
Analysis Batch: 137187

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	236.2		mg/Kg		94	90 - 110	4	20

Lab Sample ID: 880-70614-5 MS
Matrix: Solid
Analysis Batch: 137187

Client Sample ID: BH-1 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2300		2490	4544		mg/Kg		90	90 - 110		

Lab Sample ID: 880-70614-5 MSD
Matrix: Solid
Analysis Batch: 137187

Client Sample ID: BH-1 (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	2300		2490	4539		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-137128/1-A
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/08/26 21:12	1

Lab Sample ID: LCS 880-137128/2-A
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.7		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-137128/3-A
Matrix: Solid
Analysis Batch: 137189

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	232.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-70614-35 MS
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: BH-6 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	771		2510	3092		mg/Kg		93	90 - 110		

Lab Sample ID: 880-70614-35 MSD
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: BH-6 (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	771		2510	3092		mg/Kg		93	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-70614-45 MS
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: BH-8 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2820	F1	2500	4959	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-70614-45 MSD
Matrix: Solid
Analysis Batch: 137189

Client Sample ID: BH-8 (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	2820	F1	2500	4955	F1	mg/Kg		86	90 - 110	0	20

Lab Sample ID: MB 880-137131/1-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 00:15	1

Lab Sample ID: LCS 880-137131/2-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.6		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-137131/3-A
Matrix: Solid
Analysis Batch: 137194

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	233.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-70614-55 MS
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: BH-10 (0-0.25)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5010	F1	5020	10840	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-70614-55 MSD
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: BH-10 (0-0.25)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5010	F1	5020	10840	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: MB 880-137127/1-A
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/08/26 18:38	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-137127/2-A
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-137127/3-A
Matrix: Solid
Analysis Batch: 137195

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	242.1		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-70614-15 MS
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: BH-3 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	802		1250	2094		mg/Kg		103	90 - 110		

Lab Sample ID: 880-70614-15 MSD
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: BH-3 (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	802		1250	2090		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-70614-25 MS
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: BH-5 (0-0.25)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10400		4990	15930		mg/Kg		110	90 - 110		

Lab Sample ID: 880-70614-25 MSD
Matrix: Solid
Analysis Batch: 137195

Client Sample ID: BH-5 (0-0.25)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10400		4990	15740		mg/Kg		106	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 136858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-136858/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	5035	
880-70614-2	BH-1 (1.0')	Total/NA	Solid	5035	
880-70614-3	BH-1 (2.0')	Total/NA	Solid	5035	
880-70614-4	BH-1 (3.0')	Total/NA	Solid	5035	
880-70614-5	BH-1 (4.0')	Total/NA	Solid	5035	
880-70614-6	BH-1 (5.0')	Total/NA	Solid	5035	
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	5035	
880-70614-8	BH-2 (1.0')	Total/NA	Solid	5035	
880-70614-9	BH-2 (2.0')	Total/NA	Solid	5035	
880-70614-10	BH-2 (3.0')	Total/NA	Solid	5035	
880-70614-11	BH-2 (4.0')	Total/NA	Solid	5035	
MB 880-137197/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137197/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137197/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70614-1 MS	BH-1 (0-0.25)	Total/NA	Solid	5035	
880-70614-1 MSD	BH-1 (0-0.25)	Total/NA	Solid	5035	

Prep Batch: 137198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-21	BH-4 (2.0')	Total/NA	Solid	5035	
880-70614-22	BH-4 (3.0')	Total/NA	Solid	5035	
880-70614-23	BH-4 (4.0')	Total/NA	Solid	5035	
880-70614-24	BH-4 (5.0')	Total/NA	Solid	5035	
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	5035	
880-70614-26	BH-5 (1.0')	Total/NA	Solid	5035	
880-70614-27	BH-5 (2.0')	Total/NA	Solid	5035	
880-70614-28	BH-5 (3.0')	Total/NA	Solid	5035	
880-70614-29	BH-5 (4.0')	Total/NA	Solid	5035	
880-70614-30	BH-5 (5.0')	Total/NA	Solid	5035	
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	5035	
880-70614-32	BH-6 (1.0')	Total/NA	Solid	5035	
880-70614-33	BH-6 (2.0')	Total/NA	Solid	5035	
880-70614-34	BH-6 (3.0')	Total/NA	Solid	5035	
880-70614-35	BH-6 (4.0')	Total/NA	Solid	5035	
880-70614-36	BH-6 (5.0')	Total/NA	Solid	5035	
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	5035	
880-70614-38	BH-7 (1.0')	Total/NA	Solid	5035	
880-70614-39	BH-7 (2.0')	Total/NA	Solid	5035	
880-70614-40	BH-7 (3.0')	Total/NA	Solid	5035	
MB 880-137198/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137198/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137198/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70614-21 MS	BH-4 (2.0')	Total/NA	Solid	5035	
880-70614-21 MSD	BH-4 (2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-41	BH-7 (4.0')	Total/NA	Solid	5035	
880-70614-42	BH-7 (5.0')	Total/NA	Solid	5035	
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	5035	
880-70614-44	BH-8 (1.0')	Total/NA	Solid	5035	
880-70614-45	BH-8 (2.0')	Total/NA	Solid	5035	
880-70614-46	BH-8 (3.0')	Total/NA	Solid	5035	
880-70614-47	BH-8 (4.0')	Total/NA	Solid	5035	
880-70614-48	BH-8 (5.0')	Total/NA	Solid	5035	
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	5035	
880-70614-50	BH-9 (1.0')	Total/NA	Solid	5035	
880-70614-51	BH-9 (2.0')	Total/NA	Solid	5035	
880-70614-52	BH-9 (3.0')	Total/NA	Solid	5035	
880-70614-53	BH-9 (4.0')	Total/NA	Solid	5035	
880-70614-54	BH-9 (5.0')	Total/NA	Solid	5035	
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	5035	
880-70614-56	BH-10 (1.0')	Total/NA	Solid	5035	
880-70614-57	BH-10 (2.0')	Total/NA	Solid	5035	
880-70614-58	BH-10 (3.0')	Total/NA	Solid	5035	
880-70614-59	BH-10 (4.0')	Total/NA	Solid	5035	
880-70614-60	BH-10 (5.0')	Total/NA	Solid	5035	
MB 880-137199/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137199/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137199/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70614-41 MS	BH-7 (4.0')	Total/NA	Solid	5035	
880-70614-41 MSD	BH-7 (4.0')	Total/NA	Solid	5035	

Prep Batch: 137204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137204/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 137275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	8021B	137197
880-70614-2	BH-1 (1.0')	Total/NA	Solid	8021B	137197
880-70614-3	BH-1 (2.0')	Total/NA	Solid	8021B	137197
880-70614-4	BH-1 (3.0')	Total/NA	Solid	8021B	137197
880-70614-5	BH-1 (4.0')	Total/NA	Solid	8021B	137197
880-70614-6	BH-1 (5.0')	Total/NA	Solid	8021B	137197
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	8021B	137197
880-70614-8	BH-2 (1.0')	Total/NA	Solid	8021B	137197
880-70614-9	BH-2 (2.0')	Total/NA	Solid	8021B	137197
880-70614-10	BH-2 (3.0')	Total/NA	Solid	8021B	137197
880-70614-11	BH-2 (4.0')	Total/NA	Solid	8021B	137197
880-70614-21	BH-4 (2.0')	Total/NA	Solid	8021B	137198
880-70614-22	BH-4 (3.0')	Total/NA	Solid	8021B	137198
880-70614-23	BH-4 (4.0')	Total/NA	Solid	8021B	137198
880-70614-24	BH-4 (5.0')	Total/NA	Solid	8021B	137198
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	8021B	137198
880-70614-26	BH-5 (1.0')	Total/NA	Solid	8021B	137198
880-70614-27	BH-5 (2.0')	Total/NA	Solid	8021B	137198
880-70614-28	BH-5 (3.0')	Total/NA	Solid	8021B	137198

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 137275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-29	BH-5 (4.0')	Total/NA	Solid	8021B	137198
880-70614-30	BH-5 (5.0')	Total/NA	Solid	8021B	137198
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	8021B	137198
880-70614-32	BH-6 (1.0')	Total/NA	Solid	8021B	137198
880-70614-33	BH-6 (2.0')	Total/NA	Solid	8021B	137198
880-70614-34	BH-6 (3.0')	Total/NA	Solid	8021B	137198
880-70614-35	BH-6 (4.0')	Total/NA	Solid	8021B	137198
880-70614-36	BH-6 (5.0')	Total/NA	Solid	8021B	137198
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	8021B	137198
880-70614-38	BH-7 (1.0')	Total/NA	Solid	8021B	137198
880-70614-39	BH-7 (2.0')	Total/NA	Solid	8021B	137198
880-70614-40	BH-7 (3.0')	Total/NA	Solid	8021B	137198
MB 880-137197/5-A	Method Blank	Total/NA	Solid	8021B	137197
MB 880-137198/5-A	Method Blank	Total/NA	Solid	8021B	137198
LCS 880-137197/1-A	Lab Control Sample	Total/NA	Solid	8021B	137197
LCS 880-137198/1-A	Lab Control Sample	Total/NA	Solid	8021B	137198
LCSD 880-137197/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137197
LCSD 880-137198/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137198
880-70614-1 MS	BH-1 (0-0.25)	Total/NA	Solid	8021B	137197
880-70614-1 MSD	BH-1 (0-0.25)	Total/NA	Solid	8021B	137197
880-70614-21 MS	BH-4 (2.0')	Total/NA	Solid	8021B	137198
880-70614-21 MSD	BH-4 (2.0')	Total/NA	Solid	8021B	137198

Analysis Batch: 137276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-41	BH-7 (4.0')	Total/NA	Solid	8021B	137199
880-70614-42	BH-7 (5.0')	Total/NA	Solid	8021B	137199
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	8021B	137199
880-70614-44	BH-8 (1.0')	Total/NA	Solid	8021B	137199
880-70614-45	BH-8 (2.0')	Total/NA	Solid	8021B	137199
880-70614-46	BH-8 (3.0')	Total/NA	Solid	8021B	137199
880-70614-47	BH-8 (4.0')	Total/NA	Solid	8021B	137199
880-70614-48	BH-8 (5.0')	Total/NA	Solid	8021B	137199
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	8021B	137199
880-70614-50	BH-9 (1.0')	Total/NA	Solid	8021B	137199
880-70614-51	BH-9 (2.0')	Total/NA	Solid	8021B	137199
880-70614-52	BH-9 (3.0')	Total/NA	Solid	8021B	137199
880-70614-53	BH-9 (4.0')	Total/NA	Solid	8021B	137199
880-70614-54	BH-9 (5.0')	Total/NA	Solid	8021B	137199
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	8021B	137199
880-70614-56	BH-10 (1.0')	Total/NA	Solid	8021B	137199
880-70614-57	BH-10 (2.0')	Total/NA	Solid	8021B	137199
880-70614-58	BH-10 (3.0')	Total/NA	Solid	8021B	137199
880-70614-59	BH-10 (4.0')	Total/NA	Solid	8021B	137199
880-70614-60	BH-10 (5.0')	Total/NA	Solid	8021B	137199
MB 880-137199/5-A	Method Blank	Total/NA	Solid	8021B	137199
MB 880-137204/5-A	Method Blank	Total/NA	Solid	8021B	137204
LCS 880-137199/1-A	Lab Control Sample	Total/NA	Solid	8021B	137199
LCSD 880-137199/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137199
880-70614-41 MS	BH-7 (4.0')	Total/NA	Solid	8021B	137199
880-70614-41 MSD	BH-7 (4.0')	Total/NA	Solid	8021B	137199

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-17	BH-3 (4.0')	Total/NA	Solid	5035	
880-70614-18	BH-3 (5.0')	Total/NA	Solid	5035	
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	5035	
880-70614-20	BH-4 (1.0')	Total/NA	Solid	5035	
MB 880-137395/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137395/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137395/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9765-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9765-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-17	BH-3 (4.0')	Total/NA	Solid	8021B	137395
880-70614-18	BH-3 (5.0')	Total/NA	Solid	8021B	137395
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	8021B	137395
880-70614-20	BH-4 (1.0')	Total/NA	Solid	8021B	137395
MB 880-137395/5-A	Method Blank	Total/NA	Solid	8021B	137395
LCS 880-137395/1-A	Lab Control Sample	Total/NA	Solid	8021B	137395
LCSD 880-137395/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137395
890-9765-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	137395
890-9765-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137395

Analysis Batch: 137416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-2	BH-1 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-3	BH-1 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-4	BH-1 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-5	BH-1 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-6	BH-1 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-8	BH-2 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-9	BH-2 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-10	BH-2 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-11	BH-2 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-12	BH-2 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-14	BH-3 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-15	BH-3 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-16	BH-3 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-17	BH-3 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-18	BH-3 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-20	BH-4 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-21	BH-4 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-22	BH-4 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-23	BH-4 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-24	BH-4 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-26	BH-5 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-27	BH-5 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 137416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-28	BH-5 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-29	BH-5 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-30	BH-5 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-32	BH-6 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-33	BH-6 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-34	BH-6 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-35	BH-6 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-36	BH-6 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-38	BH-7 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-39	BH-7 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-40	BH-7 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-41	BH-7 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-42	BH-7 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-44	BH-8 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-45	BH-8 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-46	BH-8 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-47	BH-8 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-48	BH-8 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-50	BH-9 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-51	BH-9 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-52	BH-9 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-53	BH-9 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-54	BH-9 (5.0')	Total/NA	Solid	Total BTEX	
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	Total BTEX	
880-70614-56	BH-10 (1.0')	Total/NA	Solid	Total BTEX	
880-70614-57	BH-10 (2.0')	Total/NA	Solid	Total BTEX	
880-70614-58	BH-10 (3.0')	Total/NA	Solid	Total BTEX	
880-70614-59	BH-10 (4.0')	Total/NA	Solid	Total BTEX	
880-70614-60	BH-10 (5.0')	Total/NA	Solid	Total BTEX	

Prep Batch: 137511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	5035	
880-70614-14	BH-3 (1.0')	Total/NA	Solid	5035	
880-70614-15	BH-3 (2.0')	Total/NA	Solid	5035	
880-70614-16	BH-3 (3.0')	Total/NA	Solid	5035	
MB 880-137511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9767-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-9767-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	8021B	137511
880-70614-14	BH-3 (1.0')	Total/NA	Solid	8021B	137511
880-70614-15	BH-3 (2.0')	Total/NA	Solid	8021B	137511

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 137515 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-16	BH-3 (3.0')	Total/NA	Solid	8021B	137511
MB 880-137511/5-A	Method Blank	Total/NA	Solid	8021B	137511
LCS 880-137511/1-A	Lab Control Sample	Total/NA	Solid	8021B	137511
LCSD 880-137511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137511
890-9767-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137511
890-9767-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137511

Prep Batch: 137539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-12	BH-2 (5.0')	Total/NA	Solid	5035	
MB 880-137539/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137539/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137539/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70757-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-70757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-12	BH-2 (5.0')	Total/NA	Solid	8021B	137539
MB 880-136858/5-A	Method Blank	Total/NA	Solid	8021B	136858
MB 880-137539/5-A	Method Blank	Total/NA	Solid	8021B	137539
LCS 880-137539/1-A	Lab Control Sample	Total/NA	Solid	8021B	137539
LCSD 880-137539/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137539
880-70757-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	137539
880-70757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137539

GC Semi VOA

Prep Batch: 137157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-2	BH-1 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-3	BH-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-4	BH-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-5	BH-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-6	BH-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-8	BH-2 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-9	BH-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-10	BH-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-11	BH-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-12	BH-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-14	BH-3 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-15	BH-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-16	BH-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-17	BH-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-18	BH-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-20	BH-4 (1.0')	Total/NA	Solid	8015NM Prep	
MB 880-137157/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 137157 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-137157/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137157/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70614-1 MS	BH-1 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-1 MSD	BH-1 (0-0.25)	Total/NA	Solid	8015NM Prep	

Prep Batch: 137158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-21	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-22	BH-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-23	BH-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-24	BH-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-26	BH-5 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-27	BH-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-28	BH-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-29	BH-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-32	BH-6 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-33	BH-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-34	BH-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-35	BH-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-36	BH-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-38	BH-7 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-39	BH-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-40	BH-7 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-137158/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137158/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137158/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70614-21 MS	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-21 MSD	BH-4 (2.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 137159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-41	BH-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-42	BH-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-44	BH-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-45	BH-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-46	BH-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-47	BH-8 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-48	BH-8 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-50	BH-9 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-51	BH-9 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-52	BH-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-70614-53	BH-9 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-54	BH-9 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	8015NM Prep	
880-70614-56	BH-10 (1.0')	Total/NA	Solid	8015NM Prep	
880-70614-57	BH-10 (2.0')	Total/NA	Solid	8015NM Prep	
880-70614-58	BH-10 (3.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 137159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-59	BH-10 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-60	BH-10 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-137159/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137159/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137159/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70614-41 MS	BH-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-70614-41 MSD	BH-7 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-21	BH-4 (2.0')	Total/NA	Solid	8015B NM	137158
880-70614-22	BH-4 (3.0')	Total/NA	Solid	8015B NM	137158
880-70614-23	BH-4 (4.0')	Total/NA	Solid	8015B NM	137158
880-70614-24	BH-4 (5.0')	Total/NA	Solid	8015B NM	137158
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	8015B NM	137158
880-70614-26	BH-5 (1.0')	Total/NA	Solid	8015B NM	137158
880-70614-27	BH-5 (2.0')	Total/NA	Solid	8015B NM	137158
880-70614-28	BH-5 (3.0')	Total/NA	Solid	8015B NM	137158
880-70614-29	BH-5 (4.0')	Total/NA	Solid	8015B NM	137158
880-70614-32	BH-6 (1.0')	Total/NA	Solid	8015B NM	137158
880-70614-33	BH-6 (2.0')	Total/NA	Solid	8015B NM	137158
880-70614-34	BH-6 (3.0')	Total/NA	Solid	8015B NM	137158
880-70614-35	BH-6 (4.0')	Total/NA	Solid	8015B NM	137158
880-70614-36	BH-6 (5.0')	Total/NA	Solid	8015B NM	137158
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	8015B NM	137158
880-70614-38	BH-7 (1.0')	Total/NA	Solid	8015B NM	137158
880-70614-39	BH-7 (2.0')	Total/NA	Solid	8015B NM	137158
880-70614-40	BH-7 (3.0')	Total/NA	Solid	8015B NM	137158
MB 880-137158/1-A	Method Blank	Total/NA	Solid	8015B NM	137158
LCS 880-137158/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137158
LCSD 880-137158/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137158
880-70614-21 MS	BH-4 (2.0')	Total/NA	Solid	8015B NM	137158
880-70614-21 MSD	BH-4 (2.0')	Total/NA	Solid	8015B NM	137158

Analysis Batch: 137372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	8015B NM	137157
880-70614-2	BH-1 (1.0')	Total/NA	Solid	8015B NM	137157
880-70614-3	BH-1 (2.0')	Total/NA	Solid	8015B NM	137157
880-70614-4	BH-1 (3.0')	Total/NA	Solid	8015B NM	137157
880-70614-5	BH-1 (4.0')	Total/NA	Solid	8015B NM	137157
880-70614-6	BH-1 (5.0')	Total/NA	Solid	8015B NM	137157
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	8015B NM	137157
880-70614-8	BH-2 (1.0')	Total/NA	Solid	8015B NM	137157
880-70614-9	BH-2 (2.0')	Total/NA	Solid	8015B NM	137157
880-70614-10	BH-2 (3.0')	Total/NA	Solid	8015B NM	137157
880-70614-11	BH-2 (4.0')	Total/NA	Solid	8015B NM	137157
880-70614-12	BH-2 (5.0')	Total/NA	Solid	8015B NM	137157
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	8015B NM	137157
880-70614-14	BH-3 (1.0')	Total/NA	Solid	8015B NM	137157
880-70614-15	BH-3 (2.0')	Total/NA	Solid	8015B NM	137157

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-16	BH-3 (3.0')	Total/NA	Solid	8015B NM	137157
880-70614-17	BH-3 (4.0')	Total/NA	Solid	8015B NM	137157
880-70614-18	BH-3 (5.0')	Total/NA	Solid	8015B NM	137157
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	8015B NM	137157
880-70614-20	BH-4 (1.0')	Total/NA	Solid	8015B NM	137157
MB 880-137157/1-A	Method Blank	Total/NA	Solid	8015B NM	137157
LCS 880-137157/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137157
LCSD 880-137157/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137157
880-70614-1 MS	BH-1 (0-0.25)	Total/NA	Solid	8015B NM	137157
880-70614-1 MSD	BH-1 (0-0.25)	Total/NA	Solid	8015B NM	137157

Analysis Batch: 137456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-41	BH-7 (4.0')	Total/NA	Solid	8015B NM	137159
880-70614-42	BH-7 (5.0')	Total/NA	Solid	8015B NM	137159
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	8015B NM	137159
880-70614-44	BH-8 (1.0')	Total/NA	Solid	8015B NM	137159
880-70614-45	BH-8 (2.0')	Total/NA	Solid	8015B NM	137159
880-70614-46	BH-8 (3.0')	Total/NA	Solid	8015B NM	137159
880-70614-47	BH-8 (4.0')	Total/NA	Solid	8015B NM	137159
880-70614-48	BH-8 (5.0')	Total/NA	Solid	8015B NM	137159
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	8015B NM	137159
880-70614-50	BH-9 (1.0')	Total/NA	Solid	8015B NM	137159
880-70614-51	BH-9 (2.0')	Total/NA	Solid	8015B NM	137159
880-70614-52	BH-9 (3.0')	Total/NA	Solid	8015B NM	137159
880-70614-53	BH-9 (4.0')	Total/NA	Solid	8015B NM	137159
880-70614-54	BH-9 (5.0')	Total/NA	Solid	8015B NM	137159
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	8015B NM	137159
880-70614-56	BH-10 (1.0')	Total/NA	Solid	8015B NM	137159
880-70614-57	BH-10 (2.0')	Total/NA	Solid	8015B NM	137159
880-70614-58	BH-10 (3.0')	Total/NA	Solid	8015B NM	137159
880-70614-59	BH-10 (4.0')	Total/NA	Solid	8015B NM	137159
880-70614-60	BH-10 (5.0')	Total/NA	Solid	8015B NM	137159
MB 880-137159/1-A	Method Blank	Total/NA	Solid	8015B NM	137159
LCS 880-137159/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137159
LCSD 880-137159/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137159
880-70614-41 MS	BH-7 (4.0')	Total/NA	Solid	8015B NM	137159
880-70614-41 MSD	BH-7 (4.0')	Total/NA	Solid	8015B NM	137159

Analysis Batch: 137567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-2	BH-1 (1.0')	Total/NA	Solid	8015 NM	
880-70614-3	BH-1 (2.0')	Total/NA	Solid	8015 NM	
880-70614-4	BH-1 (3.0')	Total/NA	Solid	8015 NM	
880-70614-5	BH-1 (4.0')	Total/NA	Solid	8015 NM	
880-70614-6	BH-1 (5.0')	Total/NA	Solid	8015 NM	
880-70614-7	BH-2 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-8	BH-2 (1.0')	Total/NA	Solid	8015 NM	
880-70614-9	BH-2 (2.0')	Total/NA	Solid	8015 NM	
880-70614-10	BH-2 (3.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137567 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-11	BH-2 (4.0')	Total/NA	Solid	8015 NM	
880-70614-12	BH-2 (5.0')	Total/NA	Solid	8015 NM	
880-70614-13	BH-3 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-14	BH-3 (1.0')	Total/NA	Solid	8015 NM	
880-70614-15	BH-3 (2.0')	Total/NA	Solid	8015 NM	
880-70614-16	BH-3 (3.0')	Total/NA	Solid	8015 NM	
880-70614-17	BH-3 (4.0')	Total/NA	Solid	8015 NM	
880-70614-18	BH-3 (5.0')	Total/NA	Solid	8015 NM	
880-70614-19	BH-4 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-20	BH-4 (1.0')	Total/NA	Solid	8015 NM	
880-70614-21	BH-4 (2.0')	Total/NA	Solid	8015 NM	
880-70614-22	BH-4 (3.0')	Total/NA	Solid	8015 NM	
880-70614-23	BH-4 (4.0')	Total/NA	Solid	8015 NM	
880-70614-24	BH-4 (5.0')	Total/NA	Solid	8015 NM	
880-70614-25	BH-5 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-26	BH-5 (1.0')	Total/NA	Solid	8015 NM	
880-70614-27	BH-5 (2.0')	Total/NA	Solid	8015 NM	
880-70614-28	BH-5 (3.0')	Total/NA	Solid	8015 NM	
880-70614-29	BH-5 (4.0')	Total/NA	Solid	8015 NM	
880-70614-30	BH-5 (5.0')	Total/NA	Solid	8015 NM	
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-32	BH-6 (1.0')	Total/NA	Solid	8015 NM	
880-70614-33	BH-6 (2.0')	Total/NA	Solid	8015 NM	
880-70614-34	BH-6 (3.0')	Total/NA	Solid	8015 NM	
880-70614-35	BH-6 (4.0')	Total/NA	Solid	8015 NM	
880-70614-36	BH-6 (5.0')	Total/NA	Solid	8015 NM	
880-70614-37	BH-7 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-38	BH-7 (1.0')	Total/NA	Solid	8015 NM	
880-70614-39	BH-7 (2.0')	Total/NA	Solid	8015 NM	
880-70614-40	BH-7 (3.0')	Total/NA	Solid	8015 NM	
880-70614-41	BH-7 (4.0')	Total/NA	Solid	8015 NM	
880-70614-42	BH-7 (5.0')	Total/NA	Solid	8015 NM	
880-70614-43	BH-8 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-44	BH-8 (1.0')	Total/NA	Solid	8015 NM	
880-70614-45	BH-8 (2.0')	Total/NA	Solid	8015 NM	
880-70614-46	BH-8 (3.0')	Total/NA	Solid	8015 NM	
880-70614-47	BH-8 (4.0')	Total/NA	Solid	8015 NM	
880-70614-48	BH-8 (5.0')	Total/NA	Solid	8015 NM	
880-70614-49	BH-9 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-50	BH-9 (1.0')	Total/NA	Solid	8015 NM	
880-70614-51	BH-9 (2.0')	Total/NA	Solid	8015 NM	
880-70614-52	BH-9 (3.0')	Total/NA	Solid	8015 NM	
880-70614-53	BH-9 (4.0')	Total/NA	Solid	8015 NM	
880-70614-54	BH-9 (5.0')	Total/NA	Solid	8015 NM	
880-70614-55	BH-10 (0-0.25)	Total/NA	Solid	8015 NM	
880-70614-56	BH-10 (1.0')	Total/NA	Solid	8015 NM	
880-70614-57	BH-10 (2.0')	Total/NA	Solid	8015 NM	
880-70614-58	BH-10 (3.0')	Total/NA	Solid	8015 NM	
880-70614-59	BH-10 (4.0')	Total/NA	Solid	8015 NM	
880-70614-60	BH-10 (5.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

GC Semi VOA

Prep Batch: 137926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-30	BH-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	8015NM Prep	
MB 880-137926/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137926/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9781-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-9781-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-30	BH-5 (5.0')	Total/NA	Solid	8015B NM	137926
880-70614-31	BH-6 (0-0.25)	Total/NA	Solid	8015B NM	137926
MB 880-137926/1-A	Method Blank	Total/NA	Solid	8015B NM	137926
LCS 880-137926/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137926
LCSD 880-137926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137926
890-9781-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	137926
890-9781-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137926

HPLC/IC

Leach Batch: 137121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-2	BH-1 (1.0')	Soluble	Solid	DI Leach	
880-70614-3	BH-1 (2.0')	Soluble	Solid	DI Leach	
880-70614-4	BH-1 (3.0')	Soluble	Solid	DI Leach	
880-70614-5	BH-1 (4.0')	Soluble	Solid	DI Leach	
880-70614-6	BH-1 (5.0')	Soluble	Solid	DI Leach	
880-70614-7	BH-2 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-8	BH-2 (1.0')	Soluble	Solid	DI Leach	
880-70614-9	BH-2 (2.0')	Soluble	Solid	DI Leach	
880-70614-10	BH-2 (3.0')	Soluble	Solid	DI Leach	
880-70614-11	BH-2 (4.0')	Soluble	Solid	DI Leach	
880-70614-12	BH-2 (5.0')	Soluble	Solid	DI Leach	
880-70614-13	BH-3 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-14	BH-3 (1.0')	Soluble	Solid	DI Leach	
MB 880-137121/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137121/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137121/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70614-5 MS	BH-1 (4.0')	Soluble	Solid	DI Leach	
880-70614-5 MSD	BH-1 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 137127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-15	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-70614-16	BH-3 (3.0')	Soluble	Solid	DI Leach	
880-70614-17	BH-3 (4.0')	Soluble	Solid	DI Leach	
880-70614-18	BH-3 (5.0')	Soluble	Solid	DI Leach	
880-70614-19	BH-4 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-20	BH-4 (1.0')	Soluble	Solid	DI Leach	
880-70614-21	BH-4 (2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 137127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-22	BH-4 (3.0')	Soluble	Solid	DI Leach	
880-70614-23	BH-4 (4.0')	Soluble	Solid	DI Leach	
880-70614-24	BH-4 (5.0')	Soluble	Solid	DI Leach	
880-70614-25	BH-5 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-26	BH-5 (1.0')	Soluble	Solid	DI Leach	
880-70614-27	BH-5 (2.0')	Soluble	Solid	DI Leach	
880-70614-28	BH-5 (3.0')	Soluble	Solid	DI Leach	
880-70614-29	BH-5 (4.0')	Soluble	Solid	DI Leach	
880-70614-30	BH-5 (5.0')	Soluble	Solid	DI Leach	
880-70614-31	BH-6 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-32	BH-6 (1.0')	Soluble	Solid	DI Leach	
880-70614-33	BH-6 (2.0')	Soluble	Solid	DI Leach	
880-70614-34	BH-6 (3.0')	Soluble	Solid	DI Leach	
MB 880-137127/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137127/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137127/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70614-15 MS	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-70614-15 MSD	BH-3 (2.0')	Soluble	Solid	DI Leach	
880-70614-25 MS	BH-5 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-25 MSD	BH-5 (0-0.25)	Soluble	Solid	DI Leach	

Leach Batch: 137128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-35	BH-6 (4.0')	Soluble	Solid	DI Leach	
880-70614-36	BH-6 (5.0')	Soluble	Solid	DI Leach	
880-70614-37	BH-7 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-38	BH-7 (1.0')	Soluble	Solid	DI Leach	
880-70614-39	BH-7 (2.0')	Soluble	Solid	DI Leach	
880-70614-40	BH-7 (3.0')	Soluble	Solid	DI Leach	
880-70614-41	BH-7 (4.0')	Soluble	Solid	DI Leach	
880-70614-42	BH-7 (5.0')	Soluble	Solid	DI Leach	
880-70614-43	BH-8 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-44	BH-8 (1.0')	Soluble	Solid	DI Leach	
880-70614-45	BH-8 (2.0')	Soluble	Solid	DI Leach	
880-70614-46	BH-8 (3.0')	Soluble	Solid	DI Leach	
880-70614-47	BH-8 (4.0')	Soluble	Solid	DI Leach	
880-70614-48	BH-8 (5.0')	Soluble	Solid	DI Leach	
880-70614-49	BH-9 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-50	BH-9 (1.0')	Soluble	Solid	DI Leach	
880-70614-51	BH-9 (2.0')	Soluble	Solid	DI Leach	
880-70614-52	BH-9 (3.0')	Soluble	Solid	DI Leach	
880-70614-53	BH-9 (4.0')	Soluble	Solid	DI Leach	
880-70614-54	BH-9 (5.0')	Soluble	Solid	DI Leach	
MB 880-137128/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137128/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137128/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70614-35 MS	BH-6 (4.0')	Soluble	Solid	DI Leach	
880-70614-35 MSD	BH-6 (4.0')	Soluble	Solid	DI Leach	
880-70614-45 MS	BH-8 (2.0')	Soluble	Solid	DI Leach	
880-70614-45 MSD	BH-8 (2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

HPLC/IC

Leach Batch: 137131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-55	BH-10 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-56	BH-10 (1.0')	Soluble	Solid	DI Leach	
880-70614-57	BH-10 (2.0')	Soluble	Solid	DI Leach	
880-70614-58	BH-10 (3.0')	Soluble	Solid	DI Leach	
880-70614-59	BH-10 (4.0')	Soluble	Solid	DI Leach	
880-70614-60	BH-10 (5.0')	Soluble	Solid	DI Leach	
MB 880-137131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70614-55 MS	BH-10 (0-0.25)	Soluble	Solid	DI Leach	
880-70614-55 MSD	BH-10 (0-0.25)	Soluble	Solid	DI Leach	

Analysis Batch: 137187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-1	BH-1 (0-0.25)	Soluble	Solid	300.0	137121
880-70614-2	BH-1 (1.0')	Soluble	Solid	300.0	137121
880-70614-3	BH-1 (2.0')	Soluble	Solid	300.0	137121
880-70614-4	BH-1 (3.0')	Soluble	Solid	300.0	137121
880-70614-5	BH-1 (4.0')	Soluble	Solid	300.0	137121
880-70614-6	BH-1 (5.0')	Soluble	Solid	300.0	137121
880-70614-7	BH-2 (0-0.25)	Soluble	Solid	300.0	137121
880-70614-8	BH-2 (1.0')	Soluble	Solid	300.0	137121
880-70614-9	BH-2 (2.0')	Soluble	Solid	300.0	137121
880-70614-10	BH-2 (3.0')	Soluble	Solid	300.0	137121
880-70614-11	BH-2 (4.0')	Soluble	Solid	300.0	137121
880-70614-12	BH-2 (5.0')	Soluble	Solid	300.0	137121
880-70614-13	BH-3 (0-0.25)	Soluble	Solid	300.0	137121
880-70614-14	BH-3 (1.0')	Soluble	Solid	300.0	137121
MB 880-137121/1-A	Method Blank	Soluble	Solid	300.0	137121
LCS 880-137121/2-A	Lab Control Sample	Soluble	Solid	300.0	137121
LCSD 880-137121/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137121
880-70614-5 MS	BH-1 (4.0')	Soluble	Solid	300.0	137121
880-70614-5 MSD	BH-1 (4.0')	Soluble	Solid	300.0	137121

Analysis Batch: 137189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-35	BH-6 (4.0')	Soluble	Solid	300.0	137128
880-70614-36	BH-6 (5.0')	Soluble	Solid	300.0	137128
880-70614-37	BH-7 (0-0.25)	Soluble	Solid	300.0	137128
880-70614-38	BH-7 (1.0')	Soluble	Solid	300.0	137128
880-70614-39	BH-7 (2.0')	Soluble	Solid	300.0	137128
880-70614-40	BH-7 (3.0')	Soluble	Solid	300.0	137128
880-70614-41	BH-7 (4.0')	Soluble	Solid	300.0	137128
880-70614-42	BH-7 (5.0')	Soluble	Solid	300.0	137128
880-70614-43	BH-8 (0-0.25)	Soluble	Solid	300.0	137128
880-70614-44	BH-8 (1.0')	Soluble	Solid	300.0	137128
880-70614-45	BH-8 (2.0')	Soluble	Solid	300.0	137128
880-70614-46	BH-8 (3.0')	Soluble	Solid	300.0	137128
880-70614-47	BH-8 (4.0')	Soluble	Solid	300.0	137128
880-70614-48	BH-8 (5.0')	Soluble	Solid	300.0	137128
880-70614-49	BH-9 (0-0.25)	Soluble	Solid	300.0	137128

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 137189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-50	BH-9 (1.0')	Soluble	Solid	300.0	137128
880-70614-51	BH-9 (2.0')	Soluble	Solid	300.0	137128
880-70614-52	BH-9 (3.0')	Soluble	Solid	300.0	137128
880-70614-53	BH-9 (4.0')	Soluble	Solid	300.0	137128
880-70614-54	BH-9 (5.0')	Soluble	Solid	300.0	137128
MB 880-137128/1-A	Method Blank	Soluble	Solid	300.0	137128
LCS 880-137128/2-A	Lab Control Sample	Soluble	Solid	300.0	137128
LCSD 880-137128/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137128
880-70614-35 MS	BH-6 (4.0')	Soluble	Solid	300.0	137128
880-70614-35 MSD	BH-6 (4.0')	Soluble	Solid	300.0	137128
880-70614-45 MS	BH-8 (2.0')	Soluble	Solid	300.0	137128
880-70614-45 MSD	BH-8 (2.0')	Soluble	Solid	300.0	137128

Analysis Batch: 137194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-55	BH-10 (0-0.25)	Soluble	Solid	300.0	137131
880-70614-56	BH-10 (1.0')	Soluble	Solid	300.0	137131
880-70614-57	BH-10 (2.0')	Soluble	Solid	300.0	137131
880-70614-58	BH-10 (3.0')	Soluble	Solid	300.0	137131
880-70614-59	BH-10 (4.0')	Soluble	Solid	300.0	137131
880-70614-60	BH-10 (5.0')	Soluble	Solid	300.0	137131
MB 880-137131/1-A	Method Blank	Soluble	Solid	300.0	137131
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	300.0	137131
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137131
880-70614-55 MS	BH-10 (0-0.25)	Soluble	Solid	300.0	137131
880-70614-55 MSD	BH-10 (0-0.25)	Soluble	Solid	300.0	137131

Analysis Batch: 137195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70614-15	BH-3 (2.0')	Soluble	Solid	300.0	137127
880-70614-16	BH-3 (3.0')	Soluble	Solid	300.0	137127
880-70614-17	BH-3 (4.0')	Soluble	Solid	300.0	137127
880-70614-18	BH-3 (5.0')	Soluble	Solid	300.0	137127
880-70614-19	BH-4 (0-0.25)	Soluble	Solid	300.0	137127
880-70614-20	BH-4 (1.0')	Soluble	Solid	300.0	137127
880-70614-21	BH-4 (2.0')	Soluble	Solid	300.0	137127
880-70614-22	BH-4 (3.0')	Soluble	Solid	300.0	137127
880-70614-23	BH-4 (4.0')	Soluble	Solid	300.0	137127
880-70614-24	BH-4 (5.0')	Soluble	Solid	300.0	137127
880-70614-25	BH-5 (0-0.25)	Soluble	Solid	300.0	137127
880-70614-26	BH-5 (1.0')	Soluble	Solid	300.0	137127
880-70614-27	BH-5 (2.0')	Soluble	Solid	300.0	137127
880-70614-28	BH-5 (3.0')	Soluble	Solid	300.0	137127
880-70614-29	BH-5 (4.0')	Soluble	Solid	300.0	137127
880-70614-30	BH-5 (5.0')	Soluble	Solid	300.0	137127
880-70614-31	BH-6 (0-0.25)	Soluble	Solid	300.0	137127
880-70614-32	BH-6 (1.0')	Soluble	Solid	300.0	137127
880-70614-33	BH-6 (2.0')	Soluble	Solid	300.0	137127
880-70614-34	BH-6 (3.0')	Soluble	Solid	300.0	137127
MB 880-137127/1-A	Method Blank	Soluble	Solid	300.0	137127
LCS 880-137127/2-A	Lab Control Sample	Soluble	Solid	300.0	137127

QC Association Summary

Client: Carmona Resources
Job ID: 880-70614-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 137195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-137127/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137127
880-70614-15 MS	BH-3 (2.0')	Soluble	Solid	300.0	137127
880-70614-15 MSD	BH-3 (2.0')	Soluble	Solid	300.0	137127
880-70614-25 MS	BH-5 (0-0.25)	Soluble	Solid	300.0	137127
880-70614-25 MSD	BH-5 (0-0.25)	Soluble	Solid	300.0	137127

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (0-0.25)

Lab Sample ID: 880-70614-1
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 23:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 23:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 03:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 03:52	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 19:17	CS	EET MID

Client Sample ID: BH-1 (1.0')

Lab Sample ID: 880-70614-2
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 23:59	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 23:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 04:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 04:54	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137187	04/08/26 19:22	CS	EET MID

Client Sample ID: BH-1 (2.0')

Lab Sample ID: 880-70614-3
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 00:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 00:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 05:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 05:14	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137187	04/08/26 19:27	CS	EET MID

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-70614-4
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 00:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 00:40	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (3.0')

Lab Sample ID: 880-70614-4
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/10/26 05:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 05:34	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 19:32	CS	EET MID

Client Sample ID: BH-1 (4.0')

Lab Sample ID: 880-70614-5
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 01:01	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 01:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 05:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 05:54	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 19:38	CS	EET MID

Client Sample ID: BH-1 (5.0')

Lab Sample ID: 880-70614-6
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 01:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 01:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 06:15	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 19:53	CS	EET MID

Client Sample ID: BH-2 (0-0.25)

Lab Sample ID: 880-70614-7
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 01:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 01:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 06:36	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (0-0.25)

Lab Sample ID: 880-70614-7
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 19:59	CS	EET MID

Client Sample ID: BH-2 (1.0')

Lab Sample ID: 880-70614-8
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 02:02	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 02:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 06:56	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137187	04/08/26 20:14	CS	EET MID

Client Sample ID: BH-2 (2.0')

Lab Sample ID: 880-70614-9
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 02:23	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 02:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 07:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 07:16	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 20:20	CS	EET MID

Client Sample ID: BH-2 (3.0')

Lab Sample ID: 880-70614-10
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 02:44	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 02:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 07:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 07:37	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 20:25	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (4.0')

Lab Sample ID: 880-70614-11
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137197	04/08/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/10/26 04:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 04:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 08:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 08:18	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 20:30	CS	EET MID

Client Sample ID: BH-2 (5.0')

Lab Sample ID: 880-70614-12
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137539	04/13/26 11:03	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137626	04/15/26 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/15/26 02:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 08:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 08:38	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137187	04/08/26 20:35	CS	EET MID

Client Sample ID: BH-3 (0-0.25)

Lab Sample ID: 880-70614-13
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137511	04/13/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137515	04/13/26 14:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/13/26 14:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 08:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 08:58	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	137187	04/08/26 20:41	CS	EET MID

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-70614-14
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137511	04/13/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137515	04/13/26 15:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/13/26 15:19	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (1.0')

Lab Sample ID: 880-70614-14
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/10/26 09:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 09:18	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137121	04/07/26 15:07	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137187	04/08/26 20:46	CS	EET MID

Client Sample ID: BH-3 (2.0')

Lab Sample ID: 880-70614-15
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137511	04/13/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137515	04/13/26 15:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/13/26 15:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 09:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 09:38	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 18:54	CS	EET MID

Client Sample ID: BH-3 (3.0')

Lab Sample ID: 880-70614-16
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137511	04/13/26 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137515	04/13/26 17:13	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/13/26 17:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 09:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 09:59	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 19:10	CS	EET MID

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-70614-17
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137395	04/10/26 09:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137407	04/10/26 17:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 17:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 10:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 10:20	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (4.0')

Lab Sample ID: 880-70614-17

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:15	CS	EET MID

Client Sample ID: BH-3 (5.0')

Lab Sample ID: 880-70614-18

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137395	04/10/26 09:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137407	04/10/26 18:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 18:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 10:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 10:40	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:20	CS	EET MID

Client Sample ID: BH-4 (0-0.25)

Lab Sample ID: 880-70614-19

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137395	04/10/26 09:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137407	04/10/26 18:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 18:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 11:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 11:00	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	137195	04/08/26 19:26	CS	EET MID

Client Sample ID: BH-4 (1.0')

Lab Sample ID: 880-70614-20

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137395	04/10/26 09:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137407	04/10/26 19:00	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 19:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 11:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137157	04/07/26 18:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137372	04/10/26 11:21	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:41	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (2.0')

Lab Sample ID: 880-70614-21
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 12:37	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 12:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 03:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 03:52	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:47	CS	EET MID

Client Sample ID: BH-4 (3.0')

Lab Sample ID: 880-70614-22
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 12:57	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 12:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 04:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 04:54	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:52	CS	EET MID

Client Sample ID: BH-4 (4.0')

Lab Sample ID: 880-70614-23
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 13:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 13:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 05:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 05:14	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 19:57	CS	EET MID

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-70614-24
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 13:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 13:38	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (5.0')

Lab Sample ID: 880-70614-24
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/10/26 05:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 05:34	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137195	04/08/26 20:02	CS	EET MID

Client Sample ID: BH-5 (0-0.25)

Lab Sample ID: 880-70614-25
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 13:59	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 05:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 05:54	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	137195	04/08/26 20:08	CS	EET MID

Client Sample ID: BH-5 (1.0')

Lab Sample ID: 880-70614-26
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 14:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 06:15	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 20:23	CS	EET MID

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-70614-27
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 14:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 06:36	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (2.0')

Lab Sample ID: 880-70614-27
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 20:28	CS	EET MID

Client Sample ID: BH-5 (3.0')

Lab Sample ID: 880-70614-28
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 15:01	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 15:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 06:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 06:56	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 20:44	CS	EET MID

Client Sample ID: BH-5 (4.0')

Lab Sample ID: 880-70614-29
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 15:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 15:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 07:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 07:16	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 20:49	CS	EET MID

Client Sample ID: BH-5 (5.0')

Lab Sample ID: 880-70614-30
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 15:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 15:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/16/26 10:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137926	04/16/26 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137945	04/16/26 10:29	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 20:55	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (0-0.25)

Lab Sample ID: 880-70614-31
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 17:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 17:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/16/26 10:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137926	04/16/26 07:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137945	04/16/26 10:43	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 21:00	CS	EET MID

Client Sample ID: BH-6 (1.0')

Lab Sample ID: 880-70614-32
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 17:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 17:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 08:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 08:38	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 21:05	CS	EET MID

Client Sample ID: BH-6 (2.0')

Lab Sample ID: 880-70614-33
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 17:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 17:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 08:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 08:58	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 21:10	CS	EET MID

Client Sample ID: BH-6 (3.0')

Lab Sample ID: 880-70614-34
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 18:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 18:19	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (3.0')

Lab Sample ID: 880-70614-34
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/10/26 09:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 09:18	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137127	04/07/26 15:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137195	04/08/26 21:16	CS	EET MID

Client Sample ID: BH-6 (4.0')

Lab Sample ID: 880-70614-35
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 18:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 18:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 09:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 09:38	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 21:28	CS	EET MID

Client Sample ID: BH-6 (5.0')

Lab Sample ID: 880-70614-36
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 19:00	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 19:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 09:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 09:59	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 21:43	CS	EET MID

Client Sample ID: BH-7 (0-0.25)

Lab Sample ID: 880-70614-37
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 19:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 19:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 10:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 10:20	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (0-0.25)

Lab Sample ID: 880-70614-37
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

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	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	137189	04/08/26 21:49	CS	EET MID

Client Sample ID: BH-7 (1.0')

Lab Sample ID: 880-70614-38
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 19:41	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 19:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 10:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 10:40	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 21:54	CS	EET MID

Client Sample ID: BH-7 (2.0')

Lab Sample ID: 880-70614-39
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 20:01	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 20:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 11:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 11:00	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 21:59	CS	EET MID

Client Sample ID: BH-7 (3.0')

Lab Sample ID: 880-70614-40
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137198	04/08/26 10:52	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137275	04/09/26 20:22	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/09/26 20:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/10/26 11:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137158	04/07/26 18:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137369	04/10/26 11:21	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 22:15	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (4.0')

Lab Sample ID: 880-70614-41
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 02:22	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 02:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 04:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 04:09	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 22:20	CS	EET MID

Client Sample ID: BH-7 (5.0')

Lab Sample ID: 880-70614-42
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 02:43	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 02:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 05:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 05:10	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 22:25	CS	EET MID

Client Sample ID: BH-8 (0-0.25)

Lab Sample ID: 880-70614-43
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 03:03	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 03:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 05:31	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 05:31	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	137189	04/08/26 22:31	CS	EET MID

Client Sample ID: BH-8 (1.0')

Lab Sample ID: 880-70614-44
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 03:24	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 03:24	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (1.0')

Lab Sample ID: 880-70614-44
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/11/26 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 05:51	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	137189	04/08/26 22:36	CS	EET MID

Client Sample ID: BH-8 (2.0')

Lab Sample ID: 880-70614-45
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 03:44	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 03:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 06:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 06:12	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 22:41	CS	EET MID

Client Sample ID: BH-8 (3.0')

Lab Sample ID: 880-70614-46
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 04:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 04:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 06:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 06:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137189	04/08/26 22:57	CS	EET MID

Client Sample ID: BH-8 (4.0')

Lab Sample ID: 880-70614-47
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 04:25	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 04:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 06:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 06:53	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (4.0')

Lab Sample ID: 880-70614-47

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:02	CS	EET MID

Client Sample ID: BH-8 (5.0')

Lab Sample ID: 880-70614-48

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 04:45	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 04:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 07:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 07:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:18	CS	EET MID

Client Sample ID: BH-9 (0-0.25)

Lab Sample ID: 880-70614-49

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 05:06	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 05:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 07:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 07:34	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:23	CS	EET MID

Client Sample ID: BH-9 (1.0')

Lab Sample ID: 880-70614-50

Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 05:26	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 05:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 07:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 07:54	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:28	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (2.0')

Lab Sample ID: 880-70614-51
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 07:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 07:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 08:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 08:36	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:33	CS	EET MID

Client Sample ID: BH-9 (3.0')

Lab Sample ID: 880-70614-52
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 07:37	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 07:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 08:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 08:56	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:39	CS	EET MID

Client Sample ID: BH-9 (4.0')

Lab Sample ID: 880-70614-53
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 07:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 07:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 09:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 09:16	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:44	CS	EET MID

Client Sample ID: BH-9 (5.0')

Lab Sample ID: 880-70614-54
Matrix: Solid
Date Collected: 04/06/26 00:00
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 08:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 08:18	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (5.0')

Lab Sample ID: 880-70614-54
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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			137567	04/11/26 09:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 09:37	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137128	04/07/26 15:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137189	04/08/26 23:49	CS	EET MID

Client Sample ID: BH-10 (0-0.25)

Lab Sample ID: 880-70614-55
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 08:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 08:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 09:57	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 09:57	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	137194	04/09/26 00:31	CS	EET MID

Client Sample ID: BH-10 (1.0')

Lab Sample ID: 880-70614-56
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 08:59	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 08:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 10:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 10:17	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137194	04/09/26 00:47	CS	EET MID

Client Sample ID: BH-10 (2.0')

Lab Sample ID: 880-70614-57
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 09:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 09:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 10:37	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 10:37	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (2.0')

Lab Sample ID: 880-70614-57
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

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	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 00:52	CS	EET MID

Client Sample ID: BH-10 (3.0')

Lab Sample ID: 880-70614-58
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 09:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 09:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 10:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 10:58	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137194	04/09/26 00:57	CS	EET MID

Client Sample ID: BH-10 (4.0')

Lab Sample ID: 880-70614-59
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 10:00	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 10:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 11:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 11:19	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137194	04/09/26 01:03	CS	EET MID

Client Sample ID: BH-10 (5.0')

Lab Sample ID: 880-70614-60
Date Collected: 04/06/26 00:00
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137199	04/08/26 10:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/10/26 10:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137416	04/10/26 10:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			137567	04/11/26 11:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137159	04/07/26 18:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137456	04/11/26 11:39	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 01:18	CS	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70614-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70614-1	BH-1 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-2	BH-1 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-3	BH-1 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-4	BH-1 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-5	BH-1 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-6	BH-1 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-7	BH-2 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-8	BH-2 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-9	BH-2 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-10	BH-2 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-11	BH-2 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-12	BH-2 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-13	BH-3 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-14	BH-3 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-15	BH-3 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-16	BH-3 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-17	BH-3 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-18	BH-3 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-19	BH-4 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-20	BH-4 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-21	BH-4 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-22	BH-4 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-23	BH-4 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-24	BH-4 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-25	BH-5 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-26	BH-5 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-27	BH-5 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-28	BH-5 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-29	BH-5 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-30	BH-5 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-31	BH-6 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-32	BH-6 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-33	BH-6 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-34	BH-6 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-35	BH-6 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-36	BH-6 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-37	BH-7 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-38	BH-7 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-39	BH-7 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-40	BH-7 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-41	BH-7 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-42	BH-7 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-43	BH-8 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-44	BH-8 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-45	BH-8 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-46	BH-8 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-47	BH-8 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-48	BH-8 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-49	BH-9 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-50	BH-9 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-51	BH-9 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-52	BH-9 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-53	BH-9 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70614-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70614-54	BH-9 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-55	BH-10 (0-0.25)	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-56	BH-10 (1.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-57	BH-10 (2.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-58	BH-10 (3.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-59	BH-10 (4.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas
880-70614-60	BH-10 (5.0')	Solid	04/06/26 00:00	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70614 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213		
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.3
Total Containers:		Corrected Temperature:	-4.5

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-1 (0-0.25')	4/6/2026	9:30	X		G	1		X	X	X	
BH-1 (1.0')	4/6/2026	9:31	X		G	1		X	X	X	
BH-1 (2.0')	4/6/2026	9:32	X		G	1		X	X	X	
BH-1 (3.0')	4/6/2026	9:33	X		G	1		X	X	X	
BH-1 (4.0')	4/6/2026	9:34	X		G	1		X	X	X	
BH-1 (5.0')	4/6/2026	9:35	X		G	1		X	X	X	
BH-2 (0-0.25')	4/6/2026	9:45	X		G	1		X	X	X	
BH-2 (1.0')	4/6/2026	9:46	X		G	1		X	X	X	
BH-2 (2.0')	4/6/2026	9:47	X		G	1		X	X	X	
BH-2 (3.0')	4/6/2026	9:48	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	**Turn Around**	
Project Number:	3213	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-2 (4.0')	4/6/2026	9:49	X		G	1		X	X	X	
BH-2 (5.0')	4/6/2026	9:50	X		G	1		X	X	X	
BH-3 (0-0.25')	4/6/2026	10:05	X		G	1		X	X	X	
BH-3 (1.0')	4/6/2026	10:06	X		G	1		X	X	X	
BH-3 (2.0')	4/6/2026	10:07	X		G	1		X	X	X	
BH-3 (3.0')	4/6/2026	10:08	X		G	1		X	X	X	
BH-3 (4.0')	4/6/2026	10:09	X		G	1		X	X	X	
BH-3 (5.0')	4/6/2026	10:10	X		G	1		X	X	X	
BH-4 (0-0.25')	4/6/2026	10:25	X		G	1		X	X	X	
BH-4 (1.0')	4/6/2026	10:26	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Erin	4.7.26 1117

Page 197 of 593

Chain of Custody

Work Order No: _____

4/16/2026

Page 3 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-4 (2.0')	4/6/2026	10:27	X		G	1		X	X	X	
BH-4 (3.0')	4/6/2026	10:28	X		G	1		X	X	X	
BH-4 (4.0')	4/6/2026	10:29	X		G	1		X	X	X	
BH-4 (5.0')	4/6/2026	10:30	X		G	1		X	X	X	
BH-5 (0-0.25')	4/6/2026	10:45	X		G	1		X	X	X	
BH-5 (1.0')	4/6/2026	10:46	X		G	1		X	X	X	
BH-5 (2.0')	4/6/2026	10:47	X		G	1		X	X	X	
BH-5 (3.0')	4/6/2026	10:48	X		G	1		X	X	X	
BH-5 (4.0')	4/6/2026	10:49	X		G	1		X	X	X	
BH-5 (5.0')	4/6/2026	10:50	X		G	1		X	X	X	

ANALYSIS REQUEST

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Page 116 of 120

Received by OCD: 4/20/2026 10:57:46 AM

Released to Imaging: 5/22/2026 8:29:06 AM

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-6 (0-0.25')	4/6/2026	11:05	X		G	1		X	X	X	
BH-6 (1.0')	4/6/2026	11:06	X		G	1		X	X	X	
BH-6 (2.0')	4/6/2026	11:07	X		G	1		X	X	X	
BH-6 (3.0')	4/6/2026	11:08	X		G	1		X	X	X	
BH-6 (4.0')	4/6/2026	11:09	X		G	1		X	X	X	
BH-6 (5.0')	4/6/2026	11:10	X		G	1		X	X	X	
BH-7 (0-0.25')	4/6/2026	11:30	X		G	1		X	X	X	
BH-7 (1.0')	4/6/2026	11:31	X		G	1		X	X	X	
BH-7 (2.0')	4/6/2026	11:32	X		G	1		X	X	X	
BH-7 (3.0')	4/6/2026	11:33	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4.7.26 1117

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-7 (4.0')	4/6/2026	11:34	X		G	1		X	X	X	
BH-7 (5.0')	4/6/2026	11:35	X		G	1		X	X	X	
BH-8 (0-0.25')	4/6/2026	11:55	X		G	1		X	X	X	
BH-8 (1.0')	4/6/2026	11:56	X		G	1		X	X	X	
BH-8 (2.0')	4/6/2026	11:57	X		G	1		X	X	X	
BH-8 (3.0')	4/6/2026	11:58	X		G	1		X	X	X	
BH-8 (4.0')	4/6/2026	11:59	X		G	1		X	X	X	
BH-8 (5.0')	4/6/2026	12:00	X		G	1		X	X	X	
BH-9 (0-0.25')	4/6/2026	12:20	X		G	1		X	X	X	
BH-9 (1.0')	4/6/2026	12:21	X		G	1		X	X	X	

Parameters

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		Erica Dyal	4.7.26 1117

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-9 (2.0')	4/6/2026	12:22	X		G	1		X	X	X	
BH-9 (3.0')	4/6/2026	12:23	X		G	1		X	X	X	
BH-9 (4.0')	4/6/2026	12:24	X		G	1		X	X	X	
BH-9 (5.0')	4/6/2026	12:25	X		G	1		X	X	X	
BH-10 (0-0.25')	4/6/2026	12:45	X		G	1		X	X	X	
BH-10 (1.0')	4/6/2026	12:46	X		G	1		X	X	X	
BH-10 (2.0')	4/6/2026	12:47	X		G	1		X	X	X	
BH-10 (3.0')	4/6/2026	12:48	X		G	1		X	X	X	
BH-10 (4.0')	4/6/2026	12:49	X		G	1		X	X	X	
BH-10 (5.0')	4/6/2026	12:50	X		G	1		X	X	X	

Parameters

ANALYSIS REQUEST

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70614-1
SDG Number: Eddy County New Mexico

Login Number: 70614
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/15/2026 3:28:45 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70615-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

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
4/15/2026 3:28:45 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70615-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70615-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1 Eurofins Midland

Job Narrative
880-70615-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-1 (10.0') (880-70615-2), BH-1 (16.0') (880-70615-3), BH-1 (20.0') (880-70615-4), (LCS 880-137508/1-A), (LCSD 880-137508/2-A), (890-9768-A-1-D), (890-9768-A-1-B MS) and (890-9768-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137508 and analytical batch 880-137501 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137539 and analytical batch 880-137626 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-136858 and analytical batch 880-137626 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-137154/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH-1 (20.0') (880-70615-4). 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 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137131 and analytical batch 880-137194 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (8.0')

Lab Sample ID: 880-70615-1
Date Collected: 04/06/26 09:36
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/13/26 11:03	04/15/26 02:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/26 11:03	04/15/26 02:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/26 11:03	04/15/26 02:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/26 11:03	04/15/26 02:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/26 11:03	04/15/26 02:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/26 11:03	04/15/26 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/13/26 11:03*	*04/15/26 02:23*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/13/26 11:03*	*04/15/26 02:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/15/26 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:06*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		49.9		mg/Kg			04/09/26 01:24	5

Client Sample ID: BH-1 (10.0')

Lab Sample ID: 880-70615-2
Date Collected: 04/06/26 09:37
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/13/26 08:20	04/13/26 05:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:20	04/13/26 05:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:20	04/13/26 05:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/13/26 08:20	04/13/26 05:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/13/26 08:20	04/13/26 05:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/13/26 08:20	04/13/26 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*172*	*S1+*	*70 - 130*	*04/13/26 08:20*	*04/13/26 05:47*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/13/26 08:20*	*04/13/26 05:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (10.0')

Lab Sample ID: 880-70615-2
Matrix: Solid
Date Collected: 04/06/26 09:37
Date Received: 04/07/26 11:17

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			04/13/26 05:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 05:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 05:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:22*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**664**		49.6		mg/Kg			04/09/26 01:29	5

Client Sample ID: BH-1 (16.0')

Lab Sample ID: 880-70615-3
Matrix: Solid
Date Collected: 04/06/26 09:38
Date Received: 04/07/26 11:17

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		04/13/26 08:20	04/13/26 06:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:20	04/13/26 06:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:20	04/13/26 06:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/13/26 08:20	04/13/26 06:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/13/26 08:20	04/13/26 06:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/13/26 08:20	04/13/26 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*04/13/26 08:20*	*04/13/26 06:07*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*04/13/26 08:20*	*04/13/26 06:07*	*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			04/13/26 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 05:37	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		04/07/26 18:00	04/10/26 05:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 05:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (16.0')

Lab Sample ID: 880-70615-3
Matrix: Solid
Date Collected: 04/06/26 09:38
Date Received: 04/07/26 11:17

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		04/07/26 18:00	04/10/26 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:37*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:00*	*04/10/26 05:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		101		mg/Kg			04/09/26 01:34	10

Client Sample ID: BH-1 (20.0')

Lab Sample ID: 880-70615-4
Matrix: Solid
Date Collected: 04/06/26 09:39
Date Received: 04/07/26 11:17

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		04/13/26 08:20	04/13/26 06:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/13/26 06:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/13/26 06:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/13/26 08:20	04/13/26 06:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/13/26 06:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/13/26 08:20	04/13/26 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*04/13/26 08:20*	*04/13/26 06:28*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*04/13/26 08:20*	*04/13/26 06:28*	*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			04/13/26 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*236*	*S1+*	*70 - 130*	*04/07/26 18:00*	*04/10/26 05:53*	*1*
o-Terphenyl	*216*	*S1+*	*70 - 130*	*04/07/26 18:00*	*04/10/26 05:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**464**		99.4		mg/Kg			04/09/26 01:39	10

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70615-1	BH-1 (8.0')	125	97
880-70615-2	BH-1 (10.0')	172 S1+	85
880-70615-3	BH-1 (16.0')	161 S1+	82
880-70615-4	BH-1 (20.0')	157 S1+	83
880-70757-A-1-C MS	Matrix Spike	100	102
880-70757-A-1-D MSD	Matrix Spike Duplicate	98	107
890-9768-A-1-B MS	Matrix Spike	143 S1+	64 S1-
890-9768-A-1-C MSD	Matrix Spike Duplicate	144 S1+	11 S1-
LCS 880-137508/1-A	Lab Control Sample	149 S1+	12 S1-
LCS 880-137539/1-A	Lab Control Sample	91	108
LCSD 880-137508/2-A	Lab Control Sample Dup	147 S1+	12 S1-
LCSD 880-137539/2-A	Lab Control Sample Dup	95	102
MB 880-136858/5-A	Method Blank	152 S1+	119
MB 880-137508/5-A	Method Blank	152 S1+	79
MB 880-137539/5-A	Method Blank	227 S1+	127

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70612-A-17-C MS	Matrix Spike	92	102
880-70612-A-17-D MSD	Matrix Spike Duplicate	92	101
880-70615-1	BH-1 (8.0')	112	108
880-70615-2	BH-1 (10.0')	117	114
880-70615-3	BH-1 (16.0')	107	107
880-70615-4	BH-1 (20.0')	236 S1+	216 S1+
LCS 880-137154/2-A	Lab Control Sample	131 S1+	126
LCSD 880-137154/3-A	Lab Control Sample Dup	128	122
MB 880-137154/1-A	Method Blank	103	92

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-136858/5-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/26 15:47	04/14/26 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/26 15:47	04/14/26 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*04/03/26 15:47*	*04/14/26 11:32*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*04/03/26 15:47*	*04/14/26 11:32*	*1*

Lab Sample ID: MB 880-137508/5-A
Matrix: Solid
Analysis Batch: 137501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/12/26 22:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/12/26 22:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/12/26 22:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/26 08:20	04/12/26 22:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 08:20	04/12/26 22:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/26 08:20	04/12/26 22:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*04/13/26 08:20*	*04/12/26 22:25*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*04/13/26 08:20*	*04/12/26 22:25*	*1*

Lab Sample ID: LCS 880-137508/1-A
Matrix: Solid
Analysis Batch: 137501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1180		mg/Kg		118	70 - 130
Toluene	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1159		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2413		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1205		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*12*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-137508/2-A
Matrix: Solid
Analysis Batch: 137501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1220		mg/Kg		122	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137508/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137501 — **Prep Batch: 137508**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1084		mg/Kg		108	70 - 130	2	35
Ethylbenzene			0.100	0.1184		mg/Kg		118	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2441		mg/Kg		122	70 - 130	1	35
o-Xylene			0.100	0.1220		mg/Kg		122	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*12*	*S1-*	*70 - 130*

Lab Sample ID: 890-9768-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137501 — **Prep Batch: 137508**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1109		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.09799		mg/Kg		98	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2137		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U	0.100	0.1075		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*

Lab Sample ID: 890-9768-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137501 — **Prep Batch: 137508**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09264		mg/Kg		93	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.1004		mg/Kg		100	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2022		mg/Kg		101	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.1027		mg/Kg		103	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*11*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-137539/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137626 — **Prep Batch: 137539**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/13/26 11:03	04/14/26 23:11	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137539/5-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/13/26 11:03	04/14/26 23:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/13/26 11:03	04/14/26 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*04/13/26 11:03*	*04/14/26 23:11*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*04/13/26 11:03*	*04/14/26 23:11*	*1*

Lab Sample ID: LCS 880-137539/1-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1076		mg/Kg		108	70 - 130
Toluene	0.100	0.09287		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08449		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1684		mg/Kg		84	70 - 130
o-Xylene	0.100	0.09494		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-137539/2-A
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09280		mg/Kg		93	70 - 130	15	35
Toluene	0.100	0.09110		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.08460		mg/Kg		85	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1734		mg/Kg		87	70 - 130	3	35
o-Xylene	0.100	0.09789		mg/Kg		98	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-70757-A-1-C MS
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	<0.00200	U	0.100	0.09055		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08585		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1809		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.1025		mg/Kg		103	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70757-A-1-C MS
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137539

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-70757-A-1-D MSD
Matrix: Solid
Analysis Batch: 137626

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09725		mg/Kg		97	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08164		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1716		mg/Kg		86	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09575		mg/Kg		96	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-137154/1-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137154

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		04/07/26 18:00	04/10/26 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137154/2-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1165		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1155		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137154/3-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137154

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1140		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1122		mg/Kg		112	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 880-70612-A-17-C MS
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	456		998	1166		mg/Kg		71	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 880-70612-A-17-D MSD
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	456		998	1181		mg/Kg		73	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137131/1-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 00:15	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-137131/2-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.6		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-137131/3-A
Matrix: Solid
Analysis Batch: 137194

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	233.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-70614-A-55-B MS
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5010	F1	5020	10840	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-70614-A-55-C MSD
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5010	F1	5020	10840	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 880-70616-A-1-B MS
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1430		1250	2633		mg/Kg		96	90 - 110		

Lab Sample ID: 880-70616-A-1-C MSD
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1430		1250	2633		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 136858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-136858/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 137501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-2	BH-1 (10.0')	Total/NA	Solid	8021B	137508
880-70615-3	BH-1 (16.0')	Total/NA	Solid	8021B	137508
880-70615-4	BH-1 (20.0')	Total/NA	Solid	8021B	137508
MB 880-137508/5-A	Method Blank	Total/NA	Solid	8021B	137508
LCS 880-137508/1-A	Lab Control Sample	Total/NA	Solid	8021B	137508
LCSD 880-137508/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137508
890-9768-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	137508
890-9768-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137508

Prep Batch: 137508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-2	BH-1 (10.0')	Total/NA	Solid	5035	
880-70615-3	BH-1 (16.0')	Total/NA	Solid	5035	
880-70615-4	BH-1 (20.0')	Total/NA	Solid	5035	
MB 880-137508/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137508/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137508/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9768-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-9768-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 137539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	5035	
MB 880-137539/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137539/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137539/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70757-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-70757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	Total BTEX	
880-70615-2	BH-1 (10.0')	Total/NA	Solid	Total BTEX	
880-70615-3	BH-1 (16.0')	Total/NA	Solid	Total BTEX	
880-70615-4	BH-1 (20.0')	Total/NA	Solid	Total BTEX	

Analysis Batch: 137626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	8021B	137539
MB 880-136858/5-A	Method Blank	Total/NA	Solid	8021B	136858
MB 880-137539/5-A	Method Blank	Total/NA	Solid	8021B	137539
LCS 880-137539/1-A	Lab Control Sample	Total/NA	Solid	8021B	137539
LCSD 880-137539/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137539
880-70757-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	137539
880-70757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137539

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

GC Semi VOA

Prep Batch: 137154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	8015NM Prep	
880-70615-2	BH-1 (10.0')	Total/NA	Solid	8015NM Prep	
880-70615-3	BH-1 (16.0')	Total/NA	Solid	8015NM Prep	
880-70615-4	BH-1 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	8015B NM	137154
880-70615-2	BH-1 (10.0')	Total/NA	Solid	8015B NM	137154
880-70615-3	BH-1 (16.0')	Total/NA	Solid	8015B NM	137154
880-70615-4	BH-1 (20.0')	Total/NA	Solid	8015B NM	137154
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015B NM	137154
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137154
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137154
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137154
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137154

Analysis Batch: 137429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Total/NA	Solid	8015 NM	
880-70615-2	BH-1 (10.0')	Total/NA	Solid	8015 NM	
880-70615-3	BH-1 (16.0')	Total/NA	Solid	8015 NM	
880-70615-4	BH-1 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Soluble	Solid	DI Leach	
880-70615-2	BH-1 (10.0')	Soluble	Solid	DI Leach	
880-70615-3	BH-1 (16.0')	Soluble	Solid	DI Leach	
880-70615-4	BH-1 (20.0')	Soluble	Solid	DI Leach	
MB 880-137131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70614-A-55-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70614-A-55-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-70616-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70616-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70615-1	BH-1 (8.0')	Soluble	Solid	300.0	137131
880-70615-2	BH-1 (10.0')	Soluble	Solid	300.0	137131
880-70615-3	BH-1 (16.0')	Soluble	Solid	300.0	137131
880-70615-4	BH-1 (20.0')	Soluble	Solid	300.0	137131

QC Association Summary

Client: Carmona Resources
Job ID: 880-70615-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 137194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137131/1-A	Method Blank	Soluble	Solid	300.0	137131
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	300.0	137131
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137131
880-70614-A-55-B MS	Matrix Spike	Soluble	Solid	300.0	137131
880-70614-A-55-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137131
880-70616-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	137131
880-70616-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137131

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (8.0')

Lab Sample ID: 880-70615-1
Date Collected: 04/06/26 09:36
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137539	04/13/26 11:03	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137626	04/15/26 02:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			137553	04/15/26 02:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			137429	04/10/26 05:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 05:06	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 01:24	CS	EET MID

Client Sample ID: BH-1 (10.0')

Lab Sample ID: 880-70615-2
Date Collected: 04/06/26 09:37
Matrix: Solid
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	137501	04/13/26 05:47	SA	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	137508	04/13/26 08:20	AA	EET MID
Total/NA	Analysis	Total BTEX		1			137553	04/13/26 05:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			137429	04/10/26 05:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 05:22	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 01:29	CS	EET MID

Client Sample ID: BH-1 (16.0')

Lab Sample ID: 880-70615-3
Date Collected: 04/06/26 09:38
Matrix: Solid
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	137501	04/13/26 06:07	SA	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	137508	04/13/26 08:20	AA	EET MID
Total/NA	Analysis	Total BTEX		1			137553	04/13/26 06:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			137429	04/10/26 05:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 05:37	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137194	04/09/26 01:34	CS	EET MID

Client Sample ID: BH-1 (20.0')

Lab Sample ID: 880-70615-4
Date Collected: 04/06/26 09:39
Matrix: Solid
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	137501	04/13/26 06:28	SA	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	137508	04/13/26 08:20	AA	EET MID
Total/NA	Analysis	Total BTEX		1			137553	04/13/26 06:28	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70615-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-1 (20.0')
Lab Sample ID: 880-70615-4

Date Collected: 04/06/26 09:39
Matrix: Solid

Date Received: 04/07/26 11:17

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			137429	04/10/26 05:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 05:53	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	137194	04/09/26 01:39	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70615-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70615-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70615-1	BH-1 (8.0')	Solid	04/06/26 09:36	04/07/26 11:17	Texas
880-70615-2	BH-1 (10.0')	Solid	04/06/26 09:37	04/07/26 11:17	Texas
880-70615-3	BH-1 (16.0')	Solid	04/06/26 09:38	04/07/26 11:17	Texas
880-70615-4	BH-1 (20.0')	Solid	04/06/26 09:39	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70615 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213		
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
BH-1 (8.0')	4/6/2026	9:36	X		G	1	X	X	X
BH-1 (10.0')	4/6/2026	9:37	X		G	1	X	X	X
BH-1 (16.0')	4/6/2026	9:38	X		G	1	X	X	X
BH-1 (20.0')	4/6/2026	9:39	X		G	1	X	X	X

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70615-1
SDG Number: Eddy County New Mexico

Login Number: 70615
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/10/2026 5:52:48 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70616-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

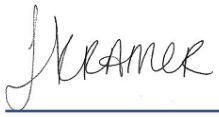
Eurofins Midland

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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4/10/2026 5:52:48 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70616-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 880-70616-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1 Eurofins Midland

Job Narrative
880-70616-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137167 recovered outside control limit for m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-137167/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137188 and 880-137193 and analytical batch 880-137167 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-137154/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (8.0')

Lab Sample ID: 880-70616-1
Date Collected: 04/06/26 09:51
Matrix: Solid
Date Received: 04/07/26 13:25

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		04/08/26 10:42	04/09/26 00:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 00:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:42*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:42*	*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			04/09/26 00:42	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			04/10/26 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 06:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 06:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:08*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1430**		50.0		mg/Kg			04/09/26 01:45	5

Client Sample ID: BH-2 (10.0')

Lab Sample ID: 880-70616-2
Date Collected: 04/06/26 09:52
Matrix: Solid
Date Received: 04/07/26 13:25

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		04/08/26 10:42	04/09/26 01:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 01:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 01:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 01:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 01:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (10.0')

Date Collected: 04/06/26 09:52
Date Received: 04/07/26 13:25

Lab Sample ID: 880-70616-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 01:02	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			04/10/26 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:23*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**836**		49.6		mg/Kg			04/09/26 02:00	5

Client Sample ID: BH-2 (16.0')

Date Collected: 04/06/26 09:53
Date Received: 04/07/26 13:25

Lab Sample ID: 880-70616-3
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		04/08/26 10:42	04/09/26 01:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 01:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 01:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 01:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 01:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:23*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 01:23	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			04/10/26 06:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 06:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:00	04/10/26 06:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (16.0')

Lab Sample ID: 880-70616-3
Matrix: Solid
Date Collected: 04/06/26 09:53
Date Received: 04/07/26 13:25

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		04/07/26 18:00	04/10/26 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:39*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**550**		9.90		mg/Kg			04/09/26 02:05	1

Client Sample ID: BH-2 (20.0')

Lab Sample ID: 880-70616-4
Matrix: Solid
Date Collected: 04/06/26 09:54
Date Received: 04/07/26 13:25

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		04/08/26 10:42	04/09/26 01:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 01:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 01:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 01:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 01:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/08/26 10:42*	*04/09/26 01:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 01:43	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			04/10/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:53*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/07/26 18:00*	*04/10/26 06:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**398**		9.94		mg/Kg			04/09/26 02:21	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-70616-1	BH-2 (8.0')	94	89										
880-70616-1 MS	BH-2 (8.0')	96	103										
880-70616-1 MSD	BH-2 (8.0')	101	93										
880-70616-2	BH-2 (10.0')	101	94										
880-70616-3	BH-2 (16.0')	112	98										
880-70616-4	BH-2 (20.0')	109	92										
LCS 880-137193/1-A	Lab Control Sample	106	111										
LCSD 880-137193/2-A	Lab Control Sample Dup	98	116										
MB 880-137188/5-A	Method Blank	205 S1+	111										
MB 880-137193/5-A	Method Blank	189 S1+	109										

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)										
880-70612-A-17-C MS	Matrix Spike	92	102										
880-70612-A-17-D MSD	Matrix Spike Duplicate	92	101										
880-70616-1	BH-2 (8.0')	111	115										
880-70616-2	BH-2 (10.0')	108	109										
880-70616-3	BH-2 (16.0')	104	102										
880-70616-4	BH-2 (20.0')	116	118										
LCS 880-137154/2-A	Lab Control Sample	131 S1+	126										
LCSD 880-137154/3-A	Lab Control Sample Dup	128	122										
MB 880-137154/1-A	Method Blank	103	92										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137188/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*

Lab Sample ID: MB 880-137193/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*

Lab Sample ID: LCS 880-137193/1-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137193/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137167 — **Prep Batch: 137193**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09137		mg/Kg		91	70 - 130	12	35
Ethylbenzene			0.100	0.09624		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1810		mg/Kg		90	70 - 130	9	35
o-Xylene			0.100	0.09953		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-70616-1 MS — **Client Sample ID: BH-2 (8.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137167 — **Prep Batch: 137193**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-70616-1 MSD — **Client Sample ID: BH-2 (8.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137167 — **Prep Batch: 137193**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08694		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09056		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-137154/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137289 — **Prep Batch: 137154**

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		04/07/26 18:00	04/10/26 01:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137154/1-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137154/2-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137154

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1165		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1155		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: LCSD 880-137154/3-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137154

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1140		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1122		mg/Kg		112	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 880-70612-A-17-C MS
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.2		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	456		998	1166		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70612-A-17-D MSD
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	456		998	1181		mg/Kg		73	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137131/1-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 00:15	1

Lab Sample ID: LCS 880-137131/2-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.6		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-137131/3-A
Matrix: Solid
Analysis Batch: 137194

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	233.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-70616-1 MS
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: BH-2 (8.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1430		1250	2633		mg/Kg		96	90 - 110

Lab Sample ID: 880-70616-1 MSD
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: BH-2 (8.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1430		1250	2633		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 137167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	8021B	137193
880-70616-2	BH-2 (10.0')	Total/NA	Solid	8021B	137193
880-70616-3	BH-2 (16.0')	Total/NA	Solid	8021B	137193
880-70616-4	BH-2 (20.0')	Total/NA	Solid	8021B	137193
MB 880-137188/5-A	Method Blank	Total/NA	Solid	8021B	137188
MB 880-137193/5-A	Method Blank	Total/NA	Solid	8021B	137193
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	8021B	137193
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137193
880-70616-1 MS	BH-2 (8.0')	Total/NA	Solid	8021B	137193
880-70616-1 MSD	BH-2 (8.0')	Total/NA	Solid	8021B	137193

Prep Batch: 137188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	5035	
880-70616-2	BH-2 (10.0')	Total/NA	Solid	5035	
880-70616-3	BH-2 (16.0')	Total/NA	Solid	5035	
880-70616-4	BH-2 (20.0')	Total/NA	Solid	5035	
MB 880-137193/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70616-1 MS	BH-2 (8.0')	Total/NA	Solid	5035	
880-70616-1 MSD	BH-2 (8.0')	Total/NA	Solid	5035	

Analysis Batch: 137303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	Total BTEX	
880-70616-2	BH-2 (10.0')	Total/NA	Solid	Total BTEX	
880-70616-3	BH-2 (16.0')	Total/NA	Solid	Total BTEX	
880-70616-4	BH-2 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-70616-2	BH-2 (10.0')	Total/NA	Solid	8015NM Prep	
880-70616-3	BH-2 (16.0')	Total/NA	Solid	8015NM Prep	
880-70616-4	BH-2 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	8015B NM	137154

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-2	BH-2 (10.0')	Total/NA	Solid	8015B NM	137154
880-70616-3	BH-2 (16.0')	Total/NA	Solid	8015B NM	137154
880-70616-4	BH-2 (20.0')	Total/NA	Solid	8015B NM	137154
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015B NM	137154
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137154
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137154
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137154
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137154

Analysis Batch: 137430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Total/NA	Solid	8015 NM	
880-70616-2	BH-2 (10.0')	Total/NA	Solid	8015 NM	
880-70616-3	BH-2 (16.0')	Total/NA	Solid	8015 NM	
880-70616-4	BH-2 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Soluble	Solid	DI Leach	
880-70616-2	BH-2 (10.0')	Soluble	Solid	DI Leach	
880-70616-3	BH-2 (16.0')	Soluble	Solid	DI Leach	
880-70616-4	BH-2 (20.0')	Soluble	Solid	DI Leach	
MB 880-137131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70616-1 MS	BH-2 (8.0')	Soluble	Solid	DI Leach	
880-70616-1 MSD	BH-2 (8.0')	Soluble	Solid	DI Leach	

Analysis Batch: 137194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70616-1	BH-2 (8.0')	Soluble	Solid	300.0	137131
880-70616-2	BH-2 (10.0')	Soluble	Solid	300.0	137131
880-70616-3	BH-2 (16.0')	Soluble	Solid	300.0	137131
880-70616-4	BH-2 (20.0')	Soluble	Solid	300.0	137131
MB 880-137131/1-A	Method Blank	Soluble	Solid	300.0	137131
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	300.0	137131
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137131
880-70616-1 MS	BH-2 (8.0')	Soluble	Solid	300.0	137131
880-70616-1 MSD	BH-2 (8.0')	Soluble	Solid	300.0	137131

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (8.0')

Lab Sample ID: 880-70616-1
Date Collected: 04/06/26 09:51
Matrix: Solid
Date Received: 04/07/26 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 00:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137303	04/09/26 00:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			137430	04/10/26 06:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 06:08	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 01:45	CS	EET MID

Client Sample ID: BH-2 (10.0')

Lab Sample ID: 880-70616-2
Date Collected: 04/06/26 09:52
Matrix: Solid
Date Received: 04/07/26 13:25

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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 01:02	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137303	04/09/26 01:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			137430	04/10/26 06:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 06:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 02:00	CS	EET MID

Client Sample ID: BH-2 (16.0')

Lab Sample ID: 880-70616-3
Date Collected: 04/06/26 09:53
Matrix: Solid
Date Received: 04/07/26 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 01:23	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137303	04/09/26 01:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			137430	04/10/26 06:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 06:39	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137194	04/09/26 02:05	CS	EET MID

Client Sample ID: BH-2 (20.0')

Lab Sample ID: 880-70616-4
Date Collected: 04/06/26 09:54
Matrix: Solid
Date Received: 04/07/26 13:25

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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 01:43	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137303	04/09/26 01:43	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Client Sample ID: BH-2 (20.0')

Date Collected: 04/06/26 09:54
Date Received: 04/07/26 13:25

Lab Sample ID: 880-70616-4

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			137430	04/10/26 06:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 06:53	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137194	04/09/26 02:21	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70616-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70616-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70616-1	BH-2 (8.0')	Solid	04/06/26 09:51	04/07/26 13:25	Texas
880-70616-2	BH-2 (10.0')	Solid	04/06/26 09:52	04/07/26 13:25	Texas
880-70616-3	BH-2 (16.0')	Solid	04/06/26 09:53	04/07/26 13:25	Texas
880-70616-4	BH-2 (20.0')	Solid	04/06/26 09:54	04/07/26 13:25	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70616 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213		
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-2 (8.0')	4/6/2026	9:51	X		G	1	X	X	X	
BH-2 (10.0')	4/6/2026	9:52	X		G	1	X	X	X	
BH-2 (16.0')	4/6/2026	9:53	X		G	1	X	X	X	
BH-2 (20.0')	4/6/2026	9:54	X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70616-1
SDG Number: Eddy County New Mexico

Login Number: 70616
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/10/2026 5:53:24 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70617-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

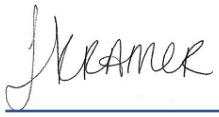
Eurofins Midland

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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4/10/2026 5:53:24 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70617-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 880-70617-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1 Eurofins Midland

Job Narrative
880-70617-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137167 recovered outside control limit for m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-137167/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137188 and 880-137193 and analytical batch 880-137167 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-137154/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (8.0')

Lab Sample ID: 880-70617-1
Date Collected: 04/06/26 10:11
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:04*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/09/26 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 07:09	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	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 07:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 07:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:00	04/10/26 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/07/26 18:00*	*04/10/26 07:09*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/07/26 18:00*	*04/10/26 07:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**838**		49.9		mg/Kg			04/09/26 02:26	5

Client Sample ID: BH-3 (10.0')

Lab Sample ID: 880-70617-2
Date Collected: 04/06/26 10:12
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 02:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 02:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 02:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 02:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 02:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:24*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (10.0')

Lab Sample ID: 880-70617-2
Matrix: Solid
Date Collected: 04/06/26 10:12
Date Received: 04/07/26 11:17

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			04/09/26 02:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 07:24	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	<50.1	U	50.1		mg/Kg		04/07/26 18:00	04/10/26 07:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:00	04/10/26 07:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:00	04/10/26 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*04/07/26 18:00*	*04/10/26 07:24*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/07/26 18:00*	*04/10/26 07:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**583**		50.5		mg/Kg			04/09/26 02:32	5

Client Sample ID: BH-3 (16.0')

Lab Sample ID: 880-70617-3
Matrix: Solid
Date Collected: 04/06/26 10:13
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/26 10:42	04/09/26 02:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 02:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/26 10:42	04/09/26 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:45*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 10:42*	*04/09/26 02:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/09/26 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (16.0')

Lab Sample ID: 880-70617-3
Matrix: Solid
Date Collected: 04/06/26 10:13
Date Received: 04/07/26 11:17

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		04/07/26 18:03	04/10/26 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:51*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**803**		50.1		mg/Kg			04/09/26 02:37	5

Client Sample ID: BH-3 (20.0')

Lab Sample ID: 880-70617-4
Matrix: Solid
Date Collected: 04/06/26 10:14
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 03:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 03:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 03:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 03:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 03:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:05*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 02:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 02:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/07/26 18:03*	*04/10/26 02:36*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:03*	*04/10/26 02:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**285**		49.7		mg/Kg			04/09/26 02:42	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70616-A-1-E MS	Matrix Spike	96	103
880-70616-A-1-F MSD	Matrix Spike Duplicate	101	93
880-70617-1	BH-3 (8.0')	114	100
880-70617-2	BH-3 (10.0')	123	103
880-70617-3	BH-3 (16.0')	109	96
880-70617-4	BH-3 (20.0')	121	104
LCS 880-137193/1-A	Lab Control Sample	106	111
LCSD 880-137193/2-A	Lab Control Sample Dup	98	116
MB 880-137188/5-A	Method Blank	205 S1+	111
MB 880-137193/5-A	Method Blank	189 S1+	109

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70612-A-17-C MS	Matrix Spike	92	102
880-70612-A-17-D MSD	Matrix Spike Duplicate	92	101
880-70617-1	BH-3 (8.0')	117	114
880-70617-2	BH-3 (10.0')	124	119
880-70617-3	BH-3 (16.0')	92	102
880-70617-3 MS	BH-3 (16.0')	87	98
880-70617-3 MSD	BH-3 (16.0')	86	98
880-70617-4	BH-3 (20.0')	100	105
LCS 880-137154/2-A	Lab Control Sample	131 S1+	126
LCS 880-137155/2-A	Lab Control Sample	92	97
LCSD 880-137154/3-A	Lab Control Sample Dup	128	122
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
MB 880-137154/1-A	Method Blank	103	92
MB 880-137155/1-A	Method Blank	82	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137188/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*

Lab Sample ID: MB 880-137193/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*

Lab Sample ID: LCS 880-137193/1-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09137		mg/Kg		91	70 - 130	12	35
Ethylbenzene			0.100	0.09624		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1810		mg/Kg		90	70 - 130	9	35
o-Xylene			0.100	0.09953		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-70616-A-1-E MS
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-70616-A-1-F MSD
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08694		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09056		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-137154/1-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137154

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		04/07/26 18:00	04/10/26 01:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137154/1-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:00	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/07/26 18:00*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137154/2-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137154

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1165		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1155		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: LCSD 880-137154/3-A
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137154

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1140		mg/Kg		114	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1122		mg/Kg		112	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 880-70612-A-17-C MS
Matrix: Solid
Analysis Batch: 137289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.2		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	456		998	1166		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70612-A-17-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137289 — **Prep Batch: 137154**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	881.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	456		998	1181		mg/Kg		73	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: MB 880-137155/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

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		04/07/26 18:03	04/10/26 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	871.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-137155/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-70617-3 MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: BH-3 (16.0')
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-70617-3 MSD
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: BH-3 (16.0')
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137131/1-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 00:15	1

Lab Sample ID: LCS 880-137131/2-A
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.6		mg/Kg		93	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-137131/3-A
Matrix: Solid
Analysis Batch: 137194

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	233.7		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-70616-A-1-B MS
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1430		1250	2633		mg/Kg		96	90 - 110		

Lab Sample ID: 880-70616-A-1-C MSD
Matrix: Solid
Analysis Batch: 137194

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1430		1250	2633		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Job ID: 880-70617-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 137167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	8021B	137193
880-70617-2	BH-3 (10.0')	Total/NA	Solid	8021B	137193
880-70617-3	BH-3 (16.0')	Total/NA	Solid	8021B	137193
880-70617-4	BH-3 (20.0')	Total/NA	Solid	8021B	137193
MB 880-137188/5-A	Method Blank	Total/NA	Solid	8021B	137188
MB 880-137193/5-A	Method Blank	Total/NA	Solid	8021B	137193
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	8021B	137193
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137193
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137193
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137193

Prep Batch: 137188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	5035	
880-70617-2	BH-3 (10.0')	Total/NA	Solid	5035	
880-70617-3	BH-3 (16.0')	Total/NA	Solid	5035	
880-70617-4	BH-3 (20.0')	Total/NA	Solid	5035	
MB 880-137193/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	Total BTEX	
880-70617-2	BH-3 (10.0')	Total/NA	Solid	Total BTEX	
880-70617-3	BH-3 (16.0')	Total/NA	Solid	Total BTEX	
880-70617-4	BH-3 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	8015NM Prep	
880-70617-2	BH-3 (10.0')	Total/NA	Solid	8015NM Prep	
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-3	BH-3 (16.0')	Total/NA	Solid	8015NM Prep	
880-70617-4	BH-3 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 137155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-3 MS	BH-3 (16.0')	Total/NA	Solid	8015NM Prep	
880-70617-3 MSD	BH-3 (16.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	8015B NM	137154
880-70617-2	BH-3 (10.0')	Total/NA	Solid	8015B NM	137154
MB 880-137154/1-A	Method Blank	Total/NA	Solid	8015B NM	137154
LCS 880-137154/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137154
LCSD 880-137154/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137154
880-70612-A-17-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137154
880-70612-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137154

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-3	BH-3 (16.0')	Total/NA	Solid	8015B NM	137155
880-70617-4	BH-3 (20.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-3 MS	BH-3 (16.0')	Total/NA	Solid	8015B NM	137155
880-70617-3 MSD	BH-3 (16.0')	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Total/NA	Solid	8015 NM	
880-70617-2	BH-3 (10.0')	Total/NA	Solid	8015 NM	
880-70617-3	BH-3 (16.0')	Total/NA	Solid	8015 NM	
880-70617-4	BH-3 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Soluble	Solid	DI Leach	
880-70617-2	BH-3 (10.0')	Soluble	Solid	DI Leach	
880-70617-3	BH-3 (16.0')	Soluble	Solid	DI Leach	
880-70617-4	BH-3 (20.0')	Soluble	Solid	DI Leach	
MB 880-137131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70616-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70616-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-1	BH-3 (8.0')	Soluble	Solid	300.0	137131
880-70617-2	BH-3 (10.0')	Soluble	Solid	300.0	137131
880-70617-3	BH-3 (16.0')	Soluble	Solid	300.0	137131

QC Association Summary

Client: Carmona Resources
Job ID: 880-70617-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 137194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70617-4	BH-3 (20.0')	Soluble	Solid	300.0	137131
MB 880-137131/1-A	Method Blank	Soluble	Solid	300.0	137131
LCS 880-137131/2-A	Lab Control Sample	Soluble	Solid	300.0	137131
LCSD 880-137131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137131
880-70616-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	137131
880-70616-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137131

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (8.0')

Lab Sample ID: 880-70617-1
Date Collected: 04/06/26 10:11
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 02:04	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137304	04/09/26 02:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			137431	04/10/26 07:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 07:09	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 02:26	CS	EET MID

Client Sample ID: BH-3 (10.0')

Lab Sample ID: 880-70617-2
Date Collected: 04/06/26 10:12
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 02:24	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137304	04/09/26 02:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			137431	04/10/26 07:24	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137154	04/07/26 18:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137289	04/10/26 07:24	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 02:32	CS	EET MID

Client Sample ID: BH-3 (16.0')

Lab Sample ID: 880-70617-3
Date Collected: 04/06/26 10:13
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 02:45	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137304	04/09/26 02:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			137431	04/10/26 01:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 01:51	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 02:37	CS	EET MID

Client Sample ID: BH-3 (20.0')

Lab Sample ID: 880-70617-4
Date Collected: 04/06/26 10:14
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 03:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137304	04/09/26 03:05	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Client Sample ID: BH-3 (20.0')

Date Collected: 04/06/26 10:14
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70617-4

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			137431	04/10/26 02:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 02:36	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137131	04/07/26 15:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	137194	04/09/26 02:42	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70617-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70617-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70617-1	BH-3 (8.0')	Solid	04/06/26 10:11	04/07/26 11:17	Texas
880-70617-2	BH-3 (10.0')	Solid	04/06/26 10:12	04/07/26 11:17	Texas
880-70617-3	BH-3 (16.0')	Solid	04/06/26 10:13	04/07/26 11:17	Texas
880-70617-4	BH-3 (20.0')	Solid	04/06/26 10:14	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM

Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70617 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Pres. Code	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
BH-3 (8.0')	4/6/2026	10:11	X		G	1	X	X	X
BH-3 (10.0')	4/6/2026	10:12	X		G	1	X	X	X
BH-3 (16.0')	4/6/2026	10:13	X		G	1	X	X	X
BH-3 (20.0')	4/6/2026	10:14	X		G	1	X	X	X

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70617-1
SDG Number: Eddy County New Mexico

Login Number: 70617
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/10/2026 5:53:56 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70618-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

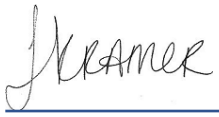
Eurofins Midland

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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Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70618-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70618-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1 Eurofins Midland

Job Narrative
880-70618-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137167 recovered outside control limit for m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-137167/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137188 and 880-137193 and analytical batch 880-137167 was outside the upper control limits.

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137249 and analytical batch 880-137260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (8.0')

Lab Sample ID: 880-70618-1
Date Collected: 04/06/26 10:31
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 03:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 03:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 03:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 03:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 03:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:25*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:25*	*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			04/09/26 03:25	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			04/10/26 02:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 02:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 02:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/07/26 18:03*	*04/10/26 02:51*	*1*
o-Terphenyl	*112*		*70 - 130*	*04/07/26 18:03*	*04/10/26 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**321**	**F1**	10.0		mg/Kg			04/09/26 13:57	1

Client Sample ID: BH-4 (10.0')

Lab Sample ID: 880-70618-2
Date Collected: 04/06/26 10:32
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 03:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 03:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 03:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 03:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 03:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:46*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 10:42*	*04/09/26 03:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (10.0')

Lab Sample ID: 880-70618-2
Matrix: Solid
Date Collected: 04/06/26 10:32
Date Received: 04/07/26 11:17

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			04/09/26 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:06*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		10.1		mg/Kg			04/09/26 14:13	1

Client Sample ID: BH-4 (16.0')

Lab Sample ID: 880-70618-3
Matrix: Solid
Date Collected: 04/06/26 10:33
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 05:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 05:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 05:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 05:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 05:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/08/26 10:42*	*04/09/26 05:36*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*04/08/26 10:42*	*04/09/26 05:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 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	<49.8	U	49.8		mg/Kg			04/10/26 03:21	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	49.8		mg/Kg		04/07/26 18:03	04/10/26 03:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 03:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (16.0')

Lab Sample ID: 880-70618-3
Matrix: Solid
Date Collected: 04/06/26 10:33
Date Received: 04/07/26 11:17

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		04/07/26 18:03	04/10/26 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:21*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		10.1		mg/Kg			04/09/26 14:18	1

Client Sample ID: BH-4 (20.0')

Lab Sample ID: 880-70618-4
Matrix: Solid
Date Collected: 04/06/26 10:34
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 05:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/08/26 10:42*	*04/09/26 05:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/08/26 10:42*	*04/09/26 05:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 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	<49.9	U	49.9		mg/Kg			04/10/26 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:36*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		9.92		mg/Kg			04/09/26 14:23	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70616-A-1-E MS	Matrix Spike	96	103
880-70616-A-1-F MSD	Matrix Spike Duplicate	101	93
880-70618-1	BH-4 (8.0')	121	103
880-70618-2	BH-4 (10.0')	126	106
880-70618-3	BH-4 (16.0')	85	86
880-70618-4	BH-4 (20.0')	108	92
LCS 880-137193/1-A	Lab Control Sample	106	111
LCSD 880-137193/2-A	Lab Control Sample Dup	98	116
MB 880-137188/5-A	Method Blank	205 S1+	111
MB 880-137193/5-A	Method Blank	189 S1+	109

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70617-A-3-C MS	Matrix Spike	87	98
880-70617-A-3-D MSD	Matrix Spike Duplicate	86	98
880-70618-1	BH-4 (8.0')	102	112
880-70618-2	BH-4 (10.0')	90	98
880-70618-3	BH-4 (16.0')	94	101
880-70618-4	BH-4 (20.0')	101	109
LCS 880-137155/2-A	Lab Control Sample	92	97
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
MB 880-137155/1-A	Method Blank	82	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137188/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*

Lab Sample ID: MB 880-137193/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*

Lab Sample ID: LCS 880-137193/1-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09137		mg/Kg		91	70 - 130	12	35
Ethylbenzene			0.100	0.09624		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1810		mg/Kg		90	70 - 130	9	35
o-Xylene			0.100	0.09953		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-70616-A-1-E MS
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-70616-A-1-F MSD
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08694		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09056		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

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		04/07/26 18:03	04/10/26 01:05	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	871.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-70617-A-3-C MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70617-A-3-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137249/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 13:41	1

Lab Sample ID: LCS 880-137249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-137249/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-70618-1 MS — **Client Sample ID: BH-4 (8.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	321	F1	251	507.2	F1	mg/Kg		74	90 - 110

Lab Sample ID: 880-70618-1 MSD — **Client Sample ID: BH-4 (8.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	321	F1	251	508.9	F1	mg/Kg		75	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 137167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	8021B	137193
880-70618-2	BH-4 (10.0')	Total/NA	Solid	8021B	137193
880-70618-3	BH-4 (16.0')	Total/NA	Solid	8021B	137193
880-70618-4	BH-4 (20.0')	Total/NA	Solid	8021B	137193
MB 880-137188/5-A	Method Blank	Total/NA	Solid	8021B	137188
MB 880-137193/5-A	Method Blank	Total/NA	Solid	8021B	137193
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	8021B	137193
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137193
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137193
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137193

Prep Batch: 137188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	5035	
880-70618-2	BH-4 (10.0')	Total/NA	Solid	5035	
880-70618-3	BH-4 (16.0')	Total/NA	Solid	5035	
880-70618-4	BH-4 (20.0')	Total/NA	Solid	5035	
MB 880-137193/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	Total BTEX	
880-70618-2	BH-4 (10.0')	Total/NA	Solid	Total BTEX	
880-70618-3	BH-4 (16.0')	Total/NA	Solid	Total BTEX	
880-70618-4	BH-4 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	8015NM Prep	
880-70618-2	BH-4 (10.0')	Total/NA	Solid	8015NM Prep	
880-70618-3	BH-4 (16.0')	Total/NA	Solid	8015NM Prep	
880-70618-4	BH-4 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	8015B NM	137155

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-2	BH-4 (10.0')	Total/NA	Solid	8015B NM	137155
880-70618-3	BH-4 (16.0')	Total/NA	Solid	8015B NM	137155
880-70618-4	BH-4 (20.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137155
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Total/NA	Solid	8015 NM	
880-70618-2	BH-4 (10.0')	Total/NA	Solid	8015 NM	
880-70618-3	BH-4 (16.0')	Total/NA	Solid	8015 NM	
880-70618-4	BH-4 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Soluble	Solid	DI Leach	
880-70618-2	BH-4 (10.0')	Soluble	Solid	DI Leach	
880-70618-3	BH-4 (16.0')	Soluble	Solid	DI Leach	
880-70618-4	BH-4 (20.0')	Soluble	Solid	DI Leach	
MB 880-137249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70618-1 MS	BH-4 (8.0')	Soluble	Solid	DI Leach	
880-70618-1 MSD	BH-4 (8.0')	Soluble	Solid	DI Leach	

Analysis Batch: 137260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70618-1	BH-4 (8.0')	Soluble	Solid	300.0	137249
880-70618-2	BH-4 (10.0')	Soluble	Solid	300.0	137249
880-70618-3	BH-4 (16.0')	Soluble	Solid	300.0	137249
880-70618-4	BH-4 (20.0')	Soluble	Solid	300.0	137249
MB 880-137249/1-A	Method Blank	Soluble	Solid	300.0	137249
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	300.0	137249
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137249
880-70618-1 MS	BH-4 (8.0')	Soluble	Solid	300.0	137249
880-70618-1 MSD	BH-4 (8.0')	Soluble	Solid	300.0	137249

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (8.0')

Lab Sample ID: 880-70618-1
Date Collected: 04/06/26 10:31
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 03:25	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137305	04/09/26 03:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			137435	04/10/26 02:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 02:51	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 13:57	CS	EET MID

Client Sample ID: BH-4 (10.0')

Lab Sample ID: 880-70618-2
Date Collected: 04/06/26 10:32
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 03:46	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137305	04/09/26 03:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			137435	04/10/26 03:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 03:06	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:13	CS	EET MID

Client Sample ID: BH-4 (16.0')

Lab Sample ID: 880-70618-3
Date Collected: 04/06/26 10:33
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 05:36	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137305	04/09/26 05:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			137435	04/10/26 03:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 03:21	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:18	CS	EET MID

Client Sample ID: BH-4 (20.0')

Lab Sample ID: 880-70618-4
Date Collected: 04/06/26 10:34
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 05:57	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137305	04/09/26 05:57	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Client Sample ID: BH-4 (20.0')

Date Collected: 04/06/26 10:34
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70618-4

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			137435	04/10/26 03:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 03:36	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:23	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70618-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70618-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70618-1	BH-4 (8.0')	Solid	04/06/26 10:31	04/07/26 11:17	Texas
880-70618-2	BH-4 (10.0')	Solid	04/06/26 10:32	04/07/26 11:17	Texas
880-70618-3	BH-4 (16.0')	Solid	04/06/26 10:33	04/07/26 11:17	Texas
880-70618-4	BH-4 (20.0')	Solid	04/06/26 10:34	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70618 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Due Date:	Standard TAT
Project Location	Eddy County, New Mexico		
Sampler's Name:	GPJ/JDC		
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:	-4.3
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-4 (8.0')	4/6/2026	10:31	X		G	1	X	X	X	
BH-4 (10.0')	4/6/2026	10:32	X		G	1	X	X	X	
BH-4 (16.0')	4/6/2026	10:33	X		G	1	X	X	X	
BH-4 (20.0')	4/6/2026	10:34	X		G	1	X	X	X	

ANALYSIS REQUEST — Parameters

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70618-1
SDG Number: Eddy County New Mexico

Login Number: 70618
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70619-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

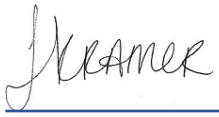
Eurofins Midland

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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4/10/2026 5:54:31 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70619-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70619-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1 Eurofins Midland

Job Narrative
880-70619-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137167 recovered outside control limit for m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-137167/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137188 and 880-137193 and analytical batch 880-137167 was outside the upper control limits.

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137249 and analytical batch 880-137260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (8.0')

Lab Sample ID: 880-70619-1
Matrix: Solid
Date Collected: 04/06/26 10:51
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/09/26 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	<49.9	U	49.9		mg/Kg			04/10/26 03:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:51*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/07/26 18:03*	*04/10/26 03:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**396**		9.98		mg/Kg			04/09/26 14:29	1

Client Sample ID: BH-5 (10.0')

Lab Sample ID: 880-70619-2
Matrix: Solid
Date Collected: 04/06/26 10:52
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 06:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 06:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 06:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (10.0')

Date Collected: 04/06/26 10:52
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70619-2
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			04/09/26 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	<50.0	U	50.0		mg/Kg			04/10/26 04:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:06*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	427		9.92		mg/Kg			04/09/26 14:44	1

Client Sample ID: BH-5 (16.0')

Date Collected: 04/06/26 10:53
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70619-3
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		04/08/26 10:42	04/09/26 06:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 06:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 06:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:42	04/09/26 06:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 06:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:42	04/09/26 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 10:42*	*04/09/26 06:58*	*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			04/09/26 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	<49.8	U	49.8		mg/Kg			04/10/26 04:21	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	49.8		mg/Kg		04/07/26 18:03	04/10/26 04:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 04:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (16.0')

Lab Sample ID: 880-70619-3
Matrix: Solid
Date Collected: 04/06/26 10:53
Date Received: 04/07/26 11:17

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		04/07/26 18:03	04/10/26 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:21*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**223**		9.96		mg/Kg			04/09/26 14:50	1

Client Sample ID: BH-5 (20.0')

Lab Sample ID: 880-70619-4
Matrix: Solid
Date Collected: 04/06/26 10:54
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 07:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 07:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 07:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 07:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 07:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 10:42	04/09/26 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/09/26 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	<49.9	U	49.9		mg/Kg			04/10/26 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:36*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/07/26 18:03*	*04/10/26 04:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		9.92		mg/Kg			04/09/26 14:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70616-A-1-E MS	Matrix Spike	96	103
880-70616-A-1-F MSD	Matrix Spike Duplicate	101	93
880-70619-1	BH-5 (8.0')	111	98
880-70619-2	BH-5 (10.0')	119	104
880-70619-3	BH-5 (16.0')	119	102
880-70619-4	BH-5 (20.0')	120	100
LCS 880-137193/1-A	Lab Control Sample	106	111
LCSD 880-137193/2-A	Lab Control Sample Dup	98	116
MB 880-137188/5-A	Method Blank	205 S1+	111
MB 880-137193/5-A	Method Blank	189 S1+	109

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70617-A-3-C MS	Matrix Spike	87	98
880-70617-A-3-D MSD	Matrix Spike Duplicate	86	98
880-70619-1	BH-5 (8.0')	97	107
880-70619-2	BH-5 (10.0')	86	100
880-70619-3	BH-5 (16.0')	94	104
880-70619-4	BH-5 (20.0')	92	103
LCS 880-137155/2-A	Lab Control Sample	92	97
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
MB 880-137155/1-A	Method Blank	82	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137188/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*

Lab Sample ID: MB 880-137193/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*

Lab Sample ID: LCS 880-137193/1-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09137		mg/Kg		91	70 - 130	12	35
Ethylbenzene			0.100	0.09624		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1810		mg/Kg		90	70 - 130	9	35
o-Xylene			0.100	0.09953		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-70616-A-1-E MS
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-70616-A-1-F MSD
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08694		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09056		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

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		04/07/26 18:03	04/10/26 01:05	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	871.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-70617-A-3-C MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70617-A-3-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137249/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 13:41	1

Lab Sample ID: LCS 880-137249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-137249/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-70618-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	321	F1	251	507.2	F1	mg/Kg		74	90 - 110

Lab Sample ID: 880-70618-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	321	F1	251	508.9	F1	mg/Kg		75	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 137167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	8021B	137193
880-70619-2	BH-5 (10.0')	Total/NA	Solid	8021B	137193
880-70619-3	BH-5 (16.0')	Total/NA	Solid	8021B	137193
880-70619-4	BH-5 (20.0')	Total/NA	Solid	8021B	137193
MB 880-137188/5-A	Method Blank	Total/NA	Solid	8021B	137188
MB 880-137193/5-A	Method Blank	Total/NA	Solid	8021B	137193
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	8021B	137193
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137193
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137193
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137193

Prep Batch: 137188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	5035	
880-70619-2	BH-5 (10.0')	Total/NA	Solid	5035	
880-70619-3	BH-5 (16.0')	Total/NA	Solid	5035	
880-70619-4	BH-5 (20.0')	Total/NA	Solid	5035	
MB 880-137193/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	Total BTEX	
880-70619-2	BH-5 (10.0')	Total/NA	Solid	Total BTEX	
880-70619-3	BH-5 (16.0')	Total/NA	Solid	Total BTEX	
880-70619-4	BH-5 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	8015NM Prep	
880-70619-2	BH-5 (10.0')	Total/NA	Solid	8015NM Prep	
880-70619-3	BH-5 (16.0')	Total/NA	Solid	8015NM Prep	
880-70619-4	BH-5 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	8015B NM	137155

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-2	BH-5 (10.0')	Total/NA	Solid	8015B NM	137155
880-70619-3	BH-5 (16.0')	Total/NA	Solid	8015B NM	137155
880-70619-4	BH-5 (20.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137155
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Total/NA	Solid	8015 NM	
880-70619-2	BH-5 (10.0')	Total/NA	Solid	8015 NM	
880-70619-3	BH-5 (16.0')	Total/NA	Solid	8015 NM	
880-70619-4	BH-5 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Soluble	Solid	DI Leach	
880-70619-2	BH-5 (10.0')	Soluble	Solid	DI Leach	
880-70619-3	BH-5 (16.0')	Soluble	Solid	DI Leach	
880-70619-4	BH-5 (20.0')	Soluble	Solid	DI Leach	
MB 880-137249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70618-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70618-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70619-1	BH-5 (8.0')	Soluble	Solid	300.0	137249
880-70619-2	BH-5 (10.0')	Soluble	Solid	300.0	137249
880-70619-3	BH-5 (16.0')	Soluble	Solid	300.0	137249
880-70619-4	BH-5 (20.0')	Soluble	Solid	300.0	137249
MB 880-137249/1-A	Method Blank	Soluble	Solid	300.0	137249
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	300.0	137249
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137249
880-70618-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	137249
880-70618-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137249

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (8.0')

Lab Sample ID: 880-70619-1
Date Collected: 04/06/26 10:51
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 06:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137306	04/09/26 06:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			137436	04/10/26 03:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 03:51	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:29	CS	EET MID

Client Sample ID: BH-5 (10.0')

Lab Sample ID: 880-70619-2
Date Collected: 04/06/26 10:52
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 06:37	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137306	04/09/26 06:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			137436	04/10/26 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:44	CS	EET MID

Client Sample ID: BH-5 (16.0')

Lab Sample ID: 880-70619-3
Date Collected: 04/06/26 10:53
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 06:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137306	04/09/26 06:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137436	04/10/26 04:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 04:21	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:50	CS	EET MID

Client Sample ID: BH-5 (20.0')

Lab Sample ID: 880-70619-4
Date Collected: 04/06/26 10:54
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 07:18	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137306	04/09/26 07:18	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70619-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-5 (20.0')
Lab Sample ID: 880-70619-4

Date Collected: 04/06/26 10:54
Matrix: Solid
Date Received: 04/07/26 11:17

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			137436	04/10/26 04:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 04:36	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 14:55	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70619-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70619-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70619-1	BH-5 (8.0')	Solid	04/06/26 10:51	04/07/26 11:17	Texas
880-70619-2	BH-5 (10.0')	Solid	04/06/26 10:52	04/07/26 11:17	Texas
880-70619-3	BH-5 (16.0')	Solid	04/06/26 10:53	04/07/26 11:17	Texas
880-70619-4	BH-5 (20.0')	Solid	04/06/26 10:54	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70619 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-5 (8.0')	4/6/2026	10:51	X		G	1		X	X	X	
BH-5 (10.0')	4/6/2026	10:52	X		G	1		X	X	X	
BH-5 (16.0')	4/6/2026	10:53	X		G	1		X	X	X	
BH-5 (20.0')	4/6/2026	10:54	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1157

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70619-1
SDG Number: Eddy County New Mexico

Login Number: 70619
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/10/2026 5:54:31 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70620-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

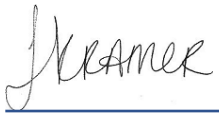
Eurofins Midland

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
4/10/2026 5:54:31 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70620-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70620-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1 Eurofins Midland

Job Narrative
880-70620-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-137167 recovered outside control limit for m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-137167/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137188 and 880-137193 and analytical batch 880-137167 was outside the upper control limits.

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137249 and analytical batch 880-137260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (8.0')

Lab Sample ID: 880-70620-1
Date Collected: 04/06/26 11:11
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 07:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 07:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 07:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 07:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 10:42	04/09/26 07:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 10:42	04/09/26 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 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	<50.0	U	50.0		mg/Kg			04/10/26 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:06*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**539**		10.0		mg/Kg			04/09/26 15:00	1

Client Sample ID: BH-6 (10.0')

Lab Sample ID: 880-70620-2
Date Collected: 04/06/26 11:12
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 07:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 07:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 07:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 07:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 10:42	04/09/26 07:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 10:42	04/09/26 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:59*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 10:42*	*04/09/26 07:59*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (10.0')

Date Collected: 04/06/26 11:12
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70620-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 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	<49.9	U	49.9		mg/Kg			04/10/26 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 05:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 05:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:03	04/10/26 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:22*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**519**		9.94		mg/Kg			04/09/26 15:05	1

Client Sample ID: BH-6 (16.0')

Date Collected: 04/06/26 11:13
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70620-3
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		04/08/26 10:42	04/09/26 08:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 08:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 08:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 08:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 10:42	04/09/26 08:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 10:42	04/09/26 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/08/26 10:42*	*04/09/26 08:20*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 10:42*	*04/09/26 08:20*	*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			04/09/26 08:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 05:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 05:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (16.0')

Lab Sample ID: 880-70620-3
Matrix: Solid
Date Collected: 04/06/26 11:13
Date Received: 04/07/26 11:17

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		04/07/26 18:03	04/10/26 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:37*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**206**	**F1**	10.0		mg/Kg			04/09/26 15:11	1

Client Sample ID: BH-6 (20.0')

Lab Sample ID: 880-70620-4
Matrix: Solid
Date Collected: 04/06/26 11:14
Date Received: 04/07/26 11:17

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		04/08/26 10:42	04/09/26 08:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 08:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 08:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 10:42	04/09/26 08:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 10:42	04/09/26 08:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 10:42	04/09/26 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*04/08/26 10:42*	*04/09/26 08:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 10:42*	*04/09/26 08:40*	*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			04/09/26 08:40	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			04/10/26 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:53*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/07/26 18:03*	*04/10/26 05:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		9.92		mg/Kg			04/09/26 15:26	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70616-A-1-E MS	Matrix Spike	96	103
880-70616-A-1-F MSD	Matrix Spike Duplicate	101	93
880-70620-1	BH-6 (8.0')	125	100
880-70620-2	BH-6 (10.0')	118	101
880-70620-3	BH-6 (16.0')	110	95
880-70620-4	BH-6 (20.0')	120	100
LCS 880-137193/1-A	Lab Control Sample	106	111
LCSD 880-137193/2-A	Lab Control Sample Dup	98	116
MB 880-137188/5-A	Method Blank	205 S1+	111
MB 880-137193/5-A	Method Blank	189 S1+	109

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70617-A-3-C MS	Matrix Spike	87	98
880-70617-A-3-D MSD	Matrix Spike Duplicate	86	98
880-70620-1	BH-6 (8.0')	101	103
880-70620-2	BH-6 (10.0')	92	98
880-70620-3	BH-6 (16.0')	98	102
880-70620-4	BH-6 (20.0')	100	103
LCS 880-137155/2-A	Lab Control Sample	92	97
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
MB 880-137155/1-A	Method Blank	82	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137188/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:10	04/08/26 12:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:10	04/08/26 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/08/26 10:10*	*04/08/26 12:36*	*1*

Lab Sample ID: MB 880-137193/5-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 10:42	04/09/26 00:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 10:42	04/09/26 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/08/26 10:42*	*04/09/26 00:13*	*1*

Lab Sample ID: LCS 880-137193/1-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137193/2-A
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09137		mg/Kg		91	70 - 130	12	35
Ethylbenzene			0.100	0.09624		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1810		mg/Kg		90	70 - 130	9	35
o-Xylene			0.100	0.09953		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-70616-A-1-E MS
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09209		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.09160		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-70616-A-1-F MSD
Matrix: Solid
Analysis Batch: 137167

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08378		mg/Kg		84	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08694		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1673		mg/Kg		84	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09056		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

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		04/07/26 18:03	04/10/26 01:05	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	871.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-70617-A-3-C MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70617-A-3-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137292 — **Prep Batch: 137155**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137249/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 13:41	1

Lab Sample ID: LCS 880-137249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-137249/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-70620-3 MS — **Client Sample ID: BH-6 (16.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	206	F1	250	397.5	F1	mg/Kg		77	90 - 110

Lab Sample ID: 880-70620-3 MSD — **Client Sample ID: BH-6 (16.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	206	F1	250	397.6	F1	mg/Kg		77	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 137167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	8021B	137193
880-70620-2	BH-6 (10.0')	Total/NA	Solid	8021B	137193
880-70620-3	BH-6 (16.0')	Total/NA	Solid	8021B	137193
880-70620-4	BH-6 (20.0')	Total/NA	Solid	8021B	137193
MB 880-137188/5-A	Method Blank	Total/NA	Solid	8021B	137188
MB 880-137193/5-A	Method Blank	Total/NA	Solid	8021B	137193
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	8021B	137193
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137193
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137193
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137193

Prep Batch: 137188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	5035	
880-70620-2	BH-6 (10.0')	Total/NA	Solid	5035	
880-70620-3	BH-6 (16.0')	Total/NA	Solid	5035	
880-70620-4	BH-6 (20.0')	Total/NA	Solid	5035	
MB 880-137193/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137193/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137193/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70616-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70616-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	Total BTEX	
880-70620-2	BH-6 (10.0')	Total/NA	Solid	Total BTEX	
880-70620-3	BH-6 (16.0')	Total/NA	Solid	Total BTEX	
880-70620-4	BH-6 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	8015NM Prep	
880-70620-2	BH-6 (10.0')	Total/NA	Solid	8015NM Prep	
880-70620-3	BH-6 (16.0')	Total/NA	Solid	8015NM Prep	
880-70620-4	BH-6 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	8015B NM	137155

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-2	BH-6 (10.0')	Total/NA	Solid	8015B NM	137155
880-70620-3	BH-6 (16.0')	Total/NA	Solid	8015B NM	137155
880-70620-4	BH-6 (20.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137155
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Total/NA	Solid	8015 NM	
880-70620-2	BH-6 (10.0')	Total/NA	Solid	8015 NM	
880-70620-3	BH-6 (16.0')	Total/NA	Solid	8015 NM	
880-70620-4	BH-6 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Soluble	Solid	DI Leach	
880-70620-2	BH-6 (10.0')	Soluble	Solid	DI Leach	
880-70620-3	BH-6 (16.0')	Soluble	Solid	DI Leach	
880-70620-4	BH-6 (20.0')	Soluble	Solid	DI Leach	
MB 880-137249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70620-3 MS	BH-6 (16.0')	Soluble	Solid	DI Leach	
880-70620-3 MSD	BH-6 (16.0')	Soluble	Solid	DI Leach	

Analysis Batch: 137260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70620-1	BH-6 (8.0')	Soluble	Solid	300.0	137249
880-70620-2	BH-6 (10.0')	Soluble	Solid	300.0	137249
880-70620-3	BH-6 (16.0')	Soluble	Solid	300.0	137249
880-70620-4	BH-6 (20.0')	Soluble	Solid	300.0	137249
MB 880-137249/1-A	Method Blank	Soluble	Solid	300.0	137249
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	300.0	137249
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137249
880-70620-3 MS	BH-6 (16.0')	Soluble	Solid	300.0	137249
880-70620-3 MSD	BH-6 (16.0')	Soluble	Solid	300.0	137249

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70620-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (8.0')
Lab Sample ID: 880-70620-1
Date Collected: 04/06/26 11:11
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 07:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137307	04/09/26 07:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137437	04/10/26 05:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 05:06	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:00	CS	EET MID

Client Sample ID: BH-6 (10.0')
Lab Sample ID: 880-70620-2
Date Collected: 04/06/26 11:12
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 07:59	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137307	04/09/26 07:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			137437	04/10/26 05:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 05:22	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:05	CS	EET MID

Client Sample ID: BH-6 (16.0')
Lab Sample ID: 880-70620-3
Date Collected: 04/06/26 11:13
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 08:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137307	04/09/26 08:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			137437	04/10/26 05:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 05:37	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:11	CS	EET MID

Client Sample ID: BH-6 (20.0')
Lab Sample ID: 880-70620-4
Date Collected: 04/06/26 11:14
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137193	04/08/26 10:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137167	04/09/26 08:40	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137307	04/09/26 08:40	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Client Sample ID: BH-6 (20.0')

Date Collected: 04/06/26 11:14
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70620-4

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			137437	04/10/26 05:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 05:53	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:26	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70620-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70620-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70620-1	BH-6 (8.0')	Solid	04/06/26 11:11	04/07/26 11:17	Texas
880-70620-2	BH-6 (10.0')	Solid	04/06/26 11:12	04/07/26 11:17	Texas
880-70620-3	BH-6 (16.0')	Solid	04/06/26 11:13	04/07/26 11:17	Texas
880-70620-4	BH-6 (20.0')	Solid	04/06/26 11:14	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70620 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Due Date:	Standard TAT
Project Location	Eddy County, New Mexico		
Sampler's Name:	GPJ/JDC		
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:	-4.3
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-6 (8.0')	4/6/2026	11:11	X		G	1		X	X	X	
BH-6 (10.0')	4/6/2026	11:12	X		G	1		X	X	X	
BH-6 (16.0')	4/6/2026	11:13	X		G	1		X	X	X	
BH-6 (20.0')	4/6/2026	11:14	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4.7.26 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70620-1
SDG Number: Eddy County New Mexico

Login Number: 70620
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/10/2026 5:55:03 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70621-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

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
4/10/2026 5:55:03 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70621-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources Job ID: 880-70621-1
Project/Site: Cigarillo PW System ROW (11.03.2018) SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70621-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1 Eurofins Midland

Job Narrative
880-70621-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-137204 and analytical batch 880-137276 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-137204 and analytical batch 880-137276 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137249 and analytical batch 880-137260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (8.0')

Lab Sample ID: 880-70621-1
Date Collected: 04/06/26 11:36
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 11:42	04/09/26 21:22	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 11:42	04/09/26 21:22	1
Ethylbenzene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 11:42	04/09/26 21:22	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		04/08/26 11:42	04/09/26 21:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 11:42	04/09/26 21:22	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		04/08/26 11:42	04/09/26 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*04/08/26 11:42*	*04/09/26 21:22*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 11:42*	*04/09/26 21:22*	*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			04/09/26 21:22	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			04/10/26 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 06:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 06:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:03	04/10/26 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:08*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		9.92		mg/Kg			04/09/26 15:32	1

Client Sample ID: BH-7 (10.0')

Lab Sample ID: 880-70621-2
Date Collected: 04/06/26 11:37
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 11:42	04/09/26 21:42	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 11:42	04/09/26 21:42	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 11:42	04/09/26 21:42	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399		mg/Kg		04/08/26 11:42	04/09/26 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 21:42	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		04/08/26 11:42	04/09/26 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/08/26 11:42*	*04/09/26 21:42*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 11:42*	*04/09/26 21:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (10.0')

Lab Sample ID: 880-70621-2
Matrix: Solid
Date Collected: 04/06/26 11:37
Date Received: 04/07/26 11:17

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			04/09/26 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:23*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		10.0		mg/Kg			04/09/26 15:47	1

Client Sample ID: BH-7 (16.0')

Lab Sample ID: 880-70621-3
Matrix: Solid
Date Collected: 04/06/26 11:38
Date Received: 04/07/26 11:17

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		04/08/26 11:42	04/09/26 22:03	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:42	04/09/26 22:03	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:42	04/09/26 22:03	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402		mg/Kg		04/08/26 11:42	04/09/26 22:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 11:42	04/09/26 22:03	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		04/08/26 11:42	04/09/26 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*04/08/26 11:42*	*04/09/26 22:03*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 11:42*	*04/09/26 22:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 06:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:39	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (16.0')

Lab Sample ID: 880-70621-3
Matrix: Solid
Date Collected: 04/06/26 11:38
Date Received: 04/07/26 11:17

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		04/07/26 18:03	04/10/26 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:39*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		9.94		mg/Kg			04/09/26 15:53	1

Client Sample ID: BH-7 (20.0')

Lab Sample ID: 880-70621-4
Matrix: Solid
Date Collected: 04/06/26 11:39
Date Received: 04/07/26 11:17

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		04/08/26 11:42	04/09/26 22:23	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 11:42	04/09/26 22:23	1
Ethylbenzene	<0.00202	U *-	0.00202		mg/Kg		04/08/26 11:42	04/09/26 22:23	1
m-Xylene & p-Xylene	<0.00404	U *-	0.00404		mg/Kg		04/08/26 11:42	04/09/26 22:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 11:42	04/09/26 22:23	1
Xylenes, Total	<0.00404	U *-	0.00404		mg/Kg		04/08/26 11:42	04/09/26 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*04/08/26 11:42*	*04/09/26 22:23*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 11:42*	*04/09/26 22:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/09/26 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:53*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/07/26 18:03*	*04/10/26 06:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		9.92		mg/Kg			04/09/26 15:58	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70588-A-1-E MS	Matrix Spike	117	110
880-70588-A-1-F MSD	Matrix Spike Duplicate	106	104
880-70621-1	BH-7 (8.0')	108	98
880-70621-2	BH-7 (10.0')	116	94
880-70621-3	BH-7 (16.0')	122	99
880-70621-4	BH-7 (20.0')	118	100
LCS 880-137204/1-A	Lab Control Sample	103	103
LCSD 880-137204/2-A	Lab Control Sample Dup	97	114
MB 880-137204/5-A	Method Blank	201 S1+	114

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70617-A-3-C MS	Matrix Spike	87	98
880-70617-A-3-D MSD	Matrix Spike Duplicate	86	98
880-70621-1	BH-7 (8.0')	93	100
880-70621-2	BH-7 (10.0')	95	99
880-70621-3	BH-7 (16.0')	102	105
880-70621-4	BH-7 (20.0')	92	101
LCS 880-137155/2-A	Lab Control Sample	92	97
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
MB 880-137155/1-A	Method Blank	82	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137204/5-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:42	04/09/26 14:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 11:42	04/09/26 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*04/08/26 11:42*	*04/09/26 14:16*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*04/08/26 11:42*	*04/09/26 14:16*	*1*

Lab Sample ID: LCS 880-137204/1-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08053		mg/Kg		81	70 - 130
Toluene	0.100	0.07152		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.06768	*-	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	0.200	0.1468		mg/Kg		73	70 - 130
o-Xylene	0.100	0.08385		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-137204/2-A
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07785		mg/Kg		78	70 - 130	3	35
Toluene	0.100	0.06385	*-	mg/Kg		64	70 - 130	11	35
Ethylbenzene	0.100	0.06545	*-	mg/Kg		65	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1317	*-	mg/Kg		66	70 - 130	11	35
o-Xylene	0.100	0.07500		mg/Kg		75	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-70588-A-1-E MS
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09818		mg/Kg		98	70 - 130
Toluene	<0.00200	U *-	0.100	0.08403		mg/Kg		84	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70588-A-1-E MS
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *-	0.100	0.08979		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00399	U *-	0.200	0.1903		mg/Kg		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-70588-A-1-F MSD
Matrix: Solid
Analysis Batch: 137276

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09018		mg/Kg		90	70 - 130	8	35
Toluene	<0.00200	U *-	0.100	0.09107		mg/Kg		91	70 - 130	8	35
Ethylbenzene	<0.00200	U *-	0.100	0.08272		mg/Kg		83	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U *-	0.200	0.1693		mg/Kg		85	70 - 130	12	35
o-Xylene	<0.00200	U	0.100	0.09649		mg/Kg		96	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

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		04/07/26 18:03	04/10/26 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	871.0		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-70617-A-3-C MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-70617-A-3-D MSD
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137249/1-A
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 13:41	1

Lab Sample ID: LCS 880-137249/2-A
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.3		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-137249/3-A
Matrix: Solid
Analysis Batch: 137260

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-70620-A-3-D MS
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	206	F1	250	397.5	F1	mg/Kg		77	90 - 110		

Lab Sample ID: 880-70620-A-3-E MSD
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	206	F1	250	397.6	F1	mg/Kg		77	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	5035	
880-70621-2	BH-7 (10.0')	Total/NA	Solid	5035	
880-70621-3	BH-7 (16.0')	Total/NA	Solid	5035	
880-70621-4	BH-7 (20.0')	Total/NA	Solid	5035	
MB 880-137204/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137204/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137204/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70588-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70588-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	8021B	137204
880-70621-2	BH-7 (10.0')	Total/NA	Solid	8021B	137204
880-70621-3	BH-7 (16.0')	Total/NA	Solid	8021B	137204
880-70621-4	BH-7 (20.0')	Total/NA	Solid	8021B	137204
MB 880-137204/5-A	Method Blank	Total/NA	Solid	8021B	137204
LCS 880-137204/1-A	Lab Control Sample	Total/NA	Solid	8021B	137204
LCSD 880-137204/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137204
880-70588-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137204
880-70588-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137204

Analysis Batch: 137415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	Total BTEX	
880-70621-2	BH-7 (10.0')	Total/NA	Solid	Total BTEX	
880-70621-3	BH-7 (16.0')	Total/NA	Solid	Total BTEX	
880-70621-4	BH-7 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	8015NM Prep	
880-70621-2	BH-7 (10.0')	Total/NA	Solid	8015NM Prep	
880-70621-3	BH-7 (16.0')	Total/NA	Solid	8015NM Prep	
880-70621-4	BH-7 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	8015B NM	137155
880-70621-2	BH-7 (10.0')	Total/NA	Solid	8015B NM	137155
880-70621-3	BH-7 (16.0')	Total/NA	Solid	8015B NM	137155
880-70621-4	BH-7 (20.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137155
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Total/NA	Solid	8015 NM	
880-70621-2	BH-7 (10.0')	Total/NA	Solid	8015 NM	
880-70621-3	BH-7 (16.0')	Total/NA	Solid	8015 NM	
880-70621-4	BH-7 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Soluble	Solid	DI Leach	
880-70621-2	BH-7 (10.0')	Soluble	Solid	DI Leach	
880-70621-3	BH-7 (16.0')	Soluble	Solid	DI Leach	
880-70621-4	BH-7 (20.0')	Soluble	Solid	DI Leach	
MB 880-137249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70620-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70620-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70621-1	BH-7 (8.0')	Soluble	Solid	300.0	137249
880-70621-2	BH-7 (10.0')	Soluble	Solid	300.0	137249
880-70621-3	BH-7 (16.0')	Soluble	Solid	300.0	137249
880-70621-4	BH-7 (20.0')	Soluble	Solid	300.0	137249
MB 880-137249/1-A	Method Blank	Soluble	Solid	300.0	137249
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	300.0	137249
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137249
880-70620-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	137249
880-70620-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137249

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (8.0')

Lab Sample ID: 880-70621-1
Matrix: Solid
Date Collected: 04/06/26 11:36
Date Received: 04/07/26 11:17

Prep 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	137204	04/08/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/09/26 21:22	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137415	04/09/26 21:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			137438	04/10/26 06:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 06:08	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:32	CS	EET MID

Client Sample ID: BH-7 (10.0')

Lab Sample ID: 880-70621-2
Matrix: Solid
Date Collected: 04/06/26 11:37
Date Received: 04/07/26 11:17

Prep 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	137204	04/08/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/09/26 21:42	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137415	04/09/26 21:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			137438	04/10/26 06:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 06:23	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:47	CS	EET MID

Client Sample ID: BH-7 (16.0')

Lab Sample ID: 880-70621-3
Matrix: Solid
Date Collected: 04/06/26 11:38
Date Received: 04/07/26 11:17

Prep 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	137204	04/08/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/09/26 22:03	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137415	04/09/26 22:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			137438	04/10/26 06:39	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 06:39	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:53	CS	EET MID

Client Sample ID: BH-7 (20.0')

Lab Sample ID: 880-70621-4
Matrix: Solid
Date Collected: 04/06/26 11:39
Date Received: 04/07/26 11:17

Prep 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	137204	04/08/26 11:42	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137276	04/09/26 22:23	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137415	04/09/26 22:23	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Client Sample ID: BH-7 (20.0')

Date Collected: 04/06/26 11:39
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70621-4

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			137438	04/10/26 06:53	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 06:53	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 15:58	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70621-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70621-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70621-1	BH-7 (8.0')	Solid	04/06/26 11:36	04/07/26 11:17	Texas
880-70621-2	BH-7 (10.0')	Solid	04/06/26 11:37	04/07/26 11:17	Texas
880-70621-3	BH-7 (16.0')	Solid	04/06/26 11:38	04/07/26 11:17	Texas
880-70621-4	BH-7 (20.0')	Solid	04/06/26 11:39	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70621 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Due Date:	Standard TAT
Project Location	Eddy County, New Mexico		
Sampler's Name:	GPJ/JDC		
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:	-4.3
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-7 (8.0')	4/6/2026	11:36	X		G	1		X	X	X	
BH-7 (10.0')	4/6/2026	11:37	X		G	1		X	X	X	
BH-7 (16.0')	4/6/2026	11:38	X		G	1		X	X	X	
BH-7 (20.0')	4/6/2026	11:39	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4.7.26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70621-1
SDG Number: Eddy County New Mexico

Login Number: 70621
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/13/2026 3:33:39 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70623-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

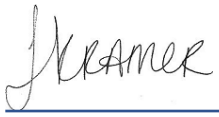
Eurofins Midland

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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Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70623-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources Job ID: 880-70623-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1 Eurofins Midland

Job Narrative
880-70623-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-137205 and analytical batch 880-137277 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-137249 and analytical batch 880-137260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (8.0')

Lab Sample ID: 880-70623-1
Date Collected: 04/06/26 12:01
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 11:50	04/09/26 20:20	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 11:50	04/09/26 20:20	1
Ethylbenzene	<0.00198	U *-	0.00198		mg/Kg		04/08/26 11:50	04/09/26 20:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 11:50	04/09/26 20:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 11:50	04/09/26 20:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 11:50	04/09/26 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 11:50*	*04/09/26 20:20*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 11:50*	*04/09/26 20:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/09/26 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/10/26 07:09	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	<50.2	U	50.2		mg/Kg		04/07/26 18:03	04/10/26 07:09	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/07/26 18:03	04/10/26 07:09	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/07/26 18:03	04/10/26 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:03*	*04/10/26 07:09*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/07/26 18:03*	*04/10/26 07:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		9.98		mg/Kg			04/09/26 16:03	1

Client Sample ID: BH-8 (10.0')

Lab Sample ID: 880-70623-2
Date Collected: 04/06/26 12:02
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 11:50	04/09/26 20:41	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 11:50	04/09/26 20:41	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		04/08/26 11:50	04/09/26 20:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 11:50	04/09/26 20:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 20:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 11:50	04/09/26 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 11:50*	*04/09/26 20:41*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 11:50*	*04/09/26 20:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (10.0')

Lab Sample ID: 880-70623-2
Matrix: Solid
Date Collected: 04/06/26 12:02
Date Received: 04/07/26 11:17

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			04/09/26 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 07:24	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	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 07:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 07:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:03	04/10/26 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*04/07/26 18:03*	*04/10/26 07:24*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/07/26 18:03*	*04/10/26 07:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		10.0		mg/Kg			04/09/26 16:08	1

Client Sample ID: BH-8 (16.0')

Lab Sample ID: 880-70623-3
Matrix: Solid
Date Collected: 04/06/26 12:03
Date Received: 04/07/26 11:17

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		04/08/26 11:50	04/09/26 21:02	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:02	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 11:50	04/09/26 21:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 11:50	04/09/26 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 11:50*	*04/09/26 21:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 11:50*	*04/09/26 21:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 21:02	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			04/10/26 16:16	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	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 16:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 16:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (16.0')

Lab Sample ID: 880-70623-3
Matrix: Solid
Date Collected: 04/06/26 12:03
Date Received: 04/07/26 11:17

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		04/07/26 18:05	04/10/26 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*04/07/26 18:05*	*04/10/26 16:16*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:05*	*04/10/26 16:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		9.94		mg/Kg			04/09/26 16:14	1

Client Sample ID: BH-8 (20.0')

Lab Sample ID: 880-70623-4
Matrix: Solid
Date Collected: 04/06/26 12:04
Date Received: 04/07/26 11:17

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		04/08/26 11:50	04/09/26 21:22	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:22	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 11:50	04/09/26 21:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 11:50	04/09/26 21:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 11:50	04/09/26 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/08/26 11:50*	*04/09/26 21:22*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 11:50*	*04/09/26 21:22*	*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			04/09/26 21:22	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			04/10/26 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 17:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 17:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:03*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		10.1		mg/Kg			04/09/26 16:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70590-A-1-C MS	Matrix Spike	102	99
880-70590-A-1-D MSD	Matrix Spike Duplicate	99	102
880-70623-1	BH-8 (8.0')	104	99
880-70623-2	BH-8 (10.0')	99	94
880-70623-3	BH-8 (16.0')	106	101
880-70623-4	BH-8 (20.0')	107	101
LCS 880-137205/1-A	Lab Control Sample	107	98
LCSD 880-137205/2-A	Lab Control Sample Dup	111	94
MB 880-137205/5-A	Method Blank	96	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70617-A-3-C MS	Matrix Spike	87	98
880-70617-A-3-D MSD	Matrix Spike Duplicate	86	98
880-70623-1	BH-8 (8.0')	86	91
880-70623-2	BH-8 (10.0')	85	96
880-70623-3	BH-8 (16.0')	95	102
880-70623-3 MS	BH-8 (16.0')	92	102
880-70623-3 MSD	BH-8 (16.0')	90	101
880-70623-4	BH-8 (20.0')	96	102
LCS 880-137155/2-A	Lab Control Sample	92	97
LCS 880-137156/2-A	Lab Control Sample	95	101
LCSD 880-137155/3-A	Lab Control Sample Dup	94	99
LCSD 880-137156/3-A	Lab Control Sample Dup	97	104
MB 880-137155/1-A	Method Blank	82	80
MB 880-137156/1-A	Method Blank	86	86

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137205/5-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 11:50	04/09/26 13:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 11:50*	*04/09/26 13:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 11:50*	*04/09/26 13:47*	*1*

Lab Sample ID: LCS 880-137205/1-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.06784	*-	mg/Kg		68	70 - 130
Toluene	0.100	0.06849	*-	mg/Kg		68	70 - 130
Ethylbenzene	0.100	0.06810	*-	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	0.200	0.1419		mg/Kg		71	70 - 130
o-Xylene	0.100	0.07350		mg/Kg		74	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-137205/2-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07120		mg/Kg		71	70 - 130	5	35
Toluene	0.100	0.08023		mg/Kg		80	70 - 130	16	35
Ethylbenzene	0.100	0.07929		mg/Kg		79	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1602		mg/Kg		80	70 - 130	12	35
o-Xylene	0.100	0.08226		mg/Kg		82	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-70590-A-1-C MS
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *-	0.100	0.09828		mg/Kg		98	70 - 130
Toluene	<0.00200	U *-	0.100	0.09492		mg/Kg		95	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70590-A-1-C MS
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *-	0.100	0.09226		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1850		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09435		mg/Kg		94	70 - 130

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

Lab Sample ID: 880-70590-A-1-D MSD
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.100	0.09681		mg/Kg		97	70 - 130	2	35
Toluene	<0.00200	U *-	0.100	0.09321		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00200	U *-	0.100	0.08808		mg/Kg		88	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1784		mg/Kg		89	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.08877		mg/Kg		89	70 - 130	6	35

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

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

Lab Sample ID: MB 880-137155/1-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137155

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		04/07/26 18:03	04/10/26 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:03	04/10/26 01:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*04/07/26 18:03*	*04/10/26 01:05*	*1*

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	871.0		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-137155/2-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137155

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-137155/3-A
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137155

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	890.1		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-70617-A-3-C MS
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	844.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1016		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-70617-A-3-D MSD
Matrix: Solid
Analysis Batch: 137292

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	845.5		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		100	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

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		04/07/26 18:05	04/10/26 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*

Lab Sample ID: LCS 880-137156/2-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	892.5		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-137156/3-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	906.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1103		mg/Kg		110	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-70623-3 MS
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: BH-8 (16.0')
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	833.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	994.6		mg/Kg		97	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70623-3 MS
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: BH-8 (16.0')
Prep Type: Total/NA
Prep Batch: 137156

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-70623-3 MSD
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: BH-8 (16.0')
Prep Type: Total/NA
Prep Batch: 137156

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	<50.1	U	1000	831.6		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	993.1		mg/Kg		97	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	101		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137249/1-A
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 13:41	1

Lab Sample ID: LCS 880-137249/2-A
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.3		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-137249/3-A
Matrix: Solid
Analysis Batch: 137260

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-70620-A-3-D MS
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	206	F1	250	397.5	F1	mg/Kg		77	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-70620-A-3-E MSD
Matrix: Solid
Analysis Batch: 137260

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	206	F1	250	397.6	F1	mg/Kg		77	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	5035	
880-70623-2	BH-8 (10.0')	Total/NA	Solid	5035	
880-70623-3	BH-8 (16.0')	Total/NA	Solid	5035	
880-70623-4	BH-8 (20.0')	Total/NA	Solid	5035	
MB 880-137205/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137205/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137205/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70590-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-70590-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	8021B	137205
880-70623-2	BH-8 (10.0')	Total/NA	Solid	8021B	137205
880-70623-3	BH-8 (16.0')	Total/NA	Solid	8021B	137205
880-70623-4	BH-8 (20.0')	Total/NA	Solid	8021B	137205
MB 880-137205/5-A	Method Blank	Total/NA	Solid	8021B	137205
LCS 880-137205/1-A	Lab Control Sample	Total/NA	Solid	8021B	137205
LCSD 880-137205/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137205
880-70590-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	137205
880-70590-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137205

Analysis Batch: 137419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	Total BTEX	
880-70623-2	BH-8 (10.0')	Total/NA	Solid	Total BTEX	
880-70623-3	BH-8 (16.0')	Total/NA	Solid	Total BTEX	
880-70623-4	BH-8 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	8015NM Prep	
880-70623-2	BH-8 (10.0')	Total/NA	Solid	8015NM Prep	
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 137156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-3	BH-8 (16.0')	Total/NA	Solid	8015NM Prep	
880-70623-4	BH-8 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70623-3 MS	BH-8 (16.0')	Total/NA	Solid	8015NM Prep	
880-70623-3 MSD	BH-8 (16.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

GC Semi VOA

Analysis Batch: 137292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	8015B NM	137155
880-70623-2	BH-8 (10.0')	Total/NA	Solid	8015B NM	137155
MB 880-137155/1-A	Method Blank	Total/NA	Solid	8015B NM	137155
LCS 880-137155/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137155
LCSD 880-137155/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137155
880-70617-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	137155
880-70617-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137155

Analysis Batch: 137401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-3	BH-8 (16.0')	Total/NA	Solid	8015B NM	137156
880-70623-4	BH-8 (20.0')	Total/NA	Solid	8015B NM	137156
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015B NM	137156
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137156
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137156
880-70623-3 MS	BH-8 (16.0')	Total/NA	Solid	8015B NM	137156
880-70623-3 MSD	BH-8 (16.0')	Total/NA	Solid	8015B NM	137156

Analysis Batch: 137439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Total/NA	Solid	8015 NM	
880-70623-2	BH-8 (10.0')	Total/NA	Solid	8015 NM	
880-70623-3	BH-8 (16.0')	Total/NA	Solid	8015 NM	
880-70623-4	BH-8 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Soluble	Solid	DI Leach	
880-70623-2	BH-8 (10.0')	Soluble	Solid	DI Leach	
880-70623-3	BH-8 (16.0')	Soluble	Solid	DI Leach	
880-70623-4	BH-8 (20.0')	Soluble	Solid	DI Leach	
MB 880-137249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70620-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70620-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70623-1	BH-8 (8.0')	Soluble	Solid	300.0	137249
880-70623-2	BH-8 (10.0')	Soluble	Solid	300.0	137249
880-70623-3	BH-8 (16.0')	Soluble	Solid	300.0	137249
880-70623-4	BH-8 (20.0')	Soluble	Solid	300.0	137249
MB 880-137249/1-A	Method Blank	Soluble	Solid	300.0	137249
LCS 880-137249/2-A	Lab Control Sample	Soluble	Solid	300.0	137249
LCSD 880-137249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137249
880-70620-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	137249
880-70620-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137249

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70623-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (8.0')
Lab Sample ID: 880-70623-1
Date Collected: 04/06/26 12:01
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137205	04/08/26 11:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/09/26 20:20	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137419	04/09/26 20:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			137439	04/10/26 07:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 07:09	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 16:03	CS	EET MID

Client Sample ID: BH-8 (10.0')
Lab Sample ID: 880-70623-2
Date Collected: 04/06/26 12:02
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137205	04/08/26 11:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/09/26 20:41	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137419	04/09/26 20:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			137439	04/10/26 07:24	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137155	04/07/26 18:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137292	04/10/26 07:24	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 16:08	CS	EET MID

Client Sample ID: BH-8 (16.0')
Lab Sample ID: 880-70623-3
Date Collected: 04/06/26 12:03
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137205	04/08/26 11:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/09/26 21:02	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137419	04/09/26 21:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			137439	04/10/26 16:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 16:16	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 16:14	CS	EET MID

Client Sample ID: BH-8 (20.0')
Lab Sample ID: 880-70623-4
Date Collected: 04/06/26 12:04
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137205	04/08/26 11:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/09/26 21:22	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137419	04/09/26 21:22	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Client Sample ID: BH-8 (20.0')

Date Collected: 04/06/26 12:04
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70623-4

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			137439	04/10/26 17:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 17:03	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137249	04/08/26 15:03	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137260	04/09/26 16:19	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70623-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70623-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70623-1	BH-8 (8.0')	Solid	04/06/26 12:01	04/07/26 11:17	Texas
880-70623-2	BH-8 (10.0')	Solid	04/06/26 12:02	04/07/26 11:17	Texas
880-70623-3	BH-8 (16.0')	Solid	04/06/26 12:03	04/07/26 11:17	Texas
880-70623-4	BH-8 (20.0')	Solid	04/06/26 12:04	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70623 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Pres. Code	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.9
Total Containers:		Corrected Temperature:	

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-8 (8.0')	4/6/2026	12:01	X		G	1	X	X	X	
BH-8 (10.0')	4/6/2026	12:02	X		G	1	X	X	X	
BH-8 (16.0')	4/6/2026	12:03	X		G	1	X	X	X	
BH-8 (20.0')	4/6/2026	12:04	X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70623-1
SDG Number: Eddy County New Mexico

Login Number: 70623
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/13/2026 3:28:08 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70624-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

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
4/13/2026 3:28:08 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70624-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 880-70624-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1 Eurofins Midland

Job Narrative
880-70624-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (8.0')

Lab Sample ID: 880-70624-1
Matrix: Solid
Date Collected: 04/06/26 12:26
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 01:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/09/26 01:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/09/26 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 12:16*	*04/09/26 01:12*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 12:16*	*04/09/26 01:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/09/26 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 17:18	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	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:18*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**312**		10.0		mg/Kg			04/09/26 09:48	1

Client Sample ID: BH-9 (10.0')

Lab Sample ID: 880-70624-2
Matrix: Solid
Date Collected: 04/06/26 12:27
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 01:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 12:16	04/09/26 01:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 01:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 12:16	04/09/26 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/08/26 12:16*	*04/09/26 01:32*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 12:16*	*04/09/26 01:32*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (10.0')

Lab Sample ID: 880-70624-2
Matrix: Solid
Date Collected: 04/06/26 12:27
Date Received: 04/07/26 11:17

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			04/09/26 01:32	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			04/10/26 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 17:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:33*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**358**		10.1		mg/Kg			04/09/26 10:04	1

Client Sample ID: BH-9 (16.0')

Lab Sample ID: 880-70624-3
Matrix: Solid
Date Collected: 04/06/26 12:28
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 03:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:16	04/09/26 03:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:16	04/09/26 03:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 12:16	04/09/26 03:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:16	04/09/26 03:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 12:16	04/09/26 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:05*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/09/26 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 17:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 17:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (16.0')

Lab Sample ID: 880-70624-3
Matrix: Solid
Date Collected: 04/06/26 12:28
Date Received: 04/07/26 11:17

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		04/07/26 18:05	04/10/26 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:49*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/07/26 18:05*	*04/10/26 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		9.96		mg/Kg			04/09/26 10:09	1

Client Sample ID: BH-9 (20.0')

Lab Sample ID: 880-70624-4
Matrix: Solid
Date Collected: 04/06/26 12:29
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 03:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:16	04/09/26 03:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:16	04/09/26 03:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 12:16	04/09/26 03:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:16	04/09/26 03:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 12:16	04/09/26 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:26*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:26*	*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			04/09/26 03:26	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			04/10/26 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	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:04*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.1**		9.92		mg/Kg			04/09/26 10:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70592-A-1-E MS	Matrix Spike	105	98
880-70592-A-1-F MSD	Matrix Spike Duplicate	108	100
880-70624-1	BH-9 (8.0')	105	94
880-70624-2	BH-9 (10.0')	92	101
880-70624-3	BH-9 (16.0')	95	101
880-70624-4	BH-9 (20.0')	106	95
LCS 880-137206/1-A	Lab Control Sample	106	100
LCSD 880-137206/2-A	Lab Control Sample Dup	100	101
MB 880-137103/5-A	Method Blank	101	94
MB 880-137206/5-A	Method Blank	97	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70623-A-3-B MS	Matrix Spike	92	102
880-70623-A-3-C MSD	Matrix Spike Duplicate	90	101
880-70624-1	BH-9 (8.0')	96	105
880-70624-2	BH-9 (10.0')	94	117
880-70624-3	BH-9 (16.0')	92	95
880-70624-4	BH-9 (20.0')	87	94
LCS 880-137156/2-A	Lab Control Sample	95	101
LCSD 880-137156/3-A	Lab Control Sample Dup	97	104
MB 880-137156/1-A	Method Blank	86	86

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137103/5-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/26 14:40	04/08/26 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/07/26 14:40*	*04/08/26 10:51*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/07/26 14:40*	*04/08/26 10:51*	*1*

Lab Sample ID: MB 880-137206/5-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/08/26 22:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:16*	*04/08/26 22:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 12:16*	*04/08/26 22:06*	*1*

Lab Sample ID: LCS 880-137206/1-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09415		mg/Kg		94	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2146		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-137206/2-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09624		mg/Kg		96	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137206/2-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137206

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1093		mg/Kg		109	70 - 130	2	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2033		mg/Kg		102	70 - 130	5	35
o-Xylene			0.100	0.09713		mg/Kg		97	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-70592-A-1-E MS
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08284		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.09230		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08418		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1639		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.07646		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-70592-A-1-F MSD
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08559		mg/Kg		86	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09646		mg/Kg		96	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08792		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1732		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.07987		mg/Kg		80	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

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		04/07/26 18:05	04/10/26 15:24	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*

Lab Sample ID: LCS 880-137156/2-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	892.5		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-137156/3-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	906.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1103		mg/Kg		110	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-70623-A-3-B MS
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	833.3		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	994.6		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70623-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137401 — **Prep Batch: 137156**

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	<50.1	U	1000	831.6		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	993.1		mg/Kg		97	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137250/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 09:33	1

Lab Sample ID: LCS 880-137250/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-137250/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-70624-1 MS — **Client Sample ID: BH-9 (8.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	312		251	552.9		mg/Kg		96	90 - 110

Lab Sample ID: 880-70624-1 MSD — **Client Sample ID: BH-9 (8.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	312		251	553.6		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137103/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 137166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	8021B	137206
880-70624-2	BH-9 (10.0')	Total/NA	Solid	8021B	137206
880-70624-3	BH-9 (16.0')	Total/NA	Solid	8021B	137206
880-70624-4	BH-9 (20.0')	Total/NA	Solid	8021B	137206
MB 880-137103/5-A	Method Blank	Total/NA	Solid	8021B	137103
MB 880-137206/5-A	Method Blank	Total/NA	Solid	8021B	137206
LCS 880-137206/1-A	Lab Control Sample	Total/NA	Solid	8021B	137206
LCSD 880-137206/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137206
880-70592-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137206
880-70592-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137206

Prep Batch: 137206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	5035	
880-70624-2	BH-9 (10.0')	Total/NA	Solid	5035	
880-70624-3	BH-9 (16.0')	Total/NA	Solid	5035	
880-70624-4	BH-9 (20.0')	Total/NA	Solid	5035	
MB 880-137206/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137206/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137206/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70592-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70592-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	Total BTEX	
880-70624-2	BH-9 (10.0')	Total/NA	Solid	Total BTEX	
880-70624-3	BH-9 (16.0')	Total/NA	Solid	Total BTEX	
880-70624-4	BH-9 (20.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	8015NM Prep	
880-70624-2	BH-9 (10.0')	Total/NA	Solid	8015NM Prep	
880-70624-3	BH-9 (16.0')	Total/NA	Solid	8015NM Prep	
880-70624-4	BH-9 (20.0')	Total/NA	Solid	8015NM Prep	
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	8015B NM	137156

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-2	BH-9 (10.0')	Total/NA	Solid	8015B NM	137156
880-70624-3	BH-9 (16.0')	Total/NA	Solid	8015B NM	137156
880-70624-4	BH-9 (20.0')	Total/NA	Solid	8015B NM	137156
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015B NM	137156
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137156
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137156
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	137156
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137156

Analysis Batch: 137590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Total/NA	Solid	8015 NM	
880-70624-2	BH-9 (10.0')	Total/NA	Solid	8015 NM	
880-70624-3	BH-9 (16.0')	Total/NA	Solid	8015 NM	
880-70624-4	BH-9 (20.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Soluble	Solid	DI Leach	
880-70624-2	BH-9 (10.0')	Soluble	Solid	DI Leach	
880-70624-3	BH-9 (16.0')	Soluble	Solid	DI Leach	
880-70624-4	BH-9 (20.0')	Soluble	Solid	DI Leach	
MB 880-137250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70624-1 MS	BH-9 (8.0')	Soluble	Solid	DI Leach	
880-70624-1 MSD	BH-9 (8.0')	Soluble	Solid	DI Leach	

Analysis Batch: 137266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70624-1	BH-9 (8.0')	Soluble	Solid	300.0	137250
880-70624-2	BH-9 (10.0')	Soluble	Solid	300.0	137250
880-70624-3	BH-9 (16.0')	Soluble	Solid	300.0	137250
880-70624-4	BH-9 (20.0')	Soluble	Solid	300.0	137250
MB 880-137250/1-A	Method Blank	Soluble	Solid	300.0	137250
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	300.0	137250
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137250
880-70624-1 MS	BH-9 (8.0')	Soluble	Solid	300.0	137250
880-70624-1 MSD	BH-9 (8.0')	Soluble	Solid	300.0	137250

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70624-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (8.0')
Lab Sample ID: 880-70624-1
Date Collected: 04/06/26 12:26
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 01:12	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137321	04/09/26 01:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			137590	04/10/26 17:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 17:18	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 09:48	CS	EET MID

Client Sample ID: BH-9 (10.0')
Lab Sample ID: 880-70624-2
Date Collected: 04/06/26 12:27
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 01:32	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137321	04/09/26 01:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			137590	04/10/26 17:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 17:33	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:04	CS	EET MID

Client Sample ID: BH-9 (16.0')
Lab Sample ID: 880-70624-3
Date Collected: 04/06/26 12:28
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 03:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137321	04/09/26 03:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			137590	04/10/26 17:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 17:49	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:09	CS	EET MID

Client Sample ID: BH-9 (20.0')
Lab Sample ID: 880-70624-4
Date Collected: 04/06/26 12:29
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 03:26	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137321	04/09/26 03:26	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Client Sample ID: BH-9 (20.0')

Date Collected: 04/06/26 12:29
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70624-4

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			137590	04/10/26 18:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 18:04	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:15	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70624-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70624-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70624-1	BH-9 (8.0')	Solid	04/06/26 12:26	04/07/26 11:17	Texas
880-70624-2	BH-9 (10.0')	Solid	04/06/26 12:27	04/07/26 11:17	Texas
880-70624-3	BH-9 (16.0')	Solid	04/06/26 12:28	04/07/26 11:17	Texas
880-70624-4	BH-9 (20.0')	Solid	04/06/26 12:29	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70624 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-9 (8.0')	4/6/2026	12:26	X		G	1		X	X	X	
BH-9 (10.0')	4/6/2026	12:27	X		G	1		X	X	X	
BH-9 (16.0')	4/6/2026	12:28	X		G	1		X	X	X	
BH-9 (20.0')	4/6/2026	12:29	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70624-1
SDG Number: Eddy County New Mexico

Login Number: 70624
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/13/2026 3:28:08 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70625-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

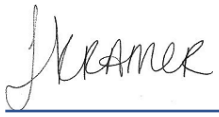
Eurofins Midland

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
4/13/2026 3:28:08 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70625-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 880-70625-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1 Eurofins Midland

Job Narrative
880-70625-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (8.0')

Lab Sample ID: 880-70625-1
Matrix: Solid
Date Collected: 04/06/26 12:51
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 03:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:16	04/09/26 03:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:16	04/09/26 03:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 12:16	04/09/26 03:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:16	04/09/26 03:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 12:16	04/09/26 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:46*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/08/26 12:16*	*04/09/26 03:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/09/26 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:20*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.1**		9.98		mg/Kg			04/09/26 10:20	1

Client Sample ID: BH-10 (10.0')

Lab Sample ID: 880-70625-2
Matrix: Solid
Date Collected: 04/06/26 12:52
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 04:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:16	04/09/26 04:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:16	04/09/26 04:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 12:16	04/09/26 04:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:16	04/09/26 04:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 12:16	04/09/26 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:07*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:07*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (10.0')

Date Collected: 04/06/26 12:52
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70625-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/09/26 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 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	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 18:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:35*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.9**		9.92		mg/Kg			04/09/26 10:35	1

Client Sample ID: BH-10 (12.0')

Date Collected: 04/06/26 12:53
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70625-3
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		04/08/26 12:16	04/09/26 04:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/09/26 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/09/26 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:27*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:27*	*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			04/09/26 04:27	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			04/10/26 18:50	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		04/07/26 18:05	04/10/26 18:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 18:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (12.0')

Lab Sample ID: 880-70625-3
Matrix: Solid
Date Collected: 04/06/26 12:53
Date Received: 04/07/26 11:17

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		04/07/26 18:05	04/10/26 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:50*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:05*	*04/10/26 18:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.7**		10.0		mg/Kg			04/09/26 10:41	1

Client Sample ID: BH-10 (14.0')

Lab Sample ID: 880-70625-4
Matrix: Solid
Date Collected: 04/06/26 12:54
Date Received: 04/07/26 11:17

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		04/08/26 12:16	04/09/26 04:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 12:16	04/09/26 04:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/09/26 04:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 12:16	04/09/26 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:48*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/08/26 12:16*	*04/09/26 04:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/09/26 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/10/26 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 19:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 19:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:05*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		9.96		mg/Kg			04/09/26 10:46	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70592-A-1-E MS	Matrix Spike	105	98
880-70592-A-1-F MSD	Matrix Spike Duplicate	108	100
880-70625-1	BH-10 (8.0')	100	93
880-70625-2	BH-10 (10.0')	92	101
880-70625-3	BH-10 (12.0')	105	94
880-70625-4	BH-10 (14.0')	101	93
LCS 880-137206/1-A	Lab Control Sample	106	100
LCSD 880-137206/2-A	Lab Control Sample Dup	100	101
MB 880-137103/5-A	Method Blank	101	94
MB 880-137206/5-A	Method Blank	97	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-70623-A-3-B MS	Matrix Spike	92	102
880-70623-A-3-C MSD	Matrix Spike Duplicate	90	101
880-70625-1	BH-10 (8.0')	89	95
880-70625-2	BH-10 (10.0')	92	94
880-70625-3	BH-10 (12.0')	93	98
880-70625-4	BH-10 (14.0')	91	98
LCS 880-137156/2-A	Lab Control Sample	95	101
LCSD 880-137156/3-A	Lab Control Sample Dup	97	104
MB 880-137156/1-A	Method Blank	86	86

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137103/5-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/26 14:40	04/08/26 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/26 14:40	04/08/26 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/07/26 14:40*	*04/08/26 10:51*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/07/26 14:40*	*04/08/26 10:51*	*1*

Lab Sample ID: MB 880-137206/5-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:16	04/08/26 22:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:16	04/08/26 22:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:16*	*04/08/26 22:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 12:16*	*04/08/26 22:06*	*1*

Lab Sample ID: LCS 880-137206/1-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09415		mg/Kg		94	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2146		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-137206/2-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09624		mg/Kg		96	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137206/2-A
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137206

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1093		mg/Kg		109	70 - 130	2	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2033		mg/Kg		102	70 - 130	5	35
o-Xylene			0.100	0.09713		mg/Kg		97	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-70592-A-1-E MS
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08284		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.09230		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08418		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1639		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.07646		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-70592-A-1-F MSD
Matrix: Solid
Analysis Batch: 137166

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 137206

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08559		mg/Kg		86	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09646		mg/Kg		96	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08792		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1732		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.07987		mg/Kg		80	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

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		04/07/26 18:05	04/10/26 15:24	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*

Lab Sample ID: LCS 880-137156/2-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	892.5		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-137156/3-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	906.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1103		mg/Kg		110	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-70623-A-3-B MS
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	833.3		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	994.6		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70623-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137401 — **Prep Batch: 137156**

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	<50.1	U	1000	831.6		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	993.1		mg/Kg		97	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137250/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 09:33	1

Lab Sample ID: LCS 880-137250/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-137250/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-70624-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	312		251	552.9		mg/Kg		96	90 - 110

Lab Sample ID: 880-70624-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	312		251	553.6		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137103/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 137166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	8021B	137206
880-70625-2	BH-10 (10.0')	Total/NA	Solid	8021B	137206
880-70625-3	BH-10 (12.0')	Total/NA	Solid	8021B	137206
880-70625-4	BH-10 (14.0')	Total/NA	Solid	8021B	137206
MB 880-137103/5-A	Method Blank	Total/NA	Solid	8021B	137103
MB 880-137206/5-A	Method Blank	Total/NA	Solid	8021B	137206
LCS 880-137206/1-A	Lab Control Sample	Total/NA	Solid	8021B	137206
LCSD 880-137206/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137206
880-70592-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	137206
880-70592-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	137206

Prep Batch: 137206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	5035	
880-70625-2	BH-10 (10.0')	Total/NA	Solid	5035	
880-70625-3	BH-10 (12.0')	Total/NA	Solid	5035	
880-70625-4	BH-10 (14.0')	Total/NA	Solid	5035	
MB 880-137206/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137206/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137206/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70592-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-70592-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 137322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	Total BTEX	
880-70625-2	BH-10 (10.0')	Total/NA	Solid	Total BTEX	
880-70625-3	BH-10 (12.0')	Total/NA	Solid	Total BTEX	
880-70625-4	BH-10 (14.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	8015NM Prep	
880-70625-2	BH-10 (10.0')	Total/NA	Solid	8015NM Prep	
880-70625-3	BH-10 (12.0')	Total/NA	Solid	8015NM Prep	
880-70625-4	BH-10 (14.0')	Total/NA	Solid	8015NM Prep	
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	8015B NM	137156

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-2	BH-10 (10.0')	Total/NA	Solid	8015B NM	137156
880-70625-3	BH-10 (12.0')	Total/NA	Solid	8015B NM	137156
880-70625-4	BH-10 (14.0')	Total/NA	Solid	8015B NM	137156
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015B NM	137156
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137156
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137156
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	137156
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137156

Analysis Batch: 137591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Total/NA	Solid	8015 NM	
880-70625-2	BH-10 (10.0')	Total/NA	Solid	8015 NM	
880-70625-3	BH-10 (12.0')	Total/NA	Solid	8015 NM	
880-70625-4	BH-10 (14.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Soluble	Solid	DI Leach	
880-70625-2	BH-10 (10.0')	Soluble	Solid	DI Leach	
880-70625-3	BH-10 (12.0')	Soluble	Solid	DI Leach	
880-70625-4	BH-10 (14.0')	Soluble	Solid	DI Leach	
MB 880-137250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70624-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-70624-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 137266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70625-1	BH-10 (8.0')	Soluble	Solid	300.0	137250
880-70625-2	BH-10 (10.0')	Soluble	Solid	300.0	137250
880-70625-3	BH-10 (12.0')	Soluble	Solid	300.0	137250
880-70625-4	BH-10 (14.0')	Soluble	Solid	300.0	137250
MB 880-137250/1-A	Method Blank	Soluble	Solid	300.0	137250
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	300.0	137250
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137250
880-70624-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	137250
880-70624-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	137250

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (8.0')

Lab Sample ID: 880-70625-1

Date Collected: 04/06/26 12:51
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 03:46	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137322	04/09/26 03:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			137591	04/10/26 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 18:20	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:20	CS	EET MID

Client Sample ID: BH-10 (10.0')

Lab Sample ID: 880-70625-2

Date Collected: 04/06/26 12:52
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 04:07	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137322	04/09/26 04:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			137591	04/10/26 18:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 18:35	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:35	CS	EET MID

Client Sample ID: BH-10 (12.0')

Lab Sample ID: 880-70625-3

Date Collected: 04/06/26 12:53
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 04:27	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137322	04/09/26 04:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			137591	04/10/26 18:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 18:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:41	CS	EET MID

Client Sample ID: BH-10 (14.0')

Lab Sample ID: 880-70625-4

Date Collected: 04/06/26 12:54
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137206	04/08/26 12:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137166	04/09/26 04:48	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137322	04/09/26 04:48	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-70625-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Client Sample ID: BH-10 (14.0')
Lab Sample ID: 880-70625-4

Date Collected: 04/06/26 12:54
Matrix: Solid
Date Received: 04/07/26 11:17

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			137591	04/10/26 19:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 19:05	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:46	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70625-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70625-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70625-1	BH-10 (8.0')	Solid	04/06/26 12:51	04/07/26 11:17	Texas
880-70625-2	BH-10 (10.0')	Solid	04/06/26 12:52	04/07/26 11:17	Texas
880-70625-3	BH-10 (12.0')	Solid	04/06/26 12:53	04/07/26 11:17	Texas
880-70625-4	BH-10 (14.0')	Solid	04/06/26 12:54	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70625 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-10 (8.0')	4/6/2026	12:51	X		G	1		X	X	X	
BH-10 (10.0')	4/6/2026	12:52	X		G	1		X	X	X	
BH-10 (12.0')	4/6/2026	12:53	X		G	1		X	X	X	
BH-10 (14.0')	4/6/2026	12:54	X		G	1		X	X	X	

ANALYSIS REQUEST / Parameters

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4.7.26 1117

Page 428 of 593

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70625-1
SDG Number: Eddy County New Mexico

Login Number: 70625
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/13/2026 3:33:41 PM

JOB DESCRIPTION

Cigarillo PW System ROW (11.03.2018)
Eddy County New Mexico

JOB NUMBER

880-70626-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/22/2026 8:29:00 AM

my EOL

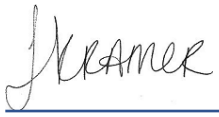
Eurofins Midland

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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4/13/2026 3:33:41 PM

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

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Laboratory Job ID: 880-70626-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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 Job ID: 880-70626-1
Project: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1 Eurofins Midland

Job Narrative
880-70626-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/7/2026 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.5°C.

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-137207 and analytical batch 880-137277 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics
Method 8015B NM: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-70626-5) and H-6 (0-0.5') (880-70626-6). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-137160 and analytical batch 880-137457 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 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-137160/2-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-1
Date Collected: 04/06/26 13:05
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 00:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:48	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/08/26 12:19	04/10/26 00:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 12:19	04/10/26 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 12:19*	*04/10/26 00:48*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 00:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/10/26 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:36*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 10:51	1

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

Lab Sample ID: 880-70626-2
Date Collected: 04/06/26 13:08
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 01:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 01:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:09*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Date Collected: 04/06/26 13:08
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/10/26 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 19:51	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		04/07/26 18:05	04/10/26 19:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 19:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:51*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/07/26 18:05*	*04/10/26 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 10:56	1

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

Date Collected: 04/06/26 13:11
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-3
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		04/08/26 12:19	04/10/26 01:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 01:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 01:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:29*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/10/26 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 20:07	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	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 20:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 20:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-3
Matrix: Solid
Date Collected: 04/06/26 13:11
Date Received: 04/07/26 11:17

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		04/07/26 18:05	04/10/26 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/07/26 18:05*	*04/10/26 20:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/07/26 18:05*	*04/10/26 20:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			04/09/26 11:02	1

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

Lab Sample ID: 880-70626-4
Matrix: Solid
Date Collected: 04/06/26 13:14
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 01:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 01:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 01:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 01:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 01:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/08/26 12:19*	*04/10/26 01:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/10/26 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/10/26 20:22	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	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 20:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 20:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/07/26 18:05	04/10/26 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/07/26 18:05*	*04/10/26 20:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/07/26 18:05*	*04/10/26 20:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 11:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-5
Matrix: Solid
Date Collected: 04/06/26 13:17
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 02:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 02:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 02:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 02:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 02:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:11*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:11*	*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			04/10/26 02:11	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			04/10/26 20:37	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		04/07/26 18:05	04/10/26 20:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 20:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*200*	*S1+*	*70 - 130*	*04/07/26 18:05*	*04/10/26 20:37*	*1*
o-Terphenyl	*192*	*S1+*	*70 - 130*	*04/07/26 18:05*	*04/10/26 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 11:23	1

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

Lab Sample ID: 880-70626-6
Matrix: Solid
Date Collected: 04/06/26 13:20
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 02:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 02:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 02:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 12:19	04/10/26 02:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 02:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 12:19	04/10/26 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-6
Matrix: Solid
Date Collected: 04/06/26 13:20
Date Received: 04/07/26 11:17

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			04/10/26 02:31	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			04/10/26 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	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 20:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 20:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*186*	*S1+*	*70 - 130*	*04/07/26 18:05*	*04/10/26 20:52*	*1*
o-Terphenyl	*192*	*S1+*	*70 - 130*	*04/07/26 18:05*	*04/10/26 20:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			04/09/26 11:38	1

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

Lab Sample ID: 880-70626-7
Matrix: Solid
Date Collected: 04/06/26 13:23
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 02:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 02:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 02:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 02:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 02:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:52*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:19*	*04/10/26 02:52*	*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			04/10/26 02:52	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			04/10/26 21:07	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	49.9		mg/Kg		04/07/26 18:05	04/10/26 21:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:05	04/10/26 21:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-7
Matrix: Solid
Date Collected: 04/06/26 13:23
Date Received: 04/07/26 11:17

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		04/07/26 18:05	04/10/26 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:07*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			04/09/26 11:43	1

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

Lab Sample ID: 880-70626-8
Matrix: Solid
Date Collected: 04/06/26 13:26
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 03:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 03:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 03:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 03:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 03:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/10/26 03:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 21:22	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		04/07/26 18:05	04/10/26 21:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 21:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:22*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.92		mg/Kg			04/09/26 11:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-9
Matrix: Solid
Date Collected: 04/06/26 13:29
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 03:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 03:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 03:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 03:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 03:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:33*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:33*	*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			04/10/26 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/10/26 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 21:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 21:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:05	04/10/26 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:37*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			04/09/26 11:54	1

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

Lab Sample ID: 880-70626-10
Matrix: Solid
Date Collected: 04/06/26 13:32
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 03:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 03:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 03:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 03:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 03:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/08/26 12:19*	*04/10/26 03:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-10
Matrix: Solid
Date Collected: 04/06/26 13:32
Date Received: 04/07/26 11:17

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			04/10/26 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/10/26 21:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 21:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 21:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:53*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/07/26 18:05*	*04/10/26 21:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			04/09/26 11:59	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-70626-11
Matrix: Solid
Date Collected: 04/06/26 13:35
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 05:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 05:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/10/26 05:17	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			04/11/26 04:09	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	<50.3	U F1 F2	50.3		mg/Kg		04/07/26 18:19	04/11/26 04:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U F1	50.3		mg/Kg		04/07/26 18:19	04/11/26 04:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-70626-11
Date Collected: 04/06/26 13:35
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:19	04/11/26 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*04/07/26 18:19*	*04/11/26 04:09*	*1*
o-Terphenyl	*126*		*70 - 130*	*04/07/26 18:19*	*04/11/26 04:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			04/09/26 12:04	1

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-70626-12
Date Collected: 04/06/26 13:36
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 05:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/26 12:19	04/10/26 05:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 05:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/26 12:19	04/10/26 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/10/26 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/11/26 05:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/26 18:19	04/11/26 05:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:19	04/11/26 05:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:19	04/11/26 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:10*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 12:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-70626-13
Matrix: Solid
Date Collected: 04/06/26 13:37
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 05:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 05:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 05:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 05:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/26 12:19	04/10/26 05:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/26 12:19	04/10/26 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*04/08/26 12:19*	*04/10/26 05:58*	*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			04/10/26 05:58	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			04/11/26 05:31	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		04/07/26 18:19	04/11/26 05:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/26 18:19	04/11/26 05:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/26 18:19	04/11/26 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:31*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			04/09/26 17:01	1

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-70626-14
Matrix: Solid
Date Collected: 04/06/26 13:38
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 06:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 06:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 06:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 06:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/08/26 12:19	04/10/26 06:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/08/26 12:19	04/10/26 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/08/26 12:19*	*04/10/26 06:19*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/08/26 12:19*	*04/10/26 06:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-70626-14
Matrix: Solid
Date Collected: 04/06/26 13:38
Date Received: 04/07/26 11:17

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			04/10/26 06:19	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			04/11/26 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 05:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 05:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:51*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/07/26 18:19*	*04/11/26 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			04/09/26 17:17	1

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-70626-15
Matrix: Solid
Date Collected: 04/06/26 13:39
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 06:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 06:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 06:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 06:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 06:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 12:19*	*04/10/26 06:39*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 12:19*	*04/10/26 06:39*	*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			04/10/26 06:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/11/26 06:12	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		04/07/26 18:19	04/11/26 06:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:19	04/11/26 06:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-70626-15
Date Collected: 04/06/26 13:39
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/07/26 18:19	04/11/26 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:12*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 17:22	1

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-70626-16
Date Collected: 04/06/26 13:40
Matrix: Solid
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 07:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 07:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 07:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/08/26 12:19	04/10/26 07:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/08/26 12:19	04/10/26 07:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/08/26 12:19	04/10/26 07:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:00*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/10/26 07:00	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			04/11/26 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 06:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 06:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:32*	*1*
o-Terphenyl	*95*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			04/09/26 17:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-70626-17
Matrix: Solid
Date Collected: 04/06/26 13:41
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 07:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 07:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 07:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 07:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/26 12:19	04/10/26 07:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/26 12:19	04/10/26 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:21*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:21*	*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			04/10/26 07:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/11/26 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/26 18:19	04/11/26 06:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/26 18:19	04/11/26 06:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/26 18:19	04/11/26 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:53*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/07/26 18:19*	*04/11/26 06:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			04/09/26 17:32	1

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-70626-18
Matrix: Solid
Date Collected: 04/06/26 13:42
Date Received: 04/07/26 11:17

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		04/08/26 12:19	04/10/26 07:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 07:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 07:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 07:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 07:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/08/26 12:19*	*04/10/26 07:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-18 (0-0.5')

Date Collected: 04/06/26 13:42
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-18

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/10/26 07:41	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			04/11/26 07:14	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		04/07/26 18:19	04/11/26 07:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 07:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/07/26 18:19*	*04/11/26 07:14*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/07/26 18:19*	*04/11/26 07:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.0**		9.96		mg/Kg			04/09/26 17:48	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-70626-1	H-1 (0-0.5')	102	99
880-70626-1 MS	H-1 (0-0.5')	105	104
880-70626-1 MSD	H-1 (0-0.5')	97	101
880-70626-2	H-2 (0-0.5')	99	97
880-70626-3	H-3 (0-0.5')	103	100
880-70626-4	H-4 (0-0.5')	99	95
880-70626-5	H-5 (0-0.5')	102	102
880-70626-6	H-6 (0-0.5')	98	100
880-70626-7	H-7 (0-0.5')	101	97
880-70626-8	H-8 (0-0.5')	98	97
880-70626-9	H-9 (0-0.5')	99	102
880-70626-10	H-10 (0-0.5')	105	102
880-70626-11	H-11 (0-0.5')	99	100
880-70626-12	H-12 (0-0.5')	106	99
880-70626-13	H-13 (0-0.5')	106	104
880-70626-14	H-14 (0-0.5')	106	105
880-70626-15	H-15 (0-0.5')	98	98
880-70626-16	H-16 (0-0.5')	97	98
880-70626-17	H-17 (0-0.5')	100	96
880-70626-18	H-18 (0-0.5')	103	100
LCS 880-137207/1-A	Lab Control Sample	104	98
LCSD 880-137207/2-A	Lab Control Sample Dup	112	101
MB 880-137205/5-A	Method Blank	96	101
MB 880-137207/5-A	Method Blank	96	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-70623-A-3-B MS	Matrix Spike	92	102
880-70623-A-3-C MSD	Matrix Spike Duplicate	90	101
880-70626-1	H-1 (0-0.5')	97	98
880-70626-2	H-2 (0-0.5')	92	91
880-70626-3	H-3 (0-0.5')	84	87
880-70626-4	H-4 (0-0.5')	97	96
880-70626-5	H-5 (0-0.5')	200 S1+	192 S1+
880-70626-6	H-6 (0-0.5')	186 S1+	192 S1+
880-70626-7	H-7 (0-0.5')	74	93
880-70626-8	H-8 (0-0.5')	106	105
880-70626-9	H-9 (0-0.5')	108	106
880-70626-10	H-10 (0-0.5')	117	113
880-70626-11	H-11 (0-0.5')	127	126
880-70626-11 MS	H-11 (0-0.5')	87	89
880-70626-11 MSD	H-11 (0-0.5')	81	80

Surrogate Summary

Client: Carmona Resources Job ID: 880-70626-1
Project/Site: Cigarillo PW System ROW (11.03.2018) SDG: Eddy County New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-70626-12	H-12 (0-0.5')	103	110										
880-70626-13	H-13 (0-0.5')	88	94										
880-70626-14	H-14 (0-0.5')	85	96										
880-70626-15	H-15 (0-0.5')	103	114										
880-70626-16	H-16 (0-0.5')	89	95										
880-70626-17	H-17 (0-0.5')	103	113										
880-70626-18	H-18 (0-0.5')	99	110										
LCS 880-137156/2-A	Lab Control Sample	95	101										
LCS 880-137160/2-A	Lab Control Sample	131 S1+	121										
LCSD 880-137156/3-A	Lab Control Sample Dup	97	104										
LCSD 880-137160/3-A	Lab Control Sample Dup	99	99										
MB 880-137156/1-A	Method Blank	86	86										
MB 880-137160/1-A	Method Blank	86	92										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-137205/5-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 11:50	04/09/26 13:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 11:50	04/09/26 13:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 11:50*	*04/09/26 13:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/08/26 11:50*	*04/09/26 13:47*	*1*

Lab Sample ID: MB 880-137207/5-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/26 12:19	04/10/26 00:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/26 12:19	04/10/26 00:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/08/26 12:19*	*04/10/26 00:26*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/08/26 12:19*	*04/10/26 00:26*	*1*

Lab Sample ID: LCS 880-137207/1-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08784		mg/Kg		88	70 - 130
Toluene	0.100	0.09028		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08768		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1796		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09072		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-137207/2-A
Matrix: Solid
Analysis Batch: 137277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137207

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08899		mg/Kg		89	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137207/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137277 — **Prep Batch: 137207**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09586		mg/Kg		96	70 - 130	6	35
Ethylbenzene			0.100	0.09280		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1886		mg/Kg		94	70 - 130	5	35
o-Xylene			0.100	0.09804		mg/Kg		98	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-70626-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137277 — **Prep Batch: 137207**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09855		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.09165		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09063		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1732		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.09422		mg/Kg		94	70 - 130

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

Lab Sample ID: 880-70626-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137277 — **Prep Batch: 137207**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08403		mg/Kg		84	70 - 130	16	35
Toluene	<0.00200	U	0.100	0.07391		mg/Kg		74	70 - 130	21	35
Ethylbenzene	<0.00200	U	0.100	0.07366		mg/Kg		74	70 - 130	21	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1374	F1	mg/Kg		69	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.07665		mg/Kg		77	70 - 130	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-137156/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137401 — **Prep Batch: 137156**

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		04/07/26 18:05	04/10/26 15:24	1

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-137156/1-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:05	04/10/26 15:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/07/26 18:05*	*04/10/26 15:24*	*1*

Lab Sample ID: LCS 880-137156/2-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	892.5		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-137156/3-A
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	906.8		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1103		mg/Kg		110	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-70623-A-3-B MS
Matrix: Solid
Analysis Batch: 137401

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1000	833.3		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	994.6		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70623-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137401 — **Prep Batch: 137156**

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	<50.1	U	1000	831.6		mg/Kg		81	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	993.1		mg/Kg		97	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: MB 880-137160/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137457 — **Prep Batch: 137160**

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		04/07/26 18:19	04/11/26 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/26 18:19	04/11/26 03:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/07/26 18:19*	*04/11/26 03:08*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/07/26 18:19*	*04/11/26 03:08*	*1*

Lab Sample ID: LCS 880-137160/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137457 — **Prep Batch: 137160**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1219		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1288		mg/Kg		129	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: LCSD 880-137160/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 137457 — **Prep Batch: 137160**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.9		mg/Kg		100	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1107		mg/Kg		111	70 - 130	15	20

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-137160/3-A
Matrix: Solid
Analysis Batch: 137457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 137160

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

Lab Sample ID: 880-70626-11 MS
Matrix: Solid
Analysis Batch: 137457

Client Sample ID: H-11 (0-0.5')
Prep Type: Total/NA
Prep Batch: 137160

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 F1 F2	999	1156		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	999	632.7	F1	mg/Kg		61	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-70626-11 MSD
Matrix: Solid
Analysis Batch: 137457

Client Sample ID: H-11 (0-0.5')
Prep Type: Total/NA
Prep Batch: 137160

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 F1 F2	999	604.9	F1 F2	mg/Kg		59	70 - 130	63	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	999	577.2	F1	mg/Kg		56	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-137250/1-A
Matrix: Solid
Analysis Batch: 137266

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 09:33	1

Lab Sample ID: LCS 880-137250/2-A
Matrix: Solid
Analysis Batch: 137266

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.0		mg/Kg		95	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-137250/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-70626-3 MS — **Client Sample ID: H-3 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	252	249.2		mg/Kg		96	90 - 110		

Lab Sample ID: 880-70626-3 MSD — **Client Sample ID: H-3 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	252	250.9		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-137251/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/09/26 16:45	1

Lab Sample ID: LCS 880-137251/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137267

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-137251/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137267

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.6		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-70626-13 MS — **Client Sample ID: H-13 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	253	249.9		mg/Kg		96	90 - 110		

Lab Sample ID: 880-70626-13 MSD — **Client Sample ID: H-13 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 137267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	253	244.1		mg/Kg		94	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 137205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-137205/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 137207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	5035	
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	5035	
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	5035	
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	5035	
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	5035	
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	5035	
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	5035	
MB 880-137207/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-137207/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-137207/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70626-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-70626-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 137277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	8021B	137207
MB 880-137205/5-A	Method Blank	Total/NA	Solid	8021B	137205
MB 880-137207/5-A	Method Blank	Total/NA	Solid	8021B	137207
LCS 880-137207/1-A	Lab Control Sample	Total/NA	Solid	8021B	137207

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 137277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-137207/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	137207
880-70626-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	137207
880-70626-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	137207

Analysis Batch: 137420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 137156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 137160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 137160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-137160/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137160/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137160/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70626-11 MS	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-70626-11 MSD	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 137401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	137156
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	137156
MB 880-137156/1-A	Method Blank	Total/NA	Solid	8015B NM	137156
LCS 880-137156/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137156
LCSD 880-137156/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137156
880-70623-A-3-B MS	Matrix Spike	Total/NA	Solid	8015B NM	137156
880-70623-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137156

Analysis Batch: 137457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	8015B NM	137160
MB 880-137160/1-A	Method Blank	Total/NA	Solid	8015B NM	137160
LCS 880-137160/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137160
LCSD 880-137160/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137160
880-70626-11 MS	H-11 (0-0.5')	Total/NA	Solid	8015B NM	137160
880-70626-11 MSD	H-11 (0-0.5')	Total/NA	Solid	8015B NM	137160

Analysis Batch: 137584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 137584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-12	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-14	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-15	H-15 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-16	H-16 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-17	H-17 (0-0.5')	Total/NA	Solid	8015 NM	
880-70626-18	H-18 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 137250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-12	H-12 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-137250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70626-3 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-3 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 137251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-14	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-15	H-15 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-16	H-16 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-17	H-17 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-18	H-18 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-137251/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137251/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137251/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70626-13 MS	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-70626-13 MSD	H-13 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

HPLC/IC

Analysis Batch: 137266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-1	H-1 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-2	H-2 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-3	H-3 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-4	H-4 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-5	H-5 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-6	H-6 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-7	H-7 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-8	H-8 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-9	H-9 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-10	H-10 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-11	H-11 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-12	H-12 (0-0.5')	Soluble	Solid	300.0	137250
MB 880-137250/1-A	Method Blank	Soluble	Solid	300.0	137250
LCS 880-137250/2-A	Lab Control Sample	Soluble	Solid	300.0	137250
LCSD 880-137250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137250
880-70626-3 MS	H-3 (0-0.5')	Soluble	Solid	300.0	137250
880-70626-3 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	137250

Analysis Batch: 137267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70626-13	H-13 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-14	H-14 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-15	H-15 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-16	H-16 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-17	H-17 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-18	H-18 (0-0.5')	Soluble	Solid	300.0	137251
MB 880-137251/1-A	Method Blank	Soluble	Solid	300.0	137251
LCS 880-137251/2-A	Lab Control Sample	Soluble	Solid	300.0	137251
LCSD 880-137251/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137251
880-70626-13 MS	H-13 (0-0.5')	Soluble	Solid	300.0	137251
880-70626-13 MSD	H-13 (0-0.5')	Soluble	Solid	300.0	137251

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-1
Matrix: Solid
Date Collected: 04/06/26 13:05
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 00:48	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 00:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 19:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 19:36	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:51	CS	EET MID

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

Lab Sample ID: 880-70626-2
Matrix: Solid
Date Collected: 04/06/26 13:08
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 01:09	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 01:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 19:51	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 10:56	CS	EET MID

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

Lab Sample ID: 880-70626-3
Matrix: Solid
Date Collected: 04/06/26 13:11
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 01:29	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 01:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 20:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 20:07	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:02	CS	EET MID

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

Lab Sample ID: 880-70626-4
Matrix: Solid
Date Collected: 04/06/26 13:14
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 01:50	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 01:50	SA	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-4
Matrix: Solid
Date Collected: 04/06/26 13:14
Date Received: 04/07/26 11:17

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			137584	04/10/26 20:22	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 20:22	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:17	CS	EET MID

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

Lab Sample ID: 880-70626-5
Matrix: Solid
Date Collected: 04/06/26 13:17
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 02:11	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 02:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 20:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 20:37	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:23	CS	EET MID

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

Lab Sample ID: 880-70626-6
Matrix: Solid
Date Collected: 04/06/26 13:20
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 02:31	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 02:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 20:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 20:52	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:38	CS	EET MID

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

Lab Sample ID: 880-70626-7
Matrix: Solid
Date Collected: 04/06/26 13:23
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 02:52	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 02:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 21:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 21:07	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-70626-7
Matrix: Solid
Date Collected: 04/06/26 13:23
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:43	CS	EET MID

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

Lab Sample ID: 880-70626-8
Matrix: Solid
Date Collected: 04/06/26 13:26
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 03:13	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 03:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 21:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 21:22	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:49	CS	EET MID

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

Lab Sample ID: 880-70626-9
Matrix: Solid
Date Collected: 04/06/26 13:29
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 03:33	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 03:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 21:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 21:37	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:54	CS	EET MID

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

Lab Sample ID: 880-70626-10
Matrix: Solid
Date Collected: 04/06/26 13:32
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 03:54	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 03:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/10/26 21:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137156	04/07/26 18:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137401	04/10/26 21:53	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 11:59	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-11 (0-0.5')

Date Collected: 04/06/26 13:35
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-11
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			5.00 g	5 mL	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 05:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 05:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 04:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 04:09	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 12:04	CS	EET MID

Client Sample ID: H-12 (0-0.5')

Date Collected: 04/06/26 13:36
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 05:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 05:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 05:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 05:10	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137250	04/08/26 15:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137266	04/09/26 12:10	CS	EET MID

Client Sample ID: H-13 (0-0.5')

Date Collected: 04/06/26 13:37
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-13
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			4.97 g	5 mL	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 05:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 05:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 05:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 05:31	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:01	CS	EET MID

Client Sample ID: H-14 (0-0.5')

Date Collected: 04/06/26 13:38
Date Received: 04/07/26 11:17

Lab Sample ID: 880-70626-14
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			4.95 g	5 mL	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 06:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 06:19	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-70626-14
Matrix: Solid
Date Collected: 04/06/26 13:38
Date Received: 04/07/26 11:17

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			137584	04/11/26 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 05:51	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:17	CS	EET MID

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-70626-15
Matrix: Solid
Date Collected: 04/06/26 13:39
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 06:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 06:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 06:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 06:12	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:22	CS	EET MID

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-70626-16
Matrix: Solid
Date Collected: 04/06/26 13:40
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 07:00	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 07:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 06:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 06:32	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:27	CS	EET MID

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-70626-17
Matrix: Solid
Date Collected: 04/06/26 13:41
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 07:21	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 07:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 06:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 06:53	FC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-70626-17

Date Collected: 04/06/26 13:41
Matrix: Solid
Date Received: 04/07/26 11:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:32	CS	EET MID

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-70626-18

Date Collected: 04/06/26 13:42
Matrix: Solid
Date Received: 04/07/26 11:17

Prep 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	137207	04/08/26 12:19	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	137277	04/10/26 07:41	SA	EET MID
Total/NA	Analysis	Total BTEX		1			137420	04/10/26 07:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			137584	04/11/26 07:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137160	04/07/26 18:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137457	04/11/26 07:14	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	137251	04/08/26 15:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137267	04/09/26 17:48	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-70626-1
Project/Site: Cigarillo PW System ROW (11.03.2018)
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cigarillo PW System ROW (11.03.2018)

Job ID: 880-70626-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70626-1	H-1 (0-0.5')	Solid	04/06/26 13:05	04/07/26 11:17	Texas
880-70626-2	H-2 (0-0.5')	Solid	04/06/26 13:08	04/07/26 11:17	Texas
880-70626-3	H-3 (0-0.5')	Solid	04/06/26 13:11	04/07/26 11:17	Texas
880-70626-4	H-4 (0-0.5')	Solid	04/06/26 13:14	04/07/26 11:17	Texas
880-70626-5	H-5 (0-0.5')	Solid	04/06/26 13:17	04/07/26 11:17	Texas
880-70626-6	H-6 (0-0.5')	Solid	04/06/26 13:20	04/07/26 11:17	Texas
880-70626-7	H-7 (0-0.5')	Solid	04/06/26 13:23	04/07/26 11:17	Texas
880-70626-8	H-8 (0-0.5')	Solid	04/06/26 13:26	04/07/26 11:17	Texas
880-70626-9	H-9 (0-0.5')	Solid	04/06/26 13:29	04/07/26 11:17	Texas
880-70626-10	H-10 (0-0.5')	Solid	04/06/26 13:32	04/07/26 11:17	Texas
880-70626-11	H-11 (0-0.5')	Solid	04/06/26 13:35	04/07/26 11:17	Texas
880-70626-12	H-12 (0-0.5')	Solid	04/06/26 13:36	04/07/26 11:17	Texas
880-70626-13	H-13 (0-0.5')	Solid	04/06/26 13:37	04/07/26 11:17	Texas
880-70626-14	H-14 (0-0.5')	Solid	04/06/26 13:38	04/07/26 11:17	Texas
880-70626-15	H-15 (0-0.5')	Solid	04/06/26 13:39	04/07/26 11:17	Texas
880-70626-16	H-16 (0-0.5')	Solid	04/06/26 13:40	04/07/26 11:17	Texas
880-70626-17	H-17 (0-0.5')	Solid	04/06/26 13:41	04/07/26 11:17	Texas
880-70626-18	H-18 (0-0.5')	Solid	04/06/26 13:42	04/07/26 11:17	Texas

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

880-70626 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	
Project Number:	3213	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard TAT
Sampler's Name:	GPJ/JDC		
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:	-4.3
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0.5')	4/6/2026	1:05	X		G	1	X	X	X	
H-2 (0-0.5')	4/6/2026	1:08	X		G	1	X	X	X	
H-3 (0-0.5')	4/6/2026	1:11	X		G	1	X	X	X	
H-4 (0-0.5')	4/6/2026	1:14	X		G	1	X	X	X	
H-5 (0-0.5')	4/6/2026	1:17	X		G	1	X	X	X	
H-6 (0-0.5')	4/6/2026	1:20	X		G	1	X	X	X	
H-7 (0-0.5')	4/6/2026	1:23	X		G	1	X	X	X	
H-8 (0-0.5')	4/6/2026	1:26	X		G	1	X	X	X	
H-9 (0-0.5')	4/6/2026	1:29	X		G	1	X	X	X	
H-10 (0-0.5')	4/6/2026	1:32	X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 1117

Released to Imaging: 5/22/2026 8:29:06 AM
Received by OCD: 4/20/2026 10:57:46 AM

Chain of Custody

Work Order No: _____

Project Manager:	Ashton Thielke	Bill to: (if different)	Hadlie Stout
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	hadlie_stout@eogresources.com

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 Name:	Cigarillo PW System ROW (11.03.2018)	Turn Around	☑ Routine ☐ Rush
Project Number:	3213	Due Date:	Standard TAT
Project Location	Eddy County, New Mexico		
Sampler's Name:	GPJ/JDC		
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:	-4.3	
Total Containers:		Corrected Temperature:		

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-11 (0-0.5')	4/6/2026	1:35	X		G	1		X	X	X	
H-12 (0-0.5')	4/6/2026	1:36	X		G	1		X	X	X	
H-13 (0-0.5')	4/6/2026	1:37	X		G	1		X	X	X	
H-14 (0-0.5')	4/6/2026	1:38	X		G	1		X	X	X	
H-15 (0-0.5')	4/6/2026	1:39	X		G	1		X	X	X	
H-16 (0-0.5')	4/6/2026	1:40	X		G	1		X	X	X	
H-17 (0-0.5')	4/6/2026	1:41	X		G	1		X	X	X	
H-18 (0-0.5')	4/6/2026	1:42	X		G	1		X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			4-7-26 11:17

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70626-1
SDG Number: Eddy County New Mexico

Login Number: 70626
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

APPENDIX F

CARMONA RESOURCES

Remediation Summary & Variance Request

Mewbourne Oil Company
CWMS Whitesnake Riser
Eddy County, New Mexico
Unit Letter "C", Section 20, Township 23 South, Range 28 East
Latitude 32.29585 North, Longitude 104.11035 West
NMOCD Reference No. nAPP2422659329

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave, Ste. D
Lubbock, Texas 79413

Ben J. Arguijo

Lance Crenshaw

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Variance Request* for the release site known as the CWMS Whitesnake Riser. Details of the release are summarized below:

Location of Release Source

Latitude: 32.29585 Longitude: -104.11035

Provided GPS are in WGS84 format.

Site Name:	CWMS Whitesnake Riser	Site Type:	Pipeline
Date Release Discovered:	7/30/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"C"	20	23S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name: Rustler Hills II Limited Partners)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 543	Volume Recovered (bbls) 66
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Equipment failure

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Less than or equal 25 (ft.)
What method was used to determine the depth to groundwater?	Direct Measurement
Did the release impact groundwater or surface water?	[ ] Yes [X] No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1,000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Between 1,000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1,000 (ft.) and ½ (mi.)
Any other fresh water well or spring?	Between 1,000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Between 1,000 (ft.) and ½ (mi.)
A wetland?	Between 1 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1 and 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Medium
A 100-year floodplain?	Between 1,000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	[X] Yes [ ] No

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the CWMS Whitesnake Riser release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on August 21, 2024, a temporary monitor well (NMOSE ID #C-04869 POD-1) was drilled nearby to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 30 feet bgs and left open for over 72 hours. A groundwater gauging event conducted on August 28, 2024, indicated that the depth to groundwater was approximately 22 feet bgs. Following gauging, a groundwater sample was collected from the well, the temporary PVC casing was removed, and the well was plugged and abandoned in accordance with an NMOSE-approved "Plugging Plan of Operations." The location of the temporary monitor well is depicted in Figures 2A, 2B, and 4. The NMOSE "Well Record & Log" and "Plugging Plan of Operations" for the well are provided in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 4.

3.0 REMEDIATION ACTIVITIES SUMMARY

On August 2, 2024, remediation activities commenced at the CWMS Whitesnake Riser release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards is being excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit are being utilized to field-screen the horizontal extent of impacted

soil and to guide the excavation. The sidewalls of the excavation are being advanced until field tests and field observations suggest that BTEX, TPH, and chloride concentrations are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. To date, approximately 83,642 square feet of the affected area has been excavated vertically to a total depth of approximately four (4) feet bgs. An additional 2,688 square feet of impacted soil within the adjacent, fenced ConocoPhillips Company yard still requires remediation.

Requesting a remediation plan approval with this submission?	[X] Yes [ ] No
Have the lateral and vertical extents of contamination been fully delineated?	[X] Yes [ ] No
Was this release entirely contained within a lined containment area?	[ ] Yes [X] No
On what estimated date will (or did) the remediation commence?	8/2/2024
On what date will (or did) the final sampling or liner inspection occur?	11/15/2024
On what date will (or was) the remediation complete(d)?	11/29/2024
What is the total surface area (sq. ft.) in need of or that will *eventually* be reclaimed?	86,330
What is the total volume (cy) in need of or that will *eventually* be reclaimed?	12,790
What was the total surface area (sq. ft.) that has or will be remediated?	86,330
What was the total volume (cy) that has or will be remediated?	12,790
This remediation utilized the following processes to remediate/reduce contaminants:	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	[X] Yes [ ] No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	[ ] Yes [X] No
(In Situ) Soil Vapor Extraction	[ ] Yes [X] No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	[ ] Yes [X] No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	[ ] Yes [X] No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	[ ] Yes [X] No
Ground Water Abatement pursuant to 19.15.30 NMAC	[ ] Yes [X] No
Other (Non-listed remedial process)	[ ] Yes [X] No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility
NMOCD Disposal Facility ID?	Texas
Summarize any additional remediation activities not included by answers above.	See below

On August 19, 2024, Etech advanced four (4) test trenches (TT 1 through TT 4) within the release margins in an effort to determine the vertical extent of impacted soil. The test trenches were advanced in increments of two (2) feet to total depths ranging from 12 feet bgs in trenches TT 3 and TT 4 to 18 feet bgs in trench TT 1. During the advancement of the test trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test data, a total of 33 delineation soil samples (TT 1 @ 0' through TT 1 @ 18', TT 2 @ 0' through TT 2 @ 16', TT 3 @ 0' through TT 3 @ 12', and TT 4 @ 0' through TT 4 @ 12') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, the vertical extent of impacted soil was adequately defined in the areas characterized by test trenches TT 1 through TT 4 and ranged from approximately 10 feet bgs in trenches TT 3 and TT 4 to 18 feet bgs in trench TT 1.

Summary of Soil Sampling Events

Constituent	Highest Observed Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	71,200	TT 4 @ 0'	8/19/2024	0	Excavated
TPH	1,230	TT 4 @ 0'	8/19/2024	0	Excavated
GRO+DRO	952	TT 4 @ 0'	8/19/2024	0	Excavated
BTEX	0.464	TT 4 @ 0'	8/19/2024	0	Excavated
Benzene	<0.050	All submitted soil samples	8/19/2024	0 - 18	In-Situ & Excavated

Please reference Table 1 for additional information.

To date, Etech has transported approximately 10,652 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 9,852 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The locations of the test trenches and the extents of the excavated area and the area still in need of remediation are depicted in Figure 3, "Sample Location Map." Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix F.

4.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

The groundwater sample collected from temporary monitor well C-04869 POD-1 on August 28, 2024, was submitted to the laboratory for analysis of chloride and total dissolved solids (TDS). Laboratory analytical results indicated that the chloride concentration was 6,000 mg/L and the TDS concentration was 12,600 mg/L. Since the background concentrations of chloride and TDS exceed the New Mexico Water Quality Control Commission (NMWQCC) standards of 250.0 mg/L and 1,000.0 mg/L specified in Sections 20.6.2.3103 B.(1) and B.(7) NMAC, respectively, the groundwater underlying the release site is not "fresh water", pursuant to NMAC Section 19.15.29.12 C.(4)(c)(ii). The laboratory analytical report is provided in Appendix E.

The pattern of elevated and spiking chloride concentrations observed in test trenches TT 1 through TT 4 (see Table 1) and in field tests from the excavated area (see field notes in Appendix B) does not align with the depths and levels of impact that would have been reasonably expected from the release. A review of historical aerial imagery, along with the chloride and TDS concentrations in the groundwater sample, suggests that there may either be (a) naturally occurring chloride in the subsurface soil at the release site or (b) residual chloride impacts from the area's historical use as agricultural cropland.

Based on the information summarized above, Mewbourne Oil Company believes that the Closure Criteria specified in Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC) is not applicable to the CWMS Whitesnake Riser release and hereby requests that the NMOCD Closure Criteria be revised as follows:

Closure Criteria for Soils Impacted by a Release

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Current Closure Criteria*	Revised Closure Criteria*
Less than or equal 25 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	600	20,000
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	2,500
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	1,000
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

5.0 VARIANCE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	☐ Yes	☒ No
Requesting a remediation closure approval with this submission?	☐ Yes	☒ No
Have the lateral and vertical extents of contamination been fully delineated?	☒ Yes	☐ No
Was this release entirely contained within a lined containment area?	☐ Yes	☒ No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	☐ Yes	☒ No
What was the total surface area (sq. ft.) remediated?	86,330 (in progress)	
What was the total volume (cy) remediated?	12,790 (in progress)	

A variance is requested for an alternative sampling plan comprised of five-point composite confirmation samples collected from the floor(s) of the excavated area(s) at intervals representing no more than 500 square feet, as opposed to the standard 200-square-foot sampling plan. Mewbourne Oil Company believes that a reduction in the sampling intervals is permissible given the information summarized in Section 4.0 above and the size and nature of the release.

Based on the size of the total area to be excavated (approximately 86,330 square feet), approximately 173 composite soil samples will be collected from the floor(s) of the excavated area(s) and submitted for laboratory analysis, compared to approximately 432 samples under a standard 200-square-foot plan. The proposed alternative sampling plan is depicted in Figure 3, "Sample Location Map". The map illustrates that, while there are fewer total composite samples in the 500-square-foot plan, the plan is adequately representative of the affected area, with minimal gaps between each sampling section/zone. Since each individual composite sample will incorporate soil from five (5) spots within a 500-square-foot zone, this effectively equates to a total of approximately 865 sample points, which decreases the likelihood that any hotspots will be missed. Furthermore, the composite samples will include wet and/or visibly stained areas, from which additional discrete samples will also be collected, as necessary. Composite soil samples will also be collected every 100 linear feet from the sidewalls of the excavated area(s).

Based on the information summarized above, Mewbourne Oil Company affirms that the proposed 500-square-foot sampling plan provides "an equal or better protection of fresh water, public health, and the environment" as the standard 200-square-foot plan, pursuant to Section 19.15.29.14 A.(2) NMAC.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	☐ Yes ☒ No
Requesting a reclamation approval with this submission?	☐ Yes ☒ No
Requesting a restoration complete approval with this submission?	☐ Yes ☒ No
What was the total surface area (sq. ft.) reclaimed?	0 (in progress)
What was the total volume (cy) reclaimed?	0 (in progress)

Upon receipt of all confirmation soil sample results, areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected areas will be compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on caliche pads, pipeline rights-of-way, and/or lease roads will be revegetated at a time conducive to germination with an agency and/or landowner-approved seed mixture certified to be free of noxious weeds. The seed will be installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

Upon completion of remediation and reclamation activities, a *Remediation Summary & Soil Closure Request* will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Variance Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

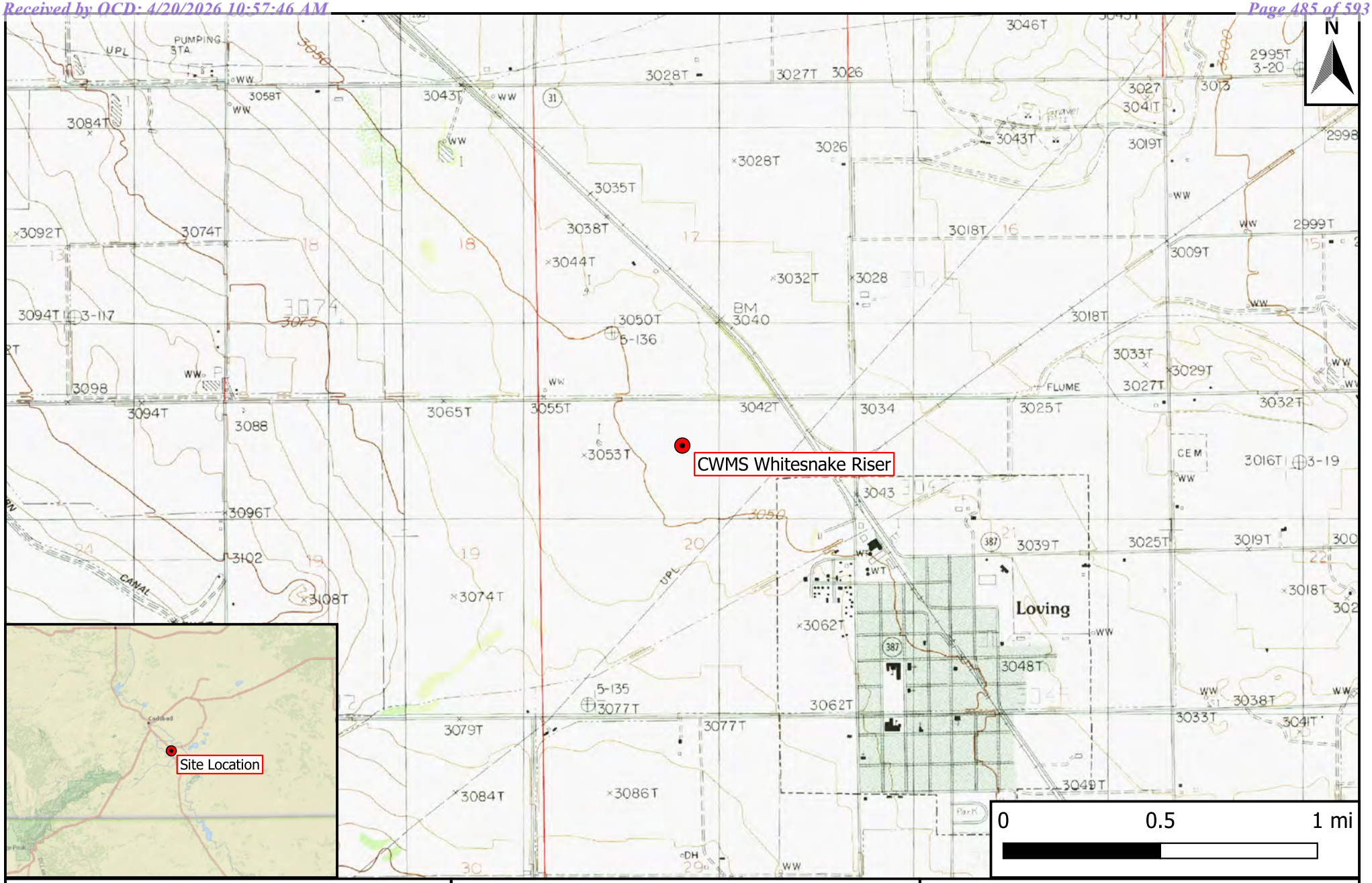
8.0 DISTRIBUTION

Mewbourne Oil Company
4801 Business Park Blvd.
Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

(Electronic Submission)

Figure 1
Site Location Map



Legend

- Site Location

Figure 1
Site Location Map
Mewbourne Oil Company
CWMS Whitesnake Riser
GPS: 32.29585, -104.11035
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 7/30/24

Figures 2A & 2B
Site Characterization Maps

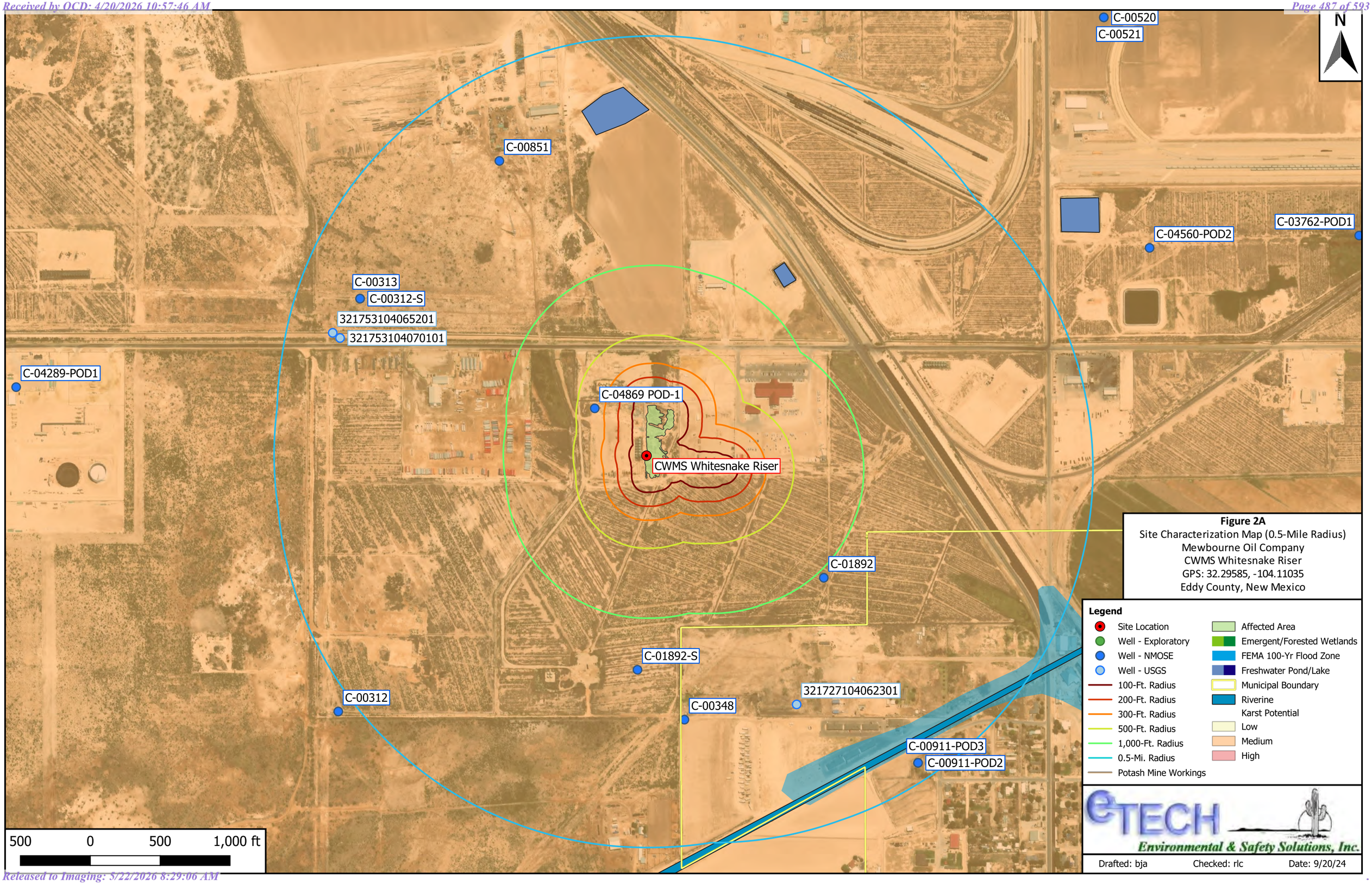


Figure 2A
Site Characterization Map (0.5-Mile Radius)
Mewbourne Oil Company
CWMS Whitesnake Riser
GPS: 32.29585, -104.11035
Eddy County, New Mexico

Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 100-Ft. Radius
- 200-Ft. Radius
- 300-Ft. Radius
- 500-Ft. Radius
- 1,000-Ft. Radius
- 0.5-Mi. Radius
- Potash Mine Workings
- Affected Area
- Emergent/Forested Wetlands
- FEMA 100-Yr Flood Zone
- Freshwater Pond/Lake
- Municipal Boundary
- Riverine

Karst Potential

- Low
- Medium
- High

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 9/20/24

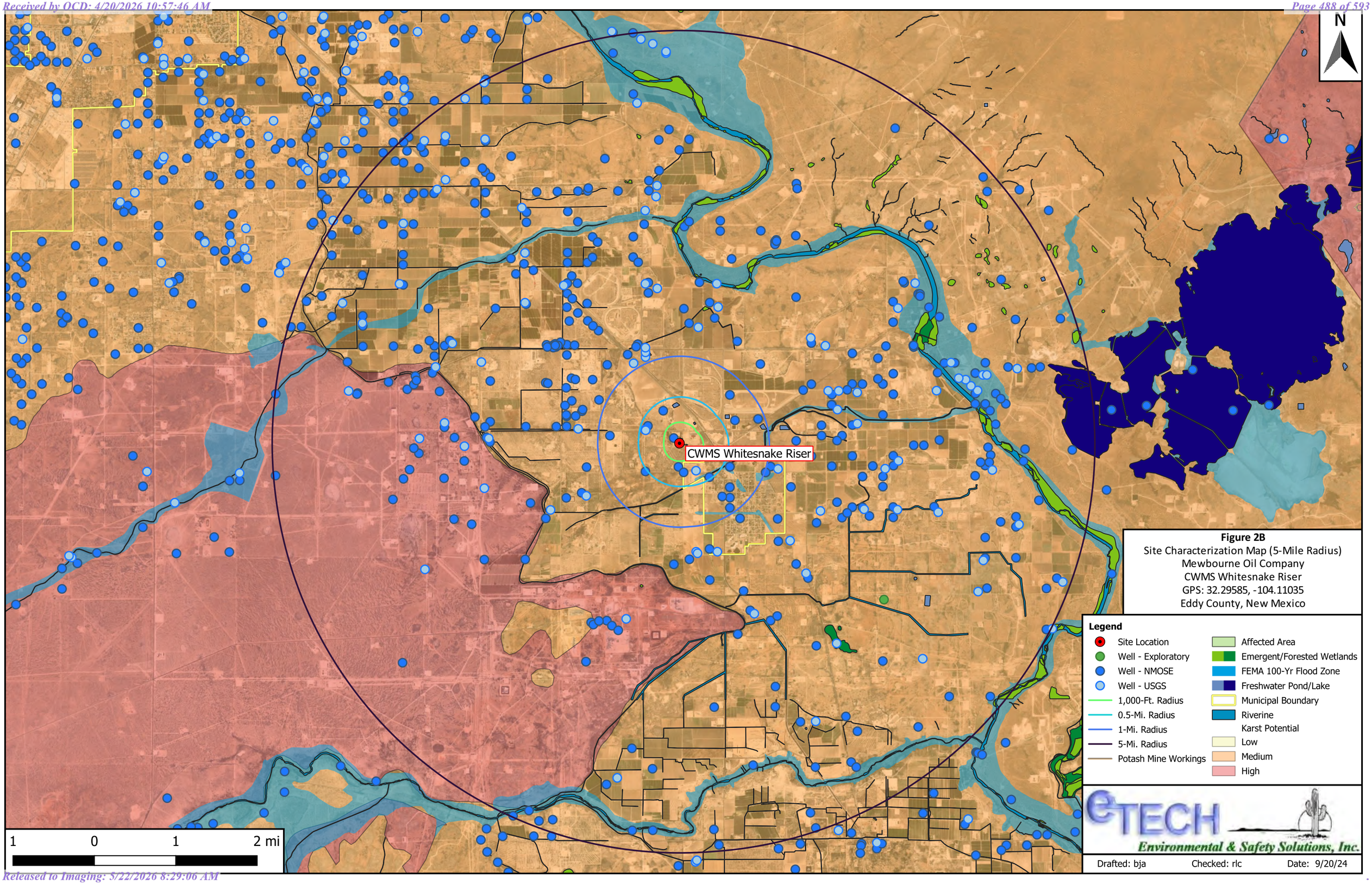
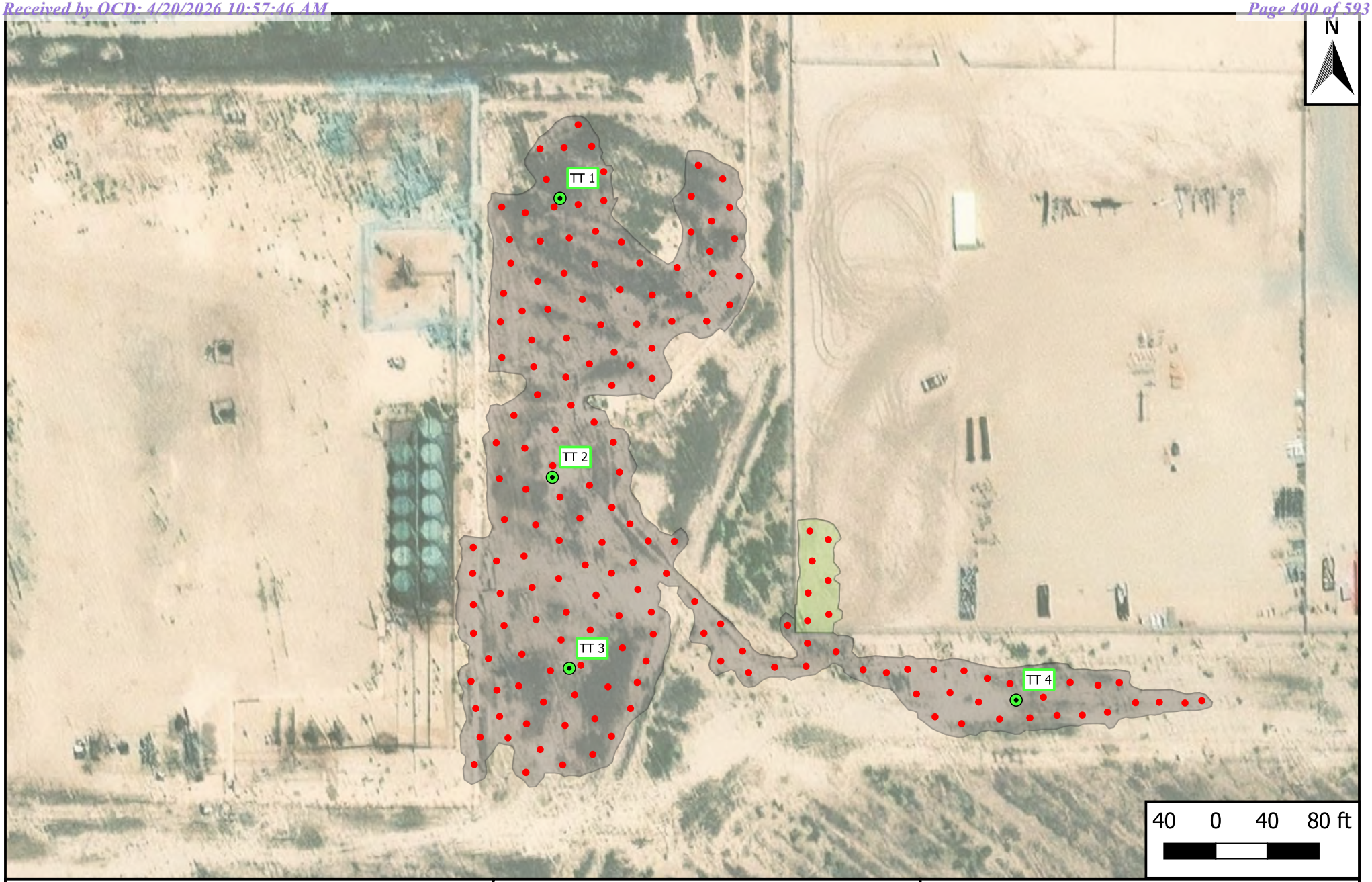


Figure 2B
Site Characterization Map (5-Mile Radius)
Mewbourne Oil Company
CWMS Whitesnake Riser
GPS: 32.29585, -104.11035
Eddy County, New Mexico

Figure 3
Sample Location Map



Legend

- Excavated Area (83,642 ft²)
- Area Pending Excavation (2,688 ft²)
- Delineation Sample Point
- Proposed Floor Sample Location

Figure 3
Sample Location Map
Mewbourne Oil Company
CWMS Whitesnake Riser
GPS: 32.29585, -104.11035
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 10/16/24

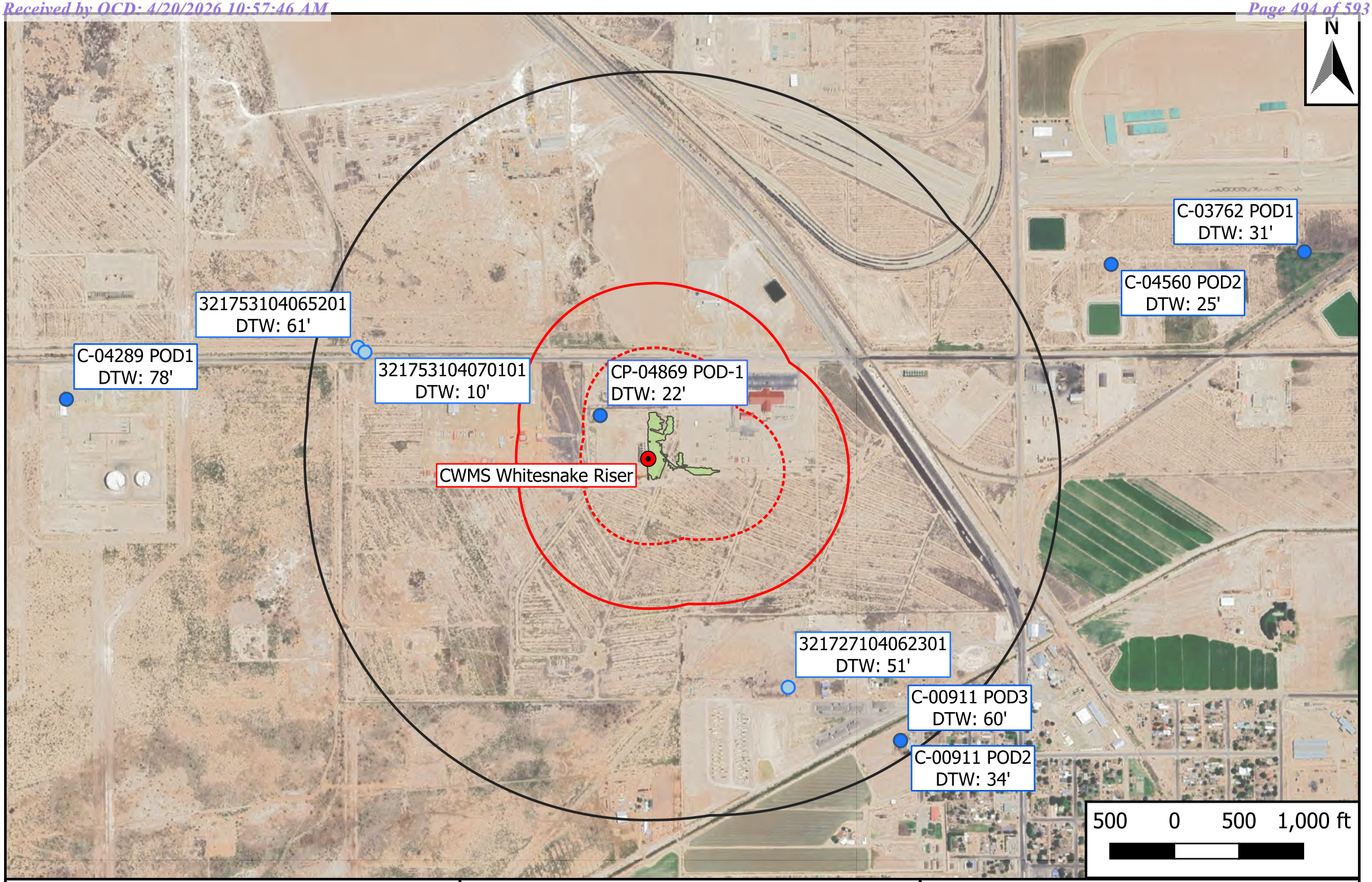
Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
CWMS Whitesnake Riser
NMOCD Ref. #: nAPP2422659329

NMOCD Closure Criteria				**10**	**50**	**N/A**	**N/A**	**1,000**	**N/A**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**N/A**	**N/A**	**N/A**	**N/A**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
TT 1 @ 0'	8/19/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
TT 1 @ 2'	8/19/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
TT 1 @ 4'	8/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
TT 1 @ 6'	8/19/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880
TT 1 @ 8'	8/19/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,920
TT 1 @ 10'	8/19/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,790
TT 1 @ 12'	8/19/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,010
TT 1 @ 14'	8/19/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
TT 1 @ 16'	8/19/2024	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
TT 1 @ 18'	8/19/2024	18	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
TT 2 @ 0'	8/19/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
TT 2 @ 2'	8/19/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,200
TT 2 @ 4'	8/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
TT 2 @ 6'	8/19/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,760
TT 2 @ 8'	8/19/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
TT 2 @ 10'	8/19/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
TT 2 @ 12'	8/19/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
TT 2 @ 14'	8/19/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
TT 2 @ 16'	8/19/2024	16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
TT 3 @ 0'	8/19/2024	0	Excavated	<0.050	<0.300	13.4	904	917	190	1,110	**46,400**
TT 3 @ 2'	8/19/2024	2	Excavated	<0.050	<0.300	<10.0	12.5	12.5	30.0	42.5	6,720
TT 3 @ 4'	8/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
TT 3 @ 6'	8/19/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
TT 3 @ 8'	8/19/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
TT 3 @ 10'	8/19/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
TT 3 @ 12'	8/19/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
TT 4 @ 0'	8/19/2024	0	Excavated	<0.050	0.464	<10.0	952	952	274	1,230	**71,200**
TT 4 @ 2'	8/19/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	10.1	10.1	6,480
TT 4 @ 4'	8/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,800
TT 4 @ 6'	8/19/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
TT 4 @ 8'	8/19/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
TT 4 @ 10'	8/19/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
TT 4 @ 12'	8/19/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Appendix A
Depth to Groundwater Information



Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- Affected Area (79,008 ft²)
- 0.5-Mile Radius
- 1,000-Foot Radius
- 500-Foot Radius

Figure 4
Inferred Depth to Groundwater Map
Mewbourne Oil Company
CWMS Whitesnake Riser
GPS: 32.29585, -104.11035
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 10/15/24

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 smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 00313		CUB	ED	SW	SW	SW	17	23S	28E	583136.0	3573915.0 *		712	250	75	175
C 00851		C	ED			SW	17	23S	28E	583438.0	3574217.0 *		717	200	50	150

Average Depth to Water: **62 feet**

Minimum Depth: **50 feet**

Maximum Depth: **75 feet**

Record Count: 2

UTM Filters (in meters):

Easting: 583762.70

Northing: 3573576.66

Radius: 804.67

*** 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.

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 00313	SW	SW	SW	17	23S	28E	583136.0	3573915.0 *	

*** UTM location was derived from PLSS - see Help**

Driller License:	24	**Driller Company:**	BRININSTOOL, M.D.		
Driller Name:	HOWARD HEMLER				
Drill Start Date:	1952-06-01	**Drill Finish Date:**	1952-06-01	**Plug Date:**	
Log File Date:	1952-07-07	**PCW Rcv Date:**	1953-04-20	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**		**Estimated Yield:**	3000
Casing Size:	18.00	**Depth Well:**	250	**Depth Water:**	75

Water Bearing Stratifications:

Top	Bottom	Description
105	123	Sandstone/Gravel/Conglomerate
128	133	Sandstone/Gravel/Conglomerate
136	155	Sandstone/Gravel/Conglomerate
177	181	Sandstone/Gravel/Conglomerate
198	246	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
92	192

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

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Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 00851			SW	17	23S	28E	583438.0	3574217.0 *	

*** UTM location was derived from PLSS - see Help**

Driller License:	24	**Driller Company:**	BRININSTOOL, M.D.		
Driller Name:	W D BRININSTOOL				
Drill Start Date:	1958-09-01	**Drill Finish Date:**	1958-09-01	**Plug Date:**	
Log File Date:	1958-09-30	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	200	**Depth Water:**	50

Water Bearing Stratifications:

Top	Bottom	Description
20	30	Sandstone/Gravel/Conglomerate
97	105	Other/Unknown
107	130	Sandstone/Gravel/Conglomerate
188	200	Other/Unknown

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

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-04869

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Mewbourne Oil Co.	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
4801 Business Park Blvd.	Hobbs	NM	88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	17	48.42	N
	LONGITUDE	-104	06	41.57	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SENE S-2 T19S R28E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8/21/24	8/21/24	30	30	22

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 22

DATE STATIC MEASURED: 8/28/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A no casing left in hole		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	1	1	white caliche	Y ✓N	
1	20	19	light brown silty clay	Y ✓N	
20	30	10	dark brown silty clay with some small gravel	✓Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: N/A

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Well was drilled on 8/21/24, water was encountered so drilling was ceased, well was gauged with a well sounder on 8/28/24, static water level was 22' BGS, casing was pulled and well was plugged in accordance with the approved plugging plan.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

James Hawley

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9/4/24 — DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 765138
File Nbr: C 04869

Aug. 14, 2024

JAMES HAWLEY
MEWBOURNE OIL CO.
P.O. BOX 3641
HOBBS, NM 88241

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.

* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.

* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.

* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Rodolfo Chavez

Rodolfo Chavez
(575)622-6521

Enclosure

explore

File No. C-04869 POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: https://www.ose.nm.gov/

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐ Construction Site/Public Works Dewatering	☒ Other(Describe): groundwater determination
☐ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Check here if the borehole is anything other than vertifical (directional boring or angle boring) and include a schematic of your design.

☒ Temporary Request - Requested Start Date: 8/7/24 Requested End Date: 8/7/25

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Mewbourne Oil Co.	Name:
Contact or Agent: H&R Enterprises, LLC/James Hawley — check here if Agent ☒	Contact or Agent: — check here if Agent ☐
Mailing Address: PO 3641	Mailing Address:
City: Hobbs	City:
State: NM Zip Code: 88241	State: Zip Code:
Phone: (575) 605-3471 ☐ Home ☐ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work):
E-mail (optional): jhawley@h-r-enterprises.com	E-mail (optional):

OSE DII AUG 12 2024 PM2:40

FOR OSE INTERNAL USE — Application for Permit, Form WR-07, Rev 07/10/2024

File No.: C-04869	Trn. No.: 765138	Receipt No.: 2-47190
Trans Description (optional):		
Sub-Basin: CUB	PCW/LOG Due Date: 8/14/25	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

■ NM State Plane (NAD83) (Feet)
☐ NM West Zone
■ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

☐ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-04869 POD1	-104.111629	32.296226	NENW S-20 T23S R28E	105	2"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ☐ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:

0.3 miles SW of the intersection of US 285 and London Rd.

Well is on land owned by: Rustler Hills II Limited Partner

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. **Attached?** ☐ Yes ■ No

Approximate depth to water (feet): Uknown	
Driller Name: James Hawley	Driller License Number: WD-1862

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

One 6" borehole will be advanced to determine the depth of groundwater at the Mewbourne White Snake 20 21 W2bc Fee #1H remediation site. The Borehole will be advanced until groundwater is reached or a maximum depth of 105' BGS, two inch casing will be installed into the borehole and left for 72 hours. After casing is gauged, it will be pulled and the borehole will be plugged pursuant to NMOSE guidelines. No pump will be installed.

OSE DII AUG 12 2024 PM2:43

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD1	Trn No.: 765138

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application.

Exploratory*: Is proposed well a future public water supply well? ☐ Yes ☒ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☒ Include a description of any proposed pump test, if applicable.	**Pollution Control and/or Recovery:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	**Construction De-Watering:** ☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of. **Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	**Mine De-Watering:** ☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring*: ☒ Include the reason for the monitoring well, and, ☒ The duration of the planned monitoring.			

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), James Hawley
Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

OSE DIT AUG 12 2024 PM2:43

This application is:

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 14th day of August 20 24, for the State Engineer,

, State Engineer

By: K. Parekh
Signature

KASHYAP PAREKH
Print

Title: WATER RESOURCE MANAGER I
Print

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 07/10/2024

File No.: C-04869 POD 1 Trn No.: 765138

Appendix B
Field Data

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project:

Project Number: Latitude: Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
TT1 @ Sur 7.6	-	10,576	32.296584, -104.110132
TT1 @ 2 HS 7.0	-	8,332	
TT1 @ 4 HS 7.4	-	9752	
TT1 @ 6 HS 6.0	-	5,704	
TT1 @ 8 HS 4.6	-	3,808	
TT1 @ 10 6.6	-	1544	
TT1 @ 12 5.0	-	872	
TT1 @ 14 6.0	-	1254	
TT1 @ 16 5.2	-	940	
TT1 @ 18 6.0	-	1254	
TT2 @ Sur HS 7.2	-	9,008	32.296159, -104.110266
TT2 @ 2' HS 7.0	-	8,332	
TT2 @ 4' HS 7.0	-	8,332	
TT2 @ 6' HS 5.4	-	4540	
TT2 @ 8' HS 4.0	-	2,564	
TT2 @ 10 HS 4.8	-	3,588	
TT2 @ 12 5.0	-	872	
TT2 @ 14 4.4	-	684	
TT2 @ 16 3.8	-	520	
TT3 @ Sur HS 9.2	-	15,768	32.295738, -104.110651
TT3 @ 2 HS 6.4	-	7652	
TT3 @ 4 HS 6.0	-	5704	
TT3 @ 6 HS 4.0	-	2,564	
TT3 @ 8 7.0	-	1,800	
TT3 @ 10 6.0	-	1254	
TT3 @ 12 5.4	-	1,028	
TT3 @ 14 5.8	-	1,188	
TT3 @ 16 4.8	-	752	
TT3 @ 18 4.4	-	692	
TT3 @ 20 3.0	-	316	
TT4 @ Sur HS 9.2	-	25,768	32.295576, -104.108981
TT4 @ 2 HS 6.4	-	7,652	
TT4 @ 4 HS 8.0	-	14,768	
TT4 @ 6 6.4	-	1568	
TT4 @ 8 6.8	-	1680	
TT4 @ 10 4.4	-	692	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
TT4@12 6.0	-	1,776	
TT4@14 5.4	-	1,028	
TT4@16 4.2	-	632	
TT4@18 3.0	-	352	
TT1@20 3.2	-	392	

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Whitesnake 20/21 W2BC Fee #1H Battery

Project Number: 20904 Latitude: 32.296191 Longitude: -104.11026

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1 @ 1 HS 7.6	—	11568	32.296357, -104.110166
SP1 @ 2 HS 7.2	—	9,792	
SP1 @ 3 HS 7.4	—	10,640	
SP1 @ 4 HS 5.6	—	5,220	
SP2 @ 1 HS 7.6	—	11568	32.296628, 104.110117
SP2 @ 2 HS 7.0	—	9,028	
SP2 @ 3 HS 5.4	—	4,468	
SP2 @ 4 HS 5.0	—	4,128	
BGS 1 3.8	—	477	
SP3 @ 1 HS 6.8	—	8,332	32.296014, -104.110133
SP3 @ 2 HS 7.0	—	9,028	
SP3 @ 3 HS 5.2	—	4,468	
SP3 @ 4 HS 3.8	—	2516	
SP4 @ 1 HS 6.8	—	8,332	32.295558, -104.108982
SP4 @ 2 HS 4.6	—	3520	
SP4 @ 3 4.2	—	624	
SP4 @ 4 4.6	—	744	
SP5 @ 1 HS 6.2	—	6584	32.295734, -104.110236
SP5 @ 2 HS 7.2	—	9,792	
SP5 @ 3 HS 6.8	—	8,332	
SP5 @ 4 HS 6.4	—	7116	
FL 1 2.8	—	308	
FW1 2.0	—	188	
FL 2 @ 1 3.8	—	520	
FL 3 @ 1 1.4	—	116	
FL 4 @ 1 HS 6.0	—	6097	
FL 4 @ 2 HS 5.2	—	4,468	
FL 4 @ 3 HS 4.6	—	3,520	
FL 4 @ 4 3.2	—	384	
FL 5 @ 4 3.2	—	384	
SW1 3.0	—	348	
NW1 3.2	—	384	
SW2 3.4	—	428	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL6@4 2.4	—	244	
FL7@4 HS 5.8	—	1410	
FL8@4 6.0	—	1,256	
FL9@4 5.2	—	940	
FL10@4 HS 3.6	—	2304	
FL11@4 HS 6.0	—	6092	
FL12@4 2.8	—	308	
FL13@4 HS 4.0	—	2744	
FL14@4 HS 5.0	—	4,128	
NW2 3.0	—	348	
FL15@4 4.0	—	2304	
FL16@4 HS 3.6	—	2400	
FL17@4 3.0	—	348	
FL18@4 2.8	—	308	
FL19@4 HS 6.4	—	7,116	
FL20@4 4.0	—	572	
FL21@4 5.0	—	872	
FL22@4 6.4	—	1440	
FL23@4 6.4	—	1440	
FL24@4 HS 5.8	—	5288	
FL25@4 HS 6.0	—	5,704	
NW1 2.8	—	308	
NW5 3.0	—	348	
NW6 3.0	—	348	
SW3 3.6	—	472	
FL26@4 8.0	—	2544	
FL27@4' 5.6		1088	
FL28@4' HS 6.0		5,704	
FL29@4' HS 5.0		3,888	
FL30@4' 7.4		2036	
FL31@4' HS 4.8		3588	
FL32@4' 7.6		2188	
FL33@4' HS 5.4		4540	
FL34@4' 5.0		872	
FL35@4' HS 5.0		4128	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
Fl 36 @4' 3.0	–	348	
Fl 37 @4' HS 6.4	–	6628	
Fl 38@4' HS 6.0	–	5704	
WW1 3.0	–	348	
SW4 3.2	–	384	
NW7 4.6	–	572	
Fl 39 @4' 7.0	–	1768	
Fl 40 @4' 4.6	–	744	
Fl 41 @4' 4.4	–	684	
Fl 42 @4' 5.0	–	872	
Fl 43 @4' HS 4.4	–	3048	
Fl 44 @4' 5.4	–	1012	
Fl 45 @4' HS 4.4	–	3048	
Fl 46 @4' 3.8	–	520	
SW5 3.4	–	428	
Fl 47 @4' 4.0	–	572	
Fl 48 @4' 7.4	–	2036	
Fl 49 @4' 6.8	–	1652	
SW6 3.8	–	520	
Fl 50 @4' HS 6.0	–	5704	
Fl 51 @4' HS 4.0	–	2564	
Fl 52 @4' HS 6.4	–	6628	
Fl 53 @4' HS 7.0	–	8332	
Fl 54 @4' 3.0	–	348	
Fl 55 @4' HS 6.4	–	6628	
Fl 56 @4' 8.0	–	6364	
EW2 2.0	–	188	
Fl 57 @4' 3.4	–	428	
Fl 58@4' 3.0	–	348	
Fl 59@4' HS 3.6	–	2136	
Fl 60@4' HS 7.0	–	8332	
Fl 61@4' HS 6.0	–	5704	
Fl 62@4' 2.0	–	188	
WW2 3.8	–	520	
NW8 3.8	–	520	
Fl 63@4' 3.8	–	520	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID		PID/Odor	Chloride Conc.	GPS
SW7	2.0	–	188	
FL 64 @ 4'	7.6	–	1768	
FL 65 @ 4'	7.2	–	1896	
FL 66 @ 4'	6.2	–	1344	
FL 67 @ 4'	6.0	–	1256	
FL 68 @ 4'	6.2	–	1344	
FL 69 @ 4'	6.0	–	1256	
FL 70 @ 4'	4.6	–	744	
FL 71 @ 4'	3.2	–	384	
FL 72 @ 4'	6.8	–	1652	
WW3	3.2	–	472	
EW3	3.4	–	428	
FL 73 @ 4'	7.0	–	1768	
FL 74 @ 4'	HS 6.0	–	5704	
FL 75 @ 4'	7.8	–	2356	
FL 76 @ 4'	3.4	–	428	
FL 77 @ 4'	8.0	–	2544	
FL 78 @ 4'	4.6	–	744	
FL 79 @ 4'	6.8	–	1652	
FL 80 @ 4'	7.6	–	2188	
FL 81 @ 4'	HS 4.2	–	2800	
FL 82 @ 4'	8.0	–	2544	
FL 83 @ 4'	HS 4.8	–	3588	
FL 84 @ 4'	HS 5.6	–	4900	
FL 85 @ 4'	3.6	–	472	
EW5	3.4	–	428	
EW 4	3.6	–	472	
FL 86 @ 4'	4.2	–	624	
FL 87 @ 4'	3.0	–	348	
FL 88 @ 4'	4.8	–	804	
FL 89 @ 4'	HS 4.2	–	2800	
FL 90 @ 4'	HS 5.4	–	4546	
SW8	3.2	–	384	
SW9	3.0	–	348	
EW6	3.6	–	477	
EW7	3.6	–	472	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date:

Project: Whitesnake 20/21 W2BC Fee #1H Battery

Project Number: 20904 Latitude: 32.296191 Longitude: -104.11026

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 91 @ 4' HS 4.2	-	2,928	
FL 92 @ 4' HS 4.4	-	3,452	
FL 93 @ 4' HS 5.0	-	4,428	
FL 94 @ 4' HS 5.0	-	4,428	
FL 95 @ 4' HS 2.0	-	1,072	
FL 96 @ 4' HS 5.0	-	3,888	
FL 97 @ 4' HS 4.8	-	3,588	
FL 98 @ 4' HS 4.2	-	3,500	
FL 99 @ 4' HS 5.0	-	3,888	
FL 100 @ 4' HS 5.2	-	4,204	
FL 101 @ 4' HS 6.8	-	7,716	
FL 102 @ 4' HS 3.6	-	2,136	
FL 103 @ 4' HS 6.8	-	7,716	
FL 104 @ 4' HS 5.6	-	4,900	
FL 105 @ 4' HS 7.0	-	8,332	
FL 106 @ 4' HS 7.0	-	8,332	
FL 107 @ 4' HS 4.0	-	2,564	
FL 108 @ 4' HS 7.0	-	8,332	
FL 109 @ 4' HS 6.4	-	6,623	
FL 110 @ 4' HS 6.8	-	7,716	
W/4 3.0	-	316	
FL 111 @ 4' HS 7.0	-	9,064	
FL 112 @ 4' HS 6.8	-	6,680	
FL 113 @ 4' HS 6.6	-	7,668	
FL 114 @ 4' HS 7.2	-	9,884	
FL 115 @ 4' HS 7.0	-	9,064	
FL 116 @ 4' HS 7.2	-	9884	
FL 117 @ 4' HS 7.2	-	9,884	
FL 118 @ 4' HS 7.2	-	9,884	
FL 119 @ 4' HS 7.0	-	9,064	
FL 120 @ 4' HS 6.8	-	6,680	
FL 121 @ 4' HS 4.8	-	3,588	
FL 122 @ 4' HS 6.0	-	6,016	
FL 123 HS 7.0		9064	
FL 124 HS 7.0		9064	
FL 125 HS 6.8		6680	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project: Whitesnake 20/21 W2BC Fee #1H Battery

Project Number: 20904 Latitude: 32.296191 Longitude: -104.11026

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 126 @ 4' HS 6.6	— None	7,668	
FL 127 @ 4' HS 5.2	—	4,384	
FL 128 @ 4' HS 6.0	—	6,016	
Top Bench EW7 7.2	—	1,428	
Top Bench NW9 6.6	—	1,568	
Top Bench SW10 7.0	—	1,800	
FL 129 @ 4' 3.0	—	352	
FL 130 @ 4' HS 7.0	—	9,064	
FL 131 @ 4' HS 6.4	—	7,064	
FL 132 @ 4' HS 7.6	—	9,064	
FL 133 @ 4' HS 7.4	—	10,800	
FL 134 @ 4' HS 7.0	—	9,064	
FL 135 @ 4' HS 4.6	—	3,448	
FL 136 @ 4' HS 4.0	—	2,688	
FL 137 @ 4' HS 3.0	—	1,704	
SW 10 5.0	—	352	
WW 5 3.2	—	1872	
FL 138 @ 4' HS 6.8	—	8,332	
FL 139 @ 4' HS 7.0	—	9,064	
FL 140 @ 4' HS 4.6	—	3,440	
FL 141 @ 4' 3.4	—	436	
FL 142 @ 4' HS 3.0	—	1704	
FL 143 @ 4' HS 2.8	—	1536	
FL 144 @ 4' HS 4.0	—	2508	
FL 145 @ 4' HS 6.8	—	8,332	
FL 146 @ 4' HS 5.0	—	4,048	
FL 147 @ 4' HS 3.8	—	2,468	
FL 148 @ 4' HS 6.6	—	7,668	
FL 149 @ 4' HS 3.2	—	1984	
FL 150 @ 4' HS 2.2	—	1,076	
FL 151 @ 4' HS 2.6	—	1,384	
FL 152 @ 4' HS 6.6	—	7,668	
EW 8 5.2	—	952	
EW 8 3.8	—	528	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: _____

Project: Whitesnake 20/21 W2BC Fee #1H Battery

Project Number: 20904 Latitude: 32.296191 Longitude: -104.11026

Sample ID	PID/Odor	Chloride Conc.	GPS
FL153 @4 HS 4.0	-		
FL154 @4 3.0	-		
FL155 @4 HS 3.2	-		
FL156 @4 HS 3.0	-		
FL157 @4 HS 4.0	-		
FL158 @4 HS 4.4	-		
FL159 @4 HS 7.7	-		
FL160 @4 HS 3.0	-		
FL161 @4 HS 6.0	-		
FL-162 @16"	1800		
FL 163	2584		
	752		
	884		
	984		
	2584		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

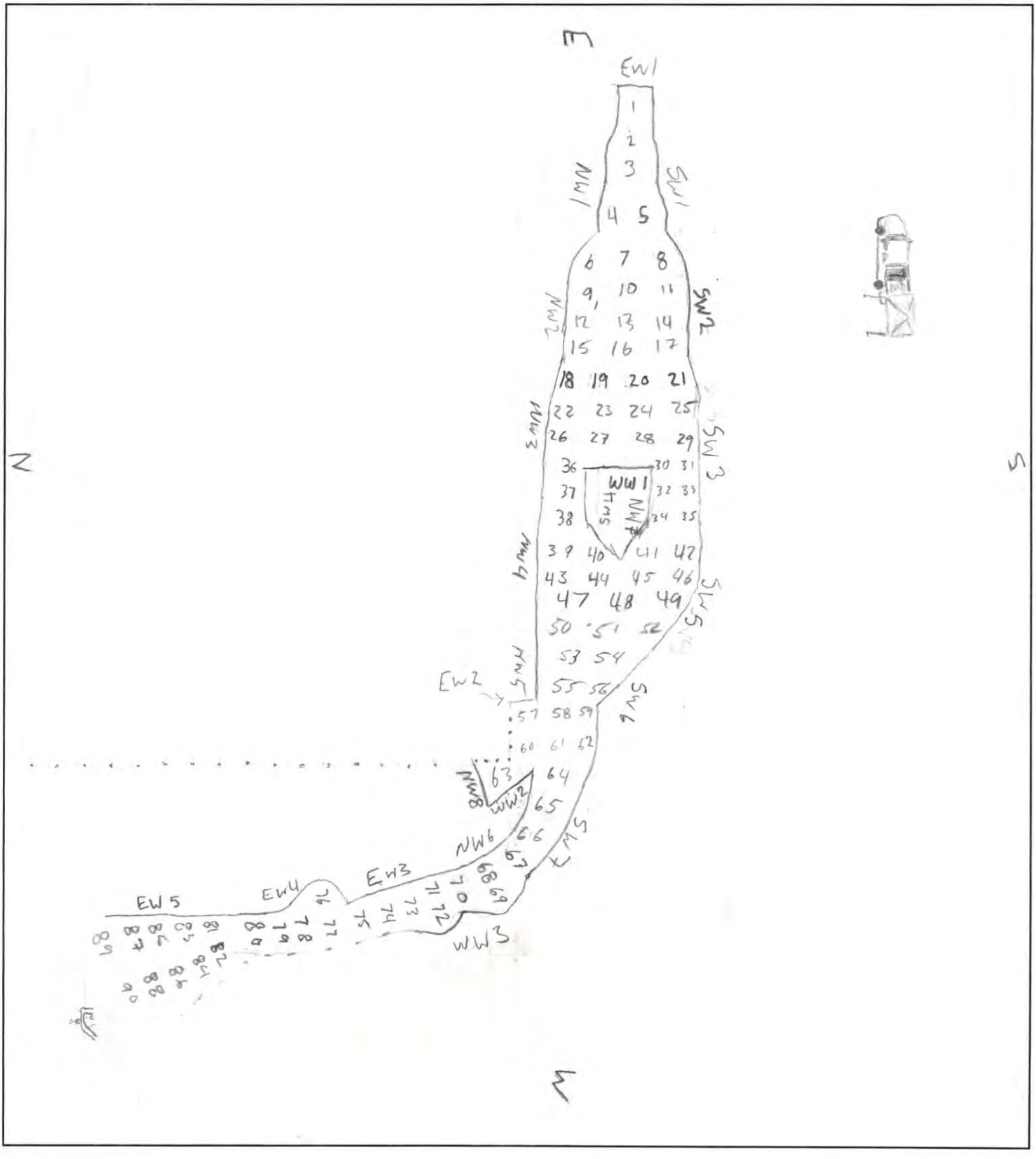
eTECH Environmental & Safety Solutions, Inc.

Field Map

Project Number: _____

Project: _____

Date: _____



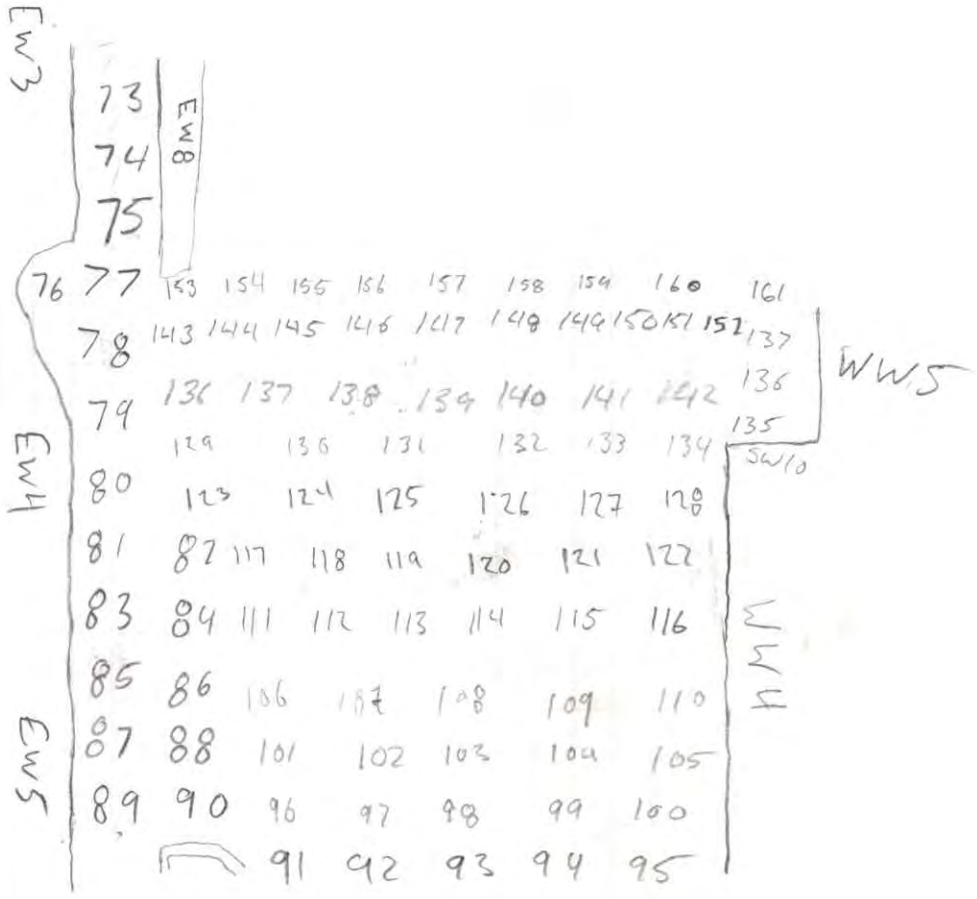
eTECH Environmental & Safety Solutions, Inc.

Field Map

Project Number: _____

Project: _____

Date: _____



eTECH Environmental & Safety Solutions, Inc.

Field Map

Project Number: _____

Project: Whitesnake 20121 Fee 1H Battery

Date: _____

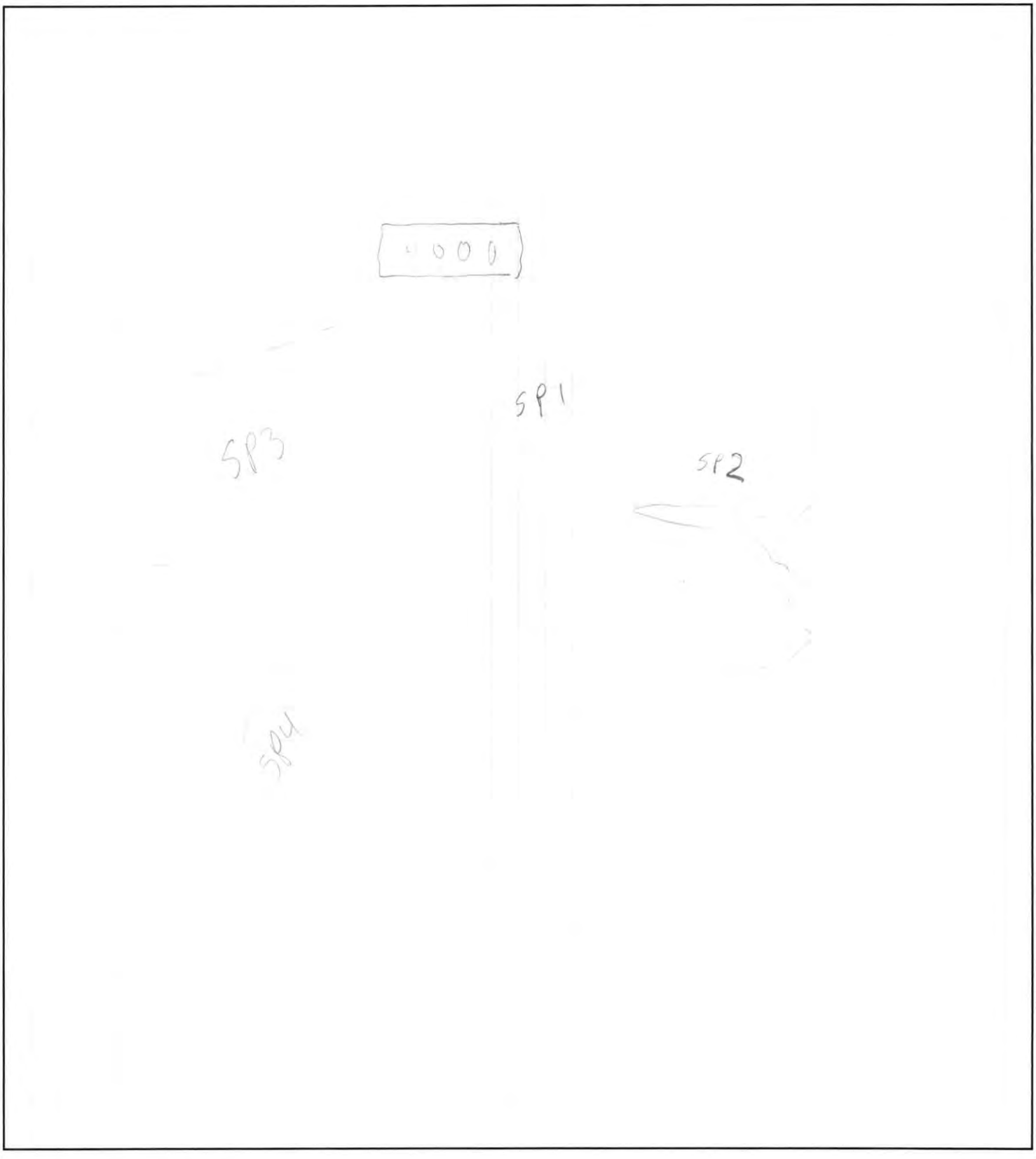
eTECH Environmental & Safety Solutions, Inc.

Field Map

Project Number: 20904

Project: Whitesnake 20/21 W2BC Fee #1H Battery

Date:



Appendix C
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: West	
Coordinates: 32.296138,-104.108792	
Date Taken: 7/30/2024	
Photo Description: Aerial view of the affected area.	

Photo Number: 2	
Photo Direction: East	
Coordinates: 32.296134,-104.111033	
Date Taken: 7/30/2024	
Photo Description: Aerial view of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: East	
Photo Description: View of the affected area	

Photo Number: 4	
Photo Direction: North	
Photo Description: View of the affected area	

Photographic Log

Photo Number: 5	
Photo Direction: North	
Photo Description: View of the affected area	

Photo Number: 6	
Photo Direction: North	
Photo Description: View of the affected area	

Photographic Log

Photo Number: 7	
Photo Direction: West	
Photo Description: View of the affected area	

Photo Number: 8	
Photo Direction: South-Southwest	
Photo Description: View of the affected area	

Photographic Log

Photo Number: 9	
Photo Direction: South	
Photo Description: View of the affected area	

Photo Number: 10	
Photo Direction: Southeast	
Photo Description: View of the affected area	

Photographic Log

Photo Number: 11	
Photo Direction: West-Northwest	
Photo Description: View of the affected area	

Photo Number: 12	
Photo Direction: West	
Photo Description: View of the affected area	

Photographic Log

Photo Number: 13	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 14	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 15	
Photo Direction: North	
Photo Description: View of the excavated area.	

Photo Number: 16	
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Appendix D
Laboratory Analytical Reports (Soil)

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 23, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITESNAKE 20/21 W2BC FEE #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/22/24 14:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 0' (H245127-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10800**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *84.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 2' (H245127-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10800**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *90.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 4' (H245127-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8400**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 6' (H245127-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6880**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *87.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 8' (H245127-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3920**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *86.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
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2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 10' (H245127-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1790**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *87.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 1 @ 12' (H245127-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1010**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *89.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 0' (H245127-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10400**	16.0	08/23/2024	ND	432	108	400	3.64	QM-07

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *78.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 2' (H245127-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10200**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *88.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 4' (H245127-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**12400**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *86.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 6' (H245127-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4760**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane *88.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 8' (H245127-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2320**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *87.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 10' (H245127-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5040**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *83.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.5 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 2 @ 12' (H245127-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *88.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 0' (H245127-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	GC-NC
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	GC-NC
Total Xylenes*	**0.283**	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**46400**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**13.4**	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	**904**	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	**190**	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *83.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 2' (H245127-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6720**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	**12.5**	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	**30.0**	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 4' (H245127-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4640**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *83.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.5 %* *49.1-148*

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LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 6' (H245127-18)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2800**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *88.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 8' (H245127-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3760**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *85.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 10' (H245127-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.06	103	2.00	4.67	
Toluene*	<0.050	0.050	08/22/2024	ND	1.98	98.8	2.00	4.43	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.01	101	2.00	4.40	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	5.95	99.1	6.00	4.31	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	210	105	200	2.27	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	206	103	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *93.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 3 @ 12' (H245127-21)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/22/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *93.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 0' (H245127-22)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/22/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	**0.406**	0.150	08/22/2024	ND	7.03	117	6.00	2.47	GC-NC1
Total BTEX	**0.464**	0.300	08/22/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**71200**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	**952**	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	**274**	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 2' (H245127-23)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/22/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6480**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	**10.1**	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *82.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 4' (H245127-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/22/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**18800**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 6' (H245127-25)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 8' (H245127-26)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *88.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 10' (H245127-27)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	08/23/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *88.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/22/2024	Sampling Date:	08/19/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE -32.296191-104.11026		

Sample ID: TT 4 @ 12' (H245127-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane *97.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:**	**Zip:**
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)								
H245177											✓														
1	TT 1 @ 0'	G	1			X					X		8/19/24		X	X	X								
2	TT 1 @ 2'	G	1			X					X		8/19/24		X	X	X								
3	TT 1 @ 4'	G	1			X					X		8/19/24		X	X	X								
4	TT 1 @ 6'	G	1			X					X		8/19/24		X	X	X								
5	TT 1 @ 8'	G	1			X					X		8/19/24		X	X	X								
6	TT 1 @ 10'	G	1			X					X		8/19/24		X	X	X								
7	TT 1 @ 12'	G	1			X					X		8/19/24		X	X	X								
8	TT 2 @ 0'	G	1			X					X		8/19/24		X	X	X								
9	TT 2 @ 2'	G	1			X					X		8/19/24		X	X	X								
10	TT 2 @ 4'	G	1			X					X		8/19/24		X	X	X								

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Relinquished By:	**Date:** 8.22.24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1457		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		RUSH SAMPLES - 24 H

Delivered By: (Circle One)	**Observed Temp. °C** -1.2	**Sample Condition** Cool Intact	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -1.8	☑ Yes ☐ Yes ☐ No ☐ No	AD	Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:**	**Zip:**
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H245127											✓						
11	TT 2 @ 6'	G	1			X					X		8/19/24		X	X	X
12	TT 2 @ 8'	G	1			X					X		8/19/24		X	X	X
13	TT 2 @ 10'	G	1			X					X		8/19/24		X	X	X
14	TT 2 @ 12'	G	1			X					X		8/19/24		X	X	X
15	TT 3 @ 0'	G	1			X					X		8/19/24		X	X	X
16	TT 3 @ 2'	G	1			X					X		8/19/24		X	X	X
17	TT 3 @ 4'	G	1			X					X		8/19/24		X	X	X
18	TT 3 @ 6'	G	1			X					X		8/19/24		X	X	X
19	TT 3 @ 8'	G	1			X					X		8/19/24		X	X	X
20	TT 3 @ 10'	G	1			X					X		8/19/24		X	X	X

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Relinquished By:	**Date:** 8-22-24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1457		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 H
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 1.2 **Corrected Temp. °C** 1.8	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** AD	**Turnaround Time:** Standard ☐ Rush ☒ Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:**	**Zip:**
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H245127																									
21	TT 3 @ 12'	G	1			X					X		8/19/24		X	X	X								
22	TT 4 @ 0'	G	1			X					X		8/19/24		X	X	X								
23	TT 4 @ 2'	G	1			X					X		8/19/24		X	X	X								
24	TT 4 @ 4'	G	1			X					X		8/19/24		X	X	X								
25	TT 4 @ 6'	G	1			X					X		8/19/24		X	X	X								
26	TT 4 @ 8'	G	1			X					X		8/19/24		X	X	X								
27	TT 4 @ 10'	G	1			X					X		8/19/24		X	X	X								
28	TT 4 @ 12'	G	1			X					X		8/19/24		X	X	X								

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Relinquished By:	**Date:** 8-22-24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1457		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 H
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -1.2 **Corrected Temp. °C** -1.8	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☒ Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 27, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITESNAKE 20/21 W2BC FEE #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/26/2024	Sampling Date:	08/19/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: TT 1@14' (H245176-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1170**	16.0	08/27/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	199	99.6	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	207	104	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane *89.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/26/2024	Sampling Date:	08/19/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: TT 2@14' (H245176-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	08/27/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	199	99.6	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	207	104	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:**	**Zip:**
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H245176																	
1	TT 1 @ 14'	G	1			X					X		8/19/24		X	X	X
2	TT 2 @ 14'	G	1			X					X		8/19/24		X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 8-26-24 **Time:** 1451	**Received By:**	
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: pm@etechenv.com

REMARKS:

RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -6.8 **Corrected Temp. °C** -7.4	**Sample Condition** Cool ☑ Yes ☐ No / Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☒ Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/20/2026 10:57:46 AM

Released to Imaging: 5/22/2026 8:29:06 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITESNAKE 20/21 W2BC FEE #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/27/2024	Sampling Date:	08/19/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: TT 1 @ 16' (H245212-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTEX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1040**	16.0	08/28/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/27/2024	Sampling Date:	08/19/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: TT 2 @ 16' (H245212-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTEX	<0.300	0.300	08/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/28/2024	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:**	**Zip:**
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)								
4245212											✓														
1	TT 1 @ 16'	G	1			X					X		8/19/24		X	X	X								
2	TT 2 @ 16'	G	1			X					X		8/19/24		X	X	X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 8-27-24	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 1455		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One)	**Observed Temp. °C** 3.8	**Sample Condition**	**CHECKED BY: (Initials)**	**Turnaround Time:**	**Bacteria (only) Sample Condition**
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** 4.4	Cool: ☑ Yes ☐ No / Intact: ☐ Yes ☐ No		Standard ☐ / Rush ☒	Cool: ☐ Yes ☐ No / Intact: ☐ Yes ☐ No / Observed Temp. °C / Corrected Temp. °C
				Thermometer ID #140 Correction Factor -0.6°C	

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/20/2026 10:57:46 AM

Released to Imaging: 5/22/2026 8:29:06 AM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITESNAKE 20/21 W2BC FEE #1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
LANCE CRENSHAW
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	08/28/2024	Sampling Date:	08/19/2024
Reported:	08/29/2024	Sampling Type:	Soil
Project Name:	WHITESNAKE 20/21 W2BC FEE #1H BAT	Sampling Condition:	Cool & Intact
Project Number:	20910	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.296191-104.11026		

Sample ID: TT 1@18' (H245242-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	0.850	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.28	114	2.00	0.786	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.80	113	6.00	0.630	
Total BTEX	<0.300	0.300	08/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	08/29/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 574 of 593

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Lance Crenshaw	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Mewbourne
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Connor Walker
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20910 **Project Owner:** Mewbourne	**City:**	
Project Name:	Whitesnake 20/21 W2BC Fee #1H Battery	**State:** **Zip:**	
Project Location:	32.296191, -104.11026	**Phone #:**	
Sampler Name:	Dominic Casarez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H245242																									
1	TT 1 @ 18'	G	1			X					X		8/19/24		X	X	X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 05-28-24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1448		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	REMARKS:
	Time:		RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One)	**Observed Temp. °C** -0.8	**Sample Condition** Cool ☑ Yes ☐ No / Intact ☐ Yes ☐ No	**CHECKED BY: (Initials)** AD	**Turnaround Time:** Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -1.4			Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool ☐ Yes ☐ No / Intact ☐ Yes ☐ No — Observed Temp. °C — Corrected Temp. °C

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/20/2026 10:57:46 AM

Released to Imaging: 5/22/2026 8:29:06 AM

Appendix E
Laboratory Analytical Reports (Groundwater)

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 03, 2024

CONNER WALKER

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: CWMS WHITESNAKE RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 14:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MEWBOURNE OIL COMPANY
CONNER WALKER
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	08/28/2024	Sampling Date:	08/28/2024
Reported:	09/03/2024	Sampling Type:	Water
Project Name:	CWMS WHITESNAKE RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NOT GIVEN		

Sample ID: GW 1@22 (H245244-01)

Chloride, SM4500Cl-B (Water) **mg/L** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**6000**	4.00	08/29/2024	ND	108	108	100	3.77	

TDS 160.1 **mg/L** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**12600**	15.0	08/30/2024	13.0	518	104	500	2.13	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Mewbourne Oil Company	**BILL TO**	
Project Manager:	Connor Walker	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	CWMS WHITESNAKE RISER	State: Zip:	
Project Location:	CWMS WHITESNAKE RISER	Phone #:	
Sampler Name:	J. Broom	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TDS	Cl -											
H245244																											
1	GW 1 @ 22'		1	✓							✓		8-22-24	~~1145~~ 0900	✓	✓											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jeff Broom	Date: 8-22-24 Time: 1458	Received By: S Rodriguez	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 9.3	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 3day	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 8.7	☐ Yes ☑ Yes ☐ No ☐ No	SR	Thermometer ID #140 Correction Factor -0.6°C	☐ Yes ☐ Yes ☐ No ☑ No Corrected Temp. °C

FORM-006 R 3.3 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 4/20/2026 10:57:46 AM

Released to Imaging: 5/22/2026 8:29:06 AM

Appendix F
Regulatory Correspondence

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375068
Date: Monday, August 19, 2024 12:12:07 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/23/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375072
Date: Monday, August 19, 2024 12:15:53 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/26/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez (432)813-1062

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375073
Date: Monday, August 19, 2024 12:17:58 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/27/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez (432)813-1062

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375075
Date: Monday, August 19, 2024 12:20:32 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/28/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez (432)813-1036

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375078
Date: Monday, August 19, 2024 12:22:15 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/29/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez (432)813-1036

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From: OCDOnline@state.nm.us
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 375081
Date: Monday, August 19, 2024 12:24:20 PM

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2422659329.

The sampling event is expected to take place:

When: 08/30/2024 @ 07:00
Where: C-20-23S-28E 0 FNL 0 FEL (32.29585,-104.11035)

Additional Information: Dominic Casarez (432)813-1036

Additional Instructions: From Start Point: 32.297937, -104.105132 (US-HWY 285 and E London Rd) Head W on W London R for .43 miles, S for .10 miles,
E across pad for .09 miles to arrive at release: White Snake 20-21 W2BC Fee #1H Battery (GPS: 32.296049, -104.110200)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1834536769**
Incident Name	**NAB1834536769 CIGARILLO PW SYSTEM ROW @ FAB1834536161**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAB1834536161] CIGARILLO PW SYSTEM ROW**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CIGARILLO PW SYSTEM ROW
Date Release Discovered	11/03/2018
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: Equipment Failure | Unknown | Produced Water | Released: 248 BBL | Recovered: 0 BBL | Lost: 248 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 04/20/2026

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
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.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	52100
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	71
GRO+DRO	(EPA SW-846 Method 8015M)	71
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		07/16/2026
On what date will (or did) the final sampling or liner inspection occur		07/16/2026
On what date will (or was) the remediation complete(d)		07/16/2026
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		98180
What is the estimated volume (in cubic yards) that will be remediated		2095
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
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.		

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I 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: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 04/20/2026
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.	

Sante Fe Main Office
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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**569727**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/06/2026**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**15000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 577045
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved along with the following conditions; 1. An alternative sampling plan not to exceed 400 square feet for each five (5) point composite from the excavation floor per 19.15.29.12D (1b) NMAC is approved. All other provisions addressed in 19.15.29.12D NMAC remain in effect. 2. EOG is required to complete the excavation and removal of impacted soils until confirmation samples collected from the bottom and sidewalls of the excavation report NMOCD Closure Criteria per 19.15.29.12 NMAC has been achieved. Since the remediation is less than a foot in depth, sidewall samples may be included within the excavation bottom portion. 3. EOG has 90-days (August 20, 2026) to submit to OCD its appropriate or final remediation closure report.	5/22/2026