

SITE INFORMATION

Deferral Report Mescalero (11.07.2024) Incident ID: NAPP2431326911 Lea County, New Mexico Unit H Sec 07 T19S R34E 32.668111°, -103.604005°

Point of Release: Valve on the LACT unit Release Date: 11.07.2024 Volume Released: 23 Barrels of Crude Oil Volume Recovered: 21 Barrels of Crude Oil

CARMONA RESOURCES



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

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

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



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January 13, 2024

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

Re: Deferral Report Mescalero (11.07.2024) Incident ID: NAPP2431326911 Delek Logistics Companies Site Location: Unit H, S07, T19S, R34E (Lat 32.668111°, Long -103.604005°) Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Companies (Delek), Carmona Resources, LLC has prepared this letter to document site activities for the Mescalero release. The site is located at 32.668111°, -103.604005° within Unit H, S07, T19S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the incident was discovered on November 7, 2024, caused by failure at a valve on the LACT unit. It released approximately twenty-three (23) barrels of crude oil, with twenty-one (21) barrels of crude oil recovered. The release occurred inside the lined containment of the LACT unit and over sprayed onto the well pad and pasture. Refer to Figure 3 for a spill overview. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources are within a 0.50-mile radius of the location. The nearest water well is approximately 1.10 miles North of the site in S06, T19S, R34E and was last gauged in 2021. The reported depth to groundwater is 243.93' feet below the ground surface (ft bgs). A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On November 13, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) sample points (S-1 through S-7), and six (6) horizontal samples (H-1 through H-6) were installed to total depths ranging from surface to 9.0' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the



soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. 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 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Secondary Assessment

On November 19, 2024, Carmona Resources, LLC was onsite overseeing remediation activities and installed two (2) test trenches (T-1 and T-2) to vertically delineate the areas of S-2 & S-3, respectively. The test trenches were installed to total depths ranging from surface to 10.0' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. 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 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was achieved for the areas of S-1 and S-4 through S-7 during the initial assessment. The areas of S-2 & S-3 were later delineated during the secondary assessment by T-1 & T-2, respectively. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Between November 18, 2024, and November 21, 2024, Carmona Resources personnel were onsite to oversee the remediation activities, collect confirmation samples and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on November 14, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of thirty-one (31) confirmation floor samples (CS-1 and CS-31), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils at the time. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Deferral Area

Between November 18, 2024, and November 21, 2024, Carmona Resources personnel were onsite to oversee a third party hydrovac company remove material of the area that included pipe racks and elevated flowlines between S-1 and the area of S-2 & S-3 (See figure 3). During the hydrovac operations, the ground became very unstable around the pipe rack supports and equipment began to shift. Work was immediately halted, and wooden supports were installed so that no additional shifting was to occur. Furthermore, the excavation of the areas S-2 & S-3 was also taking place and the ground experienced

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cave-ins, which also affected the stability of the ground under the pipe racks (approximately 8 feet to the north). After further investigation, it was determined that the area under the pipe rack and the areas of S-2 & S-3 had been previously excavated during a 2023 spill remediation (NAPP2305947643) and was backfilled with soft topsoil material. This soft topsoil material combined with fluid from the hydrovac operations created an unsafe environment in which cave-ins occurred throughout the excavation area. The area directly under the pipe racks was hydro-excavated to a depth of 1.0' before the operation was terminated. Composite confirmation floor and sidewall samples were collected to document the area to be deferred for future reference. CS-26 through CS-28 and SW-5 & SW-6 represent the deferred areas under the pipe racks. Please see Table 2 and Figure 4 for reference. Correspondence of this situation can also be found in Appendix C.

Approximately 5,280 square feet and 288 cubic yards of material were excavated and transported offsite for proper disposal. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Backfill material was collected from the Smith Ranch backfill pit located at 32.682954, -103.601634. A composite backfill sample was collected at the backfill pit and was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. See Table 2.

6.0 Liner Inspection Activities

Before conducting the liner inspection, a crew was onsite to remove all freestanding fluids within the containment of the LACT unit. Once the plastic liner was thoroughly cleaned, the NMOCD division office was notified via NMOCD portal on November 14, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence prior to performing the liner inspection. On November 19, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the LACT unit area and determined the liner was intact with no integrity issues. Refer to the Photolog in Appendix B and Figure 6 for details. Appendix C also contains a Liner Integrity Certification.

7.0 NMOCD Communications

On November 15, 2024, a meeting with the NMOCD, Delek Logistics personnel, and Carmona Resources personnel was conducted to discuss inconsistencies that were discovered during the initial site assessment as well as safety concerns which led to areas being deferred. Following the site assessment that occurred on November 13, 2024, a review of the lab analytical data occurred for which some inconsistencies were found. The release documented within this report was a crude oil spill from the LACT unit onsite. The contamination expected to be found from a crude oil release are hydrocarbons and benzene, toluene, ethylbenzene, and xylenes (BTEX). During the initial site assessment, the area of S-5, which was more than 40 feet away from the point of release, showed elevated concentrations of Chloride contamination, which is not consistent with a crude oil release from a LACT unit.

After the meeting on November 15, 2024, it was determined that the contamination found in the area of S-5 was not consistent with this crude oil release and Delek was not responsible for remediating that area. Correspondence and documents presented in that meeting can be found in Appendix C.

8.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded on December 6, 2024. The appropriate pounds of pure live seed per acre were used. The seeds were applied via seed broadcaster. The seed mixture used was BLM LPC Seed Mix (see attachments in Appendix B). Site inspections will be performed to evaluate the revegetation progress and assess the site for the presence of primary or secondary noxious weeds. An eradication method will be implemented if any noxious weeds are present.



9.0 Conclusions

Based on the remediation results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Delek formally requests the approval of this deferral report. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Ashton Thielke Environmental Manager

AC

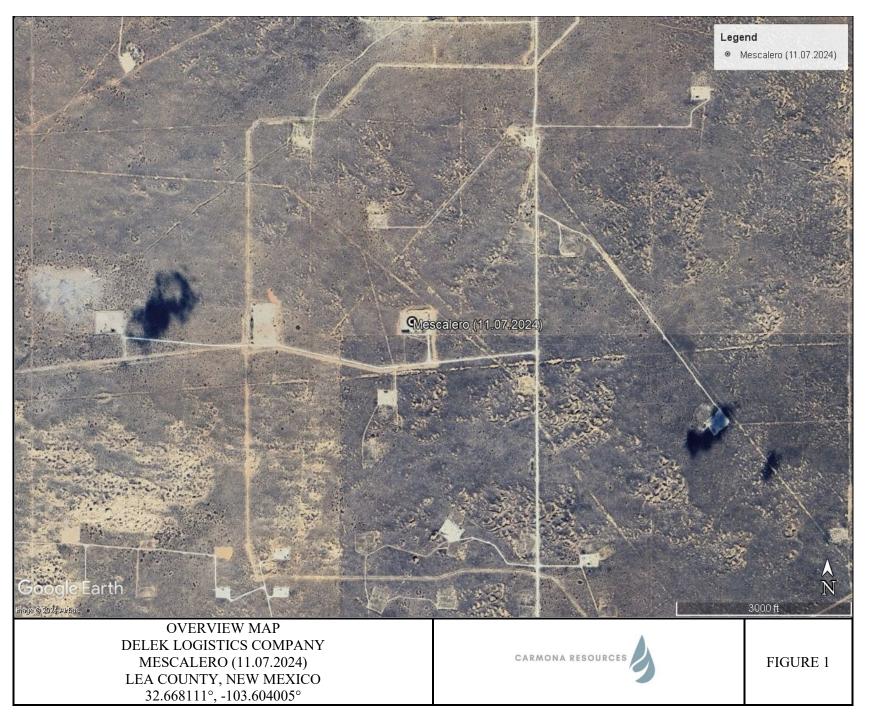
Gilbert Priego Jr. Project Manager

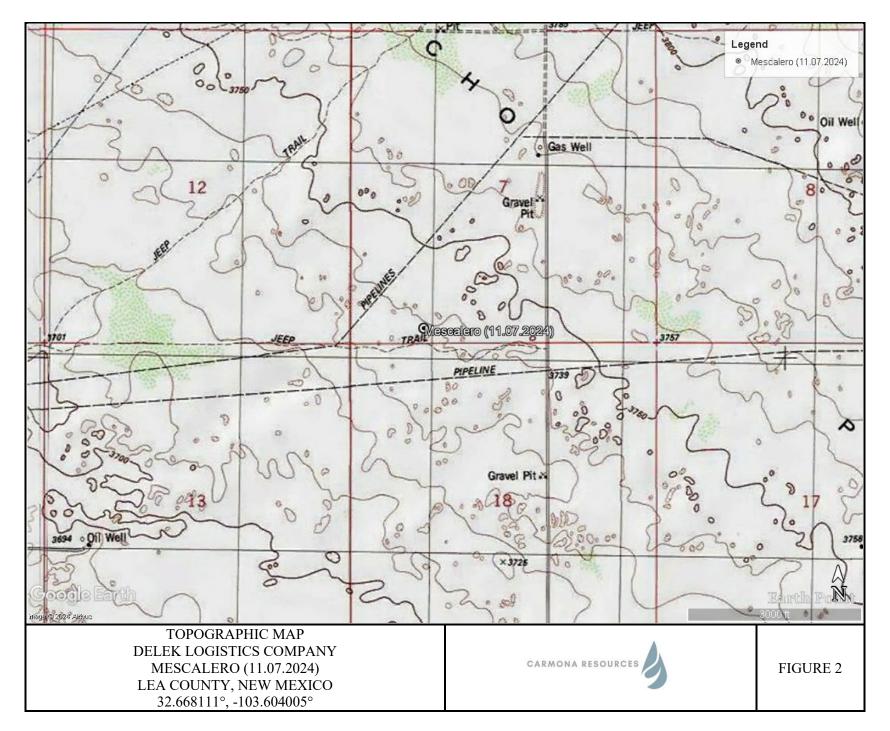
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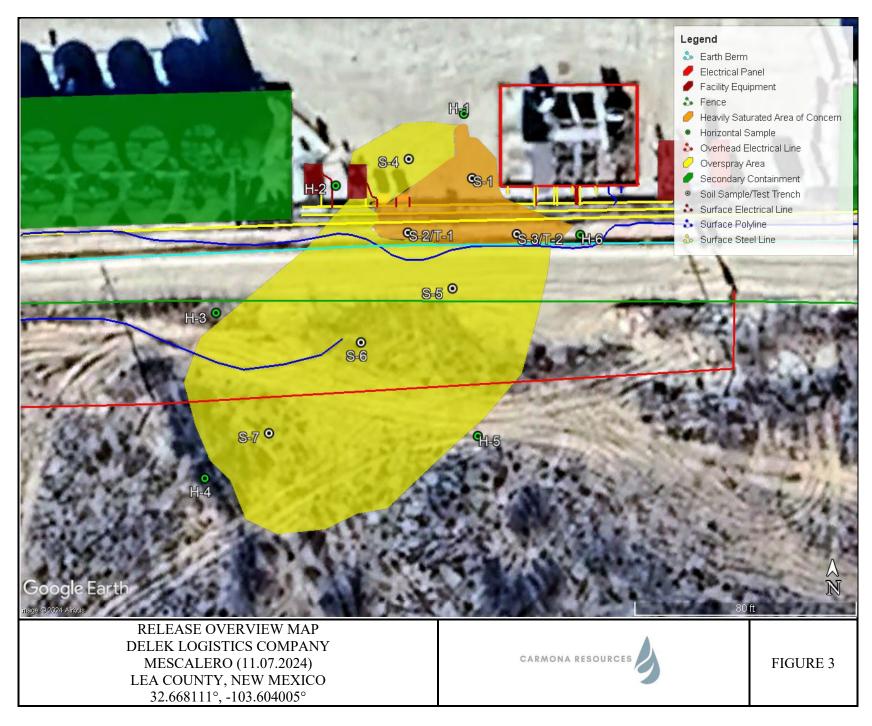
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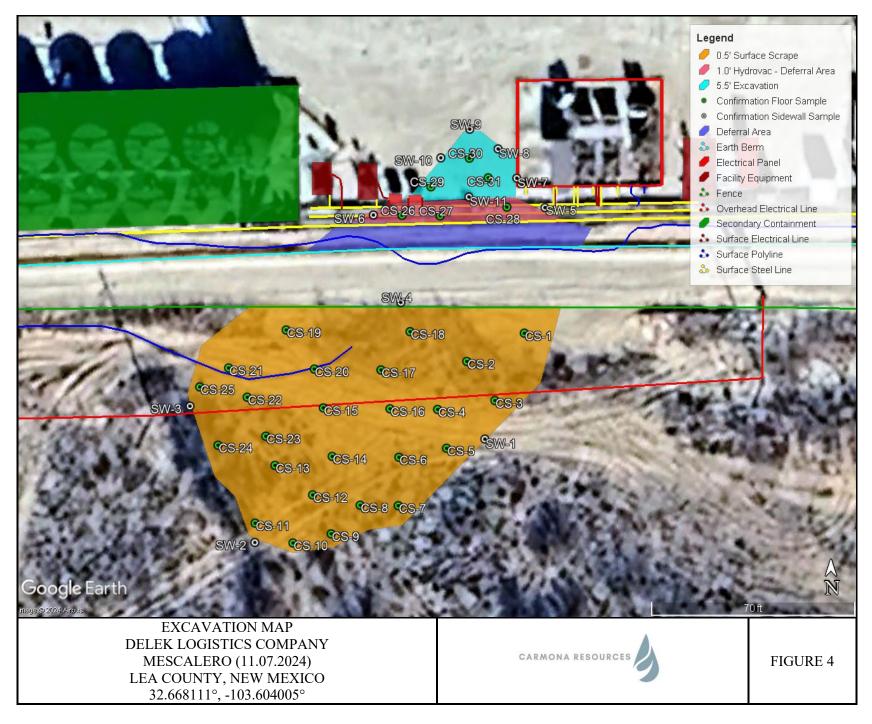


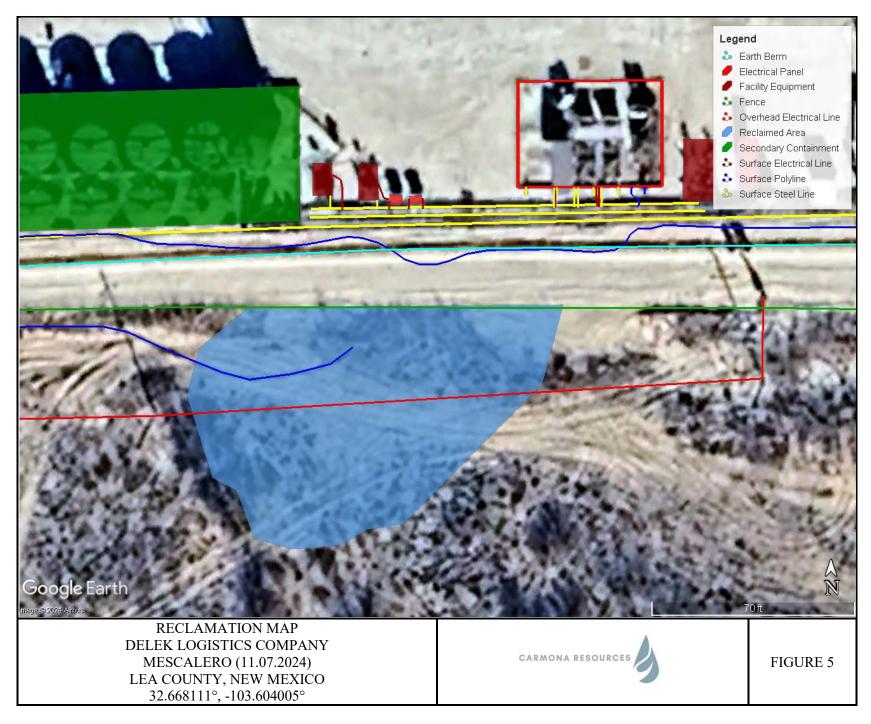














APPENDIX A



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Table 1 **Delek Logistics** Mescalero (11.07.2024) Lea County, New Mexico

Sample ID	Date	Depth (ft)	GRO	TPH DRO	l (mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
	11/13/2024	0-1'	108	1,110	183	1,401	<0.050	0.406	1.97	3.72	6.09	544
		1.5'	63.0	674	112	849	<0.050	0.126	0.269	0.485	0.880	944
		2.0'	11.1	273	47.5	332	<0.050	0.101	0.32400	0.669	1.09	64.0
		3.0'	104	1,090	191	1,385	<0.050	< 0.050	< 0.050	<0.150	< 0.300	32.0
		4.0'	64.8	701	114	880	<0.050	<0.050	<0.050	<0.150	< 0.300	48.0
S-1		5.0'	11.6	270	42.3	324	< 0.050	< 0.050	<0.050	<0.150	< 0.300	48.0
		6.0'	<10.0	14.9	<10.0	14.9	<0.050	<0.050	<0.050	<0.150	< 0.300	32.0
		7.0'	<10.0	11.6	<10.0	11.6	< 0.050	< 0.050	<0.050	<0.150	< 0.300	32.0
		8.0'	<10.0	19.5	<10.0	19.5	< 0.050	< 0.050	0.097	0.246	0.343	48.0
		9.0'	<10.0	22.6	<10.0	22.6	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	32.0
	44/40/0004								215			
	11/13/2024	0-1' 1.5'	6,700 22.6	12,500 40,2	1,980 <10.0	21,180 62.8	51.4 1.21	348 3.83	215	311 3.01	925 10.2	32.0 16.0
		2.0'	22.6	34.1	<10.0	62.0	2.01	9.994	6.04	8.65	26.6	32.0
		3.0'	27.9	41.1	<10.0	66.3	4.55	25.1	15.5	22.3	20.0 67.4	48.0
S-2		4.0'	<10.0	59.6	<10.0	59.6	4.55 <0.050	0.337	0.376	0.640	1.35	46.0
3-2		4.0 ⁻ 5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	0.337	0.376	0.640	1.35	16.0
		6.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	32.0
		7.0'	22.6	189	22.1	234	< 0.050	0.204	0.218	0.418	0.84	32.0
				169	22.1	234	0.075		0.218	0.418		32.0
		7.5'R	12.6					0.313			1.05	
	11/19/2024	1.0'	<10.0	108	18.6	127	<0.050	0.102	0.221	0.451	0.774	32.0
T-1		2.0'	18.9	35.6	<10.0	55.0	0.569	1.31	0.744	1.13	3.75	<16.0
		3.0'	<10.0	<10.0	<10.0	<10.0	0.222	0.53	0.33	0.625	1.71	16.0
		4.0'	898	1,930	359	3,187	15.4	104	74.8	113	306	32.0
		5.0'	<10.0	28.8	<10.0	28.8	<0.050	0.135	0.102	<0.150	0.356	96.0
		6.0'	<10.0	45.4	<10.0	45.4	<0.050	0.328	0.347	0.572	1.25	64.0
		7.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
		8.0'	<10.0	39.8	<10.0	40.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
		9.0'	<10.0	26.4	<10.0	27.0	< 0.050	0.065	0.143	0.307	0.515	64.0
		10.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	11/13/2024	0-1'	7,100	15,000	2,490	24,590	39.0	334	235	350	958	16.0
		1.5'	36.6	138	<10.0	175	1.63	6.79	4.75	7.28	20.4	16.0
		2.0'	<10.0	15.4	<10.0	15.4	0.278	0.601	0.184	0.245	1.31	32.0
		3.0'	27.6	134	<10.0	162	0.174	1.90	2.48	4.38	8.93	32.0
S-3		4.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	0.230	0.376	0.648	1.25	16.0
		5.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<16.0
		6.0'	11.5	74.0	<10.0	85.5	< 0.050	0.730	1.17	2.07	3.97	32.0
		7.0'	<10.0	46.9	<10.0	46.9	< 0.050	< 0.050	<0.050	<0.150	< 0.300	240
		7.5' R	<10.0	160	18.2	178	<0.050	0.096	0.214	0.545	0.855	480
	11/19/2024	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	< 0.300	32.0
	"	2.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	<0.300	16.0
		3.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	<0.300	32.0
		4.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	32.0
T-2		5.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	16.0
	1		<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	32.0
T-2			<10.0			<10.0						
T-2		6.0'	-10.0	-10.0			< 0.050	< 0.050	<0.050	<0.150	<0.300	1,710
Т-2	"	7.0'	<10.0	<10.0	<10.0			4.00	1.00	0.00	4.00	
T-2	"	7.0' 8.0'	<10.0	<10.0	<10.0	<10.0	0.091	1.29	1.33	2.09	4.80	416
T-2	"	7.0' 8.0' 9.0'	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	0.091 <0.050	<0.050	<0.050	<0.150	<0.300	1,580
	"	7.0' 8.0'	<10.0	<10.0	<10.0	<10.0	0.091					

^A - Table 1 - 19.15.29 NMAC

~ Table 1 - 19, 15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (S) Sample Point
 (T) Test Trench
 Removed

Deferment Area

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Table 1 **Delek Logistics** Mescalero (11.07.2024) Lea County, New Mexico

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Sample ID	Date	Depth (ft)		ТРН	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	
Sample ID	Date	Deptil (It)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	11/13/2024	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
S-4		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	48.0
5-4		2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
		3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	11/13/2024	0-1'	<10.0	18.7	<10.0	18.7	< 0.050	< 0.050	<0.050	<0.150	< 0.300	1,440
		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	<0.300	3,240
		2.0'	<10.0	57.8	<10.0	57.8	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	2,200
S-5		3.0'	<10.0	50.3	<10.0	50.3	< 0.050	< 0.050	<0.050	<0.150	< 0.300	1,780
		4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
S-6		0.5-1.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	< 0.300	64.0
	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-7		0.5-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
		2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-1	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-2	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
H-3	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-4	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-5	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-6	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0.
	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) No	ot Analyzed											

(-) Not Analyzed A – Table 1 - 19.15.29 NMAC mg/kg – milligram per kilogram TPH - Total Perfoleum Hydrocarbons ft - feet (S) Sample Point (H) Horizontal Sample Removed

Released to Imaging: 1/31/2025 3:41:55 PM

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Table 2 Delek Logistics Mescalero (11.07.2024) Lea County, New Mexico

Lea County, New Mexico												
Sample ID	Date	Depth (ft)			l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
			GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CS-1	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-2	11/19/2024	0.5'	<10.0	112	26.8	139	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	48.0
	11/21/2024	0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
CS-3	11/19/2024	0.5'	<10.0	37.8	<10.0	37.8	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	11/19/2024	0.5'	<10.0	23.8	<10.0	23.8	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-8	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-9	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-13	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-14	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	11/19/2024	0.5'	<10.0	46.2	<10.0	46.2	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-16	11/19/2024	0.5'	<10.0	77.0	<10.0	77.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-17	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-18	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-19	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-20	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-21	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-22	11/19/2024	0.5'	<10.0	37.4	<10.0	37.4	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-23	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-24	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-25	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-26	11/19/2024	1.0'	<10.0	98.2	13.0	111	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-27	11/19/2024	1.0'	359	1,150	165	1,674	0.138	10.1	17.4	31.0	58.5	64.0
CS-28	11/19/2024	1.0'	387	1,030	117	1,534	2.28	26.9	33.0	46.5	109	112
CS-29	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-30	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-31	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) No	ot Analyzed											

(-) Not Analyzed A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (OO) Confermation Complete

(CS) Confirmation Smaple Deferment Area

Removed

Table 2 Delek Logistics Mescalero (11.07.2024) Lea County, New Mexico

Sample ID	Date	Depth (ft)	GRO	TPH DRO	l (mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
SW-1	11/19/2024	0.5'	GRO <10.0	16.6	×10.0	16.6	<0.050	<0.050	<0.050	<0.150	(mg/kg) <0.300	16.0
SW-2	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	11/19/2024	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	11/19/2024	1.0'	11.9	68.8	<10.0	80.7	<0.050	<0.050	0.154	0.786	0.94	64.0
SW-6	11/19/2024	1.0'	<10.0	31.5	<10.0	31.5	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-8	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-10	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-11	11/19/2024	5.5'	<10.0	<10.0	<10.0	<10.0	<0.050	0.068	<0.050	<0.150	<0.300	112
Smith Ranch Pit	12/6/2024	-	<10.0	<10.0	<10.0	<10.0	<0.050	0.068	<0.050	<0.150	<0.300	289
	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet

(SW) Sidewall Sample

APPENDIX B



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 1

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of the lined containment prior to being cleaned.



Photograph No. 2

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southeast, area of the lined containment prior to being cleaned.



Photograph No. 3

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southeast, area of the release before remediation.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 4

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of the release before remediation.



Photograph No. 5

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of the release before remediation.





Photograph No. 6

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of the release before remediation.





PHOTOGRAPHIC LOG

Delek Logistics Company



Photograph No. 8

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View South of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.





Photograph No. 9

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southeast of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.





PHOTOGRAPHIC LOG

Delek Logistics Company

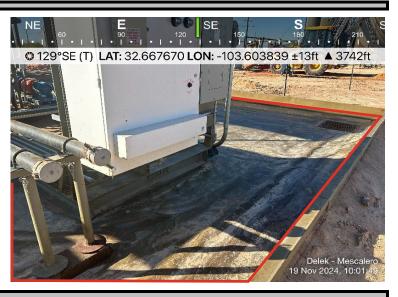
Photograph No. 10

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southeast of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.



S

Photograph No. 11

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View South of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.



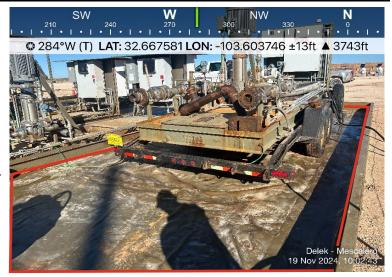
Photograph No. 12

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View West of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.





SW

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PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 13

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View North of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.



Photograph No. 14

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Northwest of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.



Photograph No. 15

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Northwest of the intact liner after it was thoroughly cleaned. Red outline is the area of the liner inspection.





PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 16

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of the surface scrapped area of S-5.



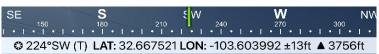
Photograph No. 17

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-25.





Photograph No. 18

- Facility: Mescalero (11.07.2024)
- County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-25.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 19

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-26 through CS-28.



Photograph No. 20

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View North, area of CS-26 through CS-28.



Photograph No. 21

- Facility: Mescalero (11.07.2024)
- County: Lea County, New Mexico

Description:

View East, area of CS-26 through CS-28.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 22

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View South, area of CS-29 through CS-31.



Photograph No. 23

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of CS-29 through CS-31.





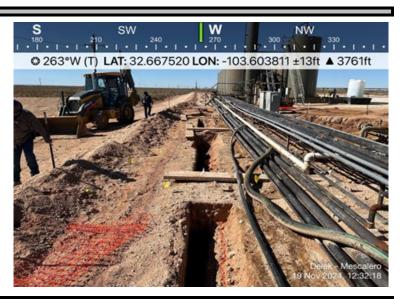
Photograph No. 24

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View West, area of T-1 & T-2, used for deferral.



SE

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 25

Facility:Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of T-1 & T-2, used for deferral.



Photograph No. 26

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Northwest, area of S-2/T-1.





Photograph No. 27

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

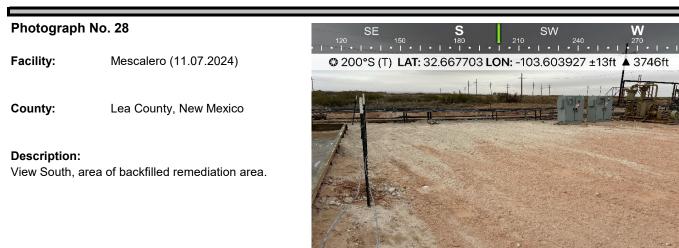
View West, area of S-3/T-2.





PHOTOGRAPHIC LOG

Delek Logistics Company



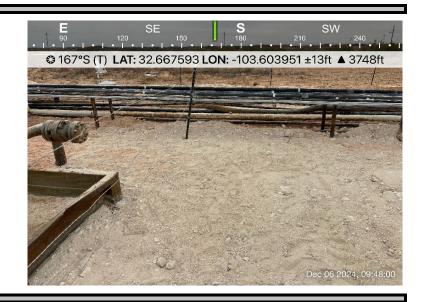
Photograph No. 29

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View South, area of backfilled remediation area.



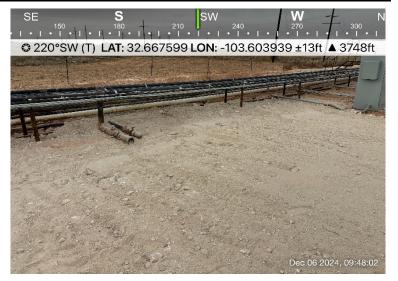
Photograph No. 30

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Southwest, area of backfilled remediation area.



PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 31 Facility: Mescalero (11.07.2024) County: Lea County, New Mexico Description: View Southeast, area of backfilled remediation area.

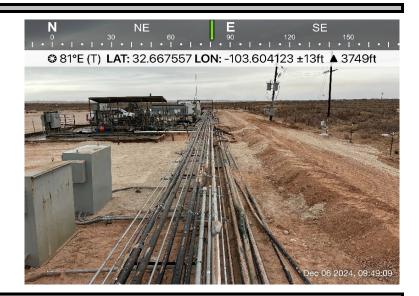
Photograph No. 32

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of backfilled remediation area.



Photograph No. 33

- Facility: Mescalero (11.07.2024)
- County: Lea County, New Mexico

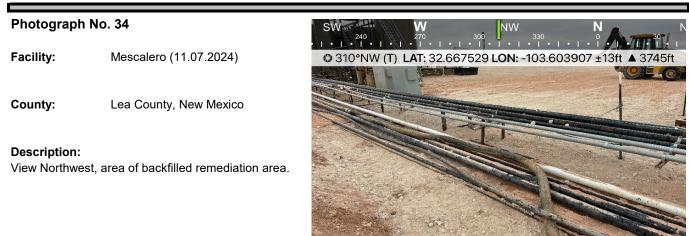
Description:

View East, area of backfilled remediation area.



PHOTOGRAPHIC LOG

Delek Logistics Company



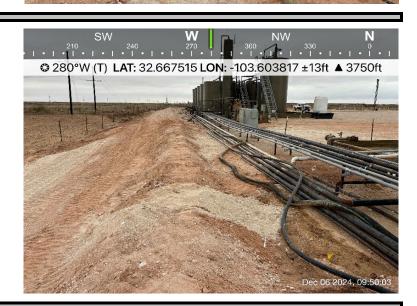
Photograph No. 35

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View West, area of backfilled remediation area.



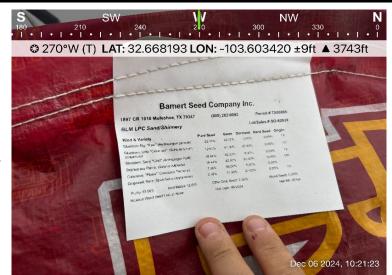
Photograph No. 36

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

BLM LPC Seed mix used for reseeding of the pasture.





PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph NJ J Facility: Mescalero (11.07.2024) County: Lea County, New Mexico Description: View Southwest - stackfilled and in the process of being reseed.

Photograph No. 38

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View East, area of backfilled and in the process of being reseeded.



Photograph No. 39

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View Northeast, area of backfilled and in the process of being reseeded.



Dec 06 2024, 10:29:38

SW

06 2024, 10:0

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 40 Facility: Mescalero (11.07.2024) © 144°SE (T) LAT: 32.667458 LON: -103.604028 ±13ft ▲ 3743ft County: Lea County, New Mexico **Description:** View Southeast, area of backfilled and in the process of being reseeded.



Photograph No. 41

Facility: Mescalero (11.07.2024)

County: Lea County, New Mexico

Description:

View North, area of backfilled and in the process of being reseeded.

APPENDIX C



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

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

District III

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

District IV

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

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

Page 35eof 251 QUESTIONS

Action 400647

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC	OGRID: 330291				
12700 Park Central Dr., Ste. 7	Action Number:				
Dallas, TX 75251	400647 Action Type:				
	[NOTIFY] Notification Of Release (NOR)				
QUESTIONS					
Location of Release Source					
Please answer all the questions in this group.					
Site Name	Mescalero				
Date Release Discovered	11/07/2024				
Surface Owner	Federal				
Incident Details					
Please answer all the questions in this group.					
Incident Type	Oil 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 fo	r the volumes provided should be attached to the follow up C 111 submission				
Crude Oil Released (bbls) Details	Cause: Normal Operations Valve Crude Oil Released: 23 BBL Recovered: 21 BBL Lost: 2 BBL.				
Produced Water Released (bbls) Details	Not answered.				
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.				
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.				

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

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

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

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

QUESTIONS (continued)

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
12700 Park Central Dr., Ste. 7	Action Number:
Dallas, TX 75251	400647
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No				
Reasons why this would be considered a submission for a notification of a major release	Unavailable.				
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 o actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach a narrative o and attach attach and attach a						

Action 400647

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

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

District III

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

District IV

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

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

ACKNOWLEDGMENTS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
12700 Park Central Dr., Ste. 7	Action Number:
Dallas, TX 75251	400647
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

Action 400647

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

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District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
12700 Park Central Dr., Ste. 7	Action Number:
Dallas, TX 75251	400647
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/8/2024

Action 400647

Received by OCD: 1/13/2025 12:54:42 PM Site wap

Mescalero (11.07.2024) NAPP2431326911 32.668111,-103.604005

20 bbl recovered from the containment area 3 bbl recovered from the overspray area outside of the containment





ge © 2024





🥖 Overspray Area Secondary Containment

• ILTE

Square/Rectangle Contained Spill with Vessel Displacement

Mescalero	(11.07.2024)		
L(Ft)	W(Ft)	D(ln)	Oil %
50	35	0.77	100
Tank Size (Ft)		Tank	Count
())





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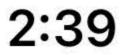
H20 Spill Before Disp:	0.00
Tank Displacement Vol:	0.00
Oil Spill Total:	20.00
H20 Spill Total:	0.00
Total Bbls Spilled:	20.00
Total Gals Spilled:	839.94

Screenshot for future reference!





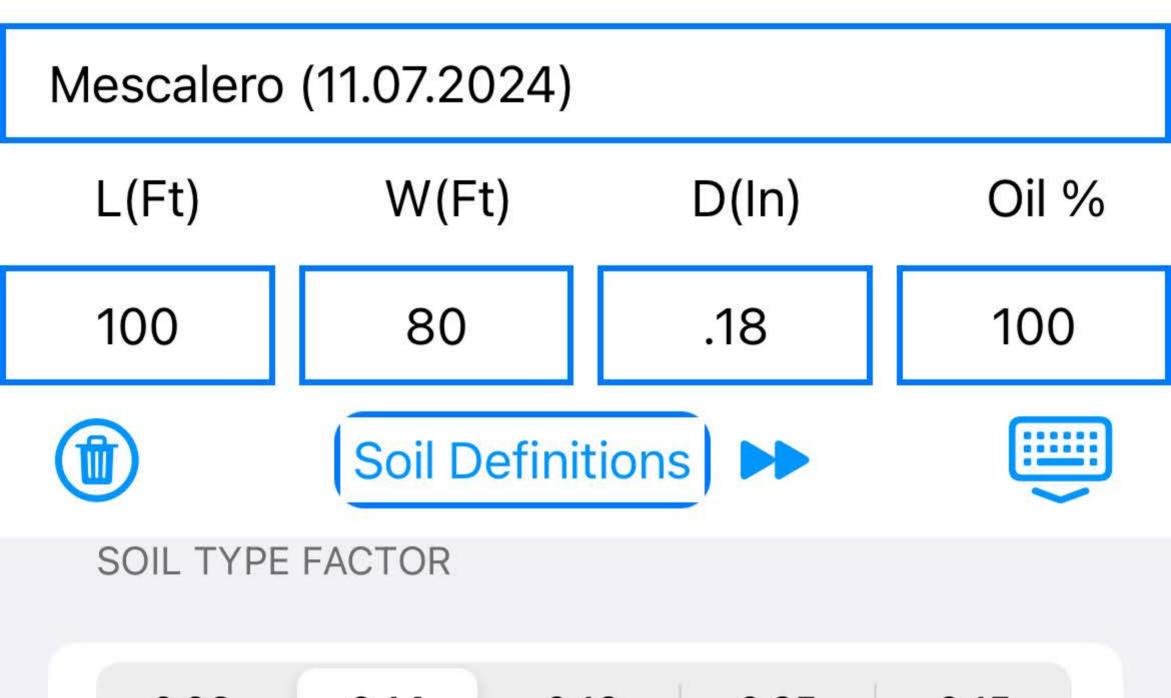
Received by OCD: 1/13/2025 12:54:42 PM







Saturated Soil Calculation



•

0.08	0.14	0.16	0.25	0.15
H20 Spill	Total:	0.00 B	ols	
Oil Spill T	otal:	2.99 B	bls	
Total Spil	led:	2.99 B	bls	
Total Spil	led:	125.66	Gals	

Screenshot for future reference!





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:	OGRID:	
DKL Energy - Cottonwood, LLC	330291	
12700 Park Central Dr., Ste. 7	Action Number:	
Dallas, TX 75251	403457	
	Action Type:	
	[NOTIFY] Notification Of Sampling (C-141N)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2431326911
Incident Name	NAPP2431326911 MESCALERO @ 0
Incident Type	Oil Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	Mescalero
Date Release Discovered	11/07/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,800
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/18/2024
Time sampling will commence	03:00 PM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	32.668111,-103.604005 - GPS coordinates. Remediation on southside of well pad. Will begin sampling Monday (11.18.2024) through Friday (11.22.2024)

QUESTIONS

Action 403457

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

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
12700 Park Central Dr., Ste. 7	Action Number:
Dallas, TX 75251	403457
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By	Condition	Condition Date
cassiewhitefield	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/14/2024

CONDITIONS

CONDITIONS

Action 403457

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

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QUESTIONS

Action 403537

QUESTIONS	
Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
12700 Park Central Dr., Ste. 7	Action Number:
Dallas, TX 75251	403537
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2431326911
Incident Name	NAPP2431326911 MESCALERO @ 0
Incident Type	Oil Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	Mescalero
Date Release Discovered	11/07/2024
Surface Owner	Federal

Liner Inspection Event Information

Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	1,700
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	11/19/2024
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to liner inspection site	32.668111,-103.604005 Containment will be power washed and all fluids will be removed by 11.19.2024.

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:	OGRID:					
DKL Energy - Cottonwood, LLC	330291					
12700 Park Central Dr., Ste. 7	Action Number:					
Dallas, TX 75251	403537					
	Action Type:					
	[NOTIFY] Notification Of Liner Inspection (C-141L)					
	Action Type:					

CONDITIONS		
Created By	Condition	Condition Date
cassiewhitefield	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	11/14/2024

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CONDITIONS

Action 403537

Received by OCD: 1/13/2025 12:54:42 PM Assessment Map

Delek Logistics Mescalero (11.07.2024) nAPP2431326911 32.668111,-103.604005

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S-6

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Released to Imaging: 1/31/2025 3:41:55 PM Intege © 2024 Alrique

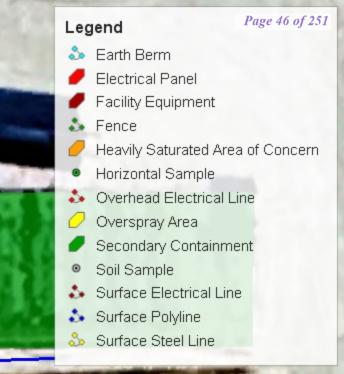


Table 1 Delek Logistics Mescalero (11.07.2024) Lea County, New Mexico

						unty, New Me						
Sample ID	Date	Depth (ft)			(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
oumpie ib	Butto	Boptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	11/13/2024	0-1'	108	1,110	183	1,401	<0.050	0.406	1.97	3.72	6.09	544
	"	1.5'	63.0	674	112	849	<0.050	0.126	0.269	0.485	0.880	944
	"	2.0'	11.1	273	47.5	332	<0.050	0.101	0.32400	0.669	1.09	64.0
		3.0'	104	1,090	191	1,385	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-1		4.0'	64.8	701	114	880	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
5-1	"	5.0'	11.6	270	42.3	324	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	6.0'	<10.0	14.9	<10.0	14.9	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	7.0'	<10.0	11.6	<10.0	11.6	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	8.0'	<10.0	19.5	<10.0	19.5	< 0.050	< 0.050	0.097	0.246	0.343	48.0
	"	9.0'	<10.0	22.6	<10.0	22.6	< 0.050	<0.050	<0.050	<0.150	< 0.300	32.0
	11/13/2024	0-1'	6,700	12,500	1,980	21,180	51.4	348	215	311	925	32.0
	"	1.5'	22.6	40.2	<10.0	62.8	1.21	3.83	2.15	3.01	10.2	16.0
	"	2.0'	27.9	34.1	<10.0	62.0	2.01	9.994	6.04	8.65	26.6	32.0
	"	3.0'	25.2	41.1	<10.0	66.3	4.55	25.1	15.5	22.3	67.4	48.0
S-2		4.0'	<10.0	59.6	<10.0	59.6	< 0.050	0.337	0.376	0.640	1.35	16.0
	"	5.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	0.228	0.319	0.549	1.10	16.0
		6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	< 0.050	<0.150	<0.300	32.0
	"	7.0'	22.6	189	22.1	234	< 0.050	0.204	0.218	0.418	0.84	32.0
	"	7.5'R	12.6	174	22.8	209	0.075	0.313	0.219	0.439	1.05	32.0
	11/13/2024	0-1'	7,100	15,000	2,490	24,590	39.0	334	235	350	958	16.0
	"	1.5'	36.6	138	<10.0	175	1.63	6.79	4.75	7.28	20.4	16.0
	"	2.0'	<10.0	15.4	<10.0	15.4	0.278	0.601	0.184	0.245	1.31	32.0
	"	3.0'	27.6	134	<10.0	162	0.174	1.90	2.48	4.38	8.93	32.0
S-3	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	0.230	0.376	0.648	1.25	16.0
		5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	6.0'	11.5	74.0	<10.0	85.5	<0.050	0.730	1.17	2.07	3.97	32.0
		7.0'	<10.0	46.9	<10.0	46.9	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	7.5' R	<10.0	160	18.2	178	<0.050	0.096	0.214	0.545	0.855	480
	11/13/2024	0-1'	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	< 0.050	<0.150	< 0.300	128
		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	48.0
S-4	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
		3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	11/13/2024	0-1'	<10.0	18.7	<10.0	18.7	<0.050	<0.050	< 0.050	<0.150	< 0.300	1,440
	"	1.5'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	3,240
	"	2.0'	<10.0	57.8	<10.0	57.8	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	2,200
S-5		3.0'	<10.0	50.3	<10.0	50.3	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	1,780
		4.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	48.0
		5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	< 0.050	<0.150	< 0.300	16.0
	44/42/2024								1			
8.6	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	64.0
S-6		0.5-1.0'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	64.0
		2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	11/13/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-7	"	0.5-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
5-7	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	<0.300	32.0
	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
(-) Not	Analyzed											

Chloride impact believed to be from NAPP2305947643 Produced Water spill release.

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

Exceeds

Received by OCD: 1/13/2025 12:54:42 PM Proposed Excavation Map

Delek Logistics Mescalero (11.07.2024) nAPP2431326911 32.668111,-103.604005

Area of S-1: 600 sqft × 5.5' = ~130 CY

Area of S-2 & S-3: 600 sqft × 8.0'+ = ~180 CY

Area of S-6 & S-7 (to remove overspray staining): 7,600 sqft \times 0.25' = \sim 70 CY

1.0' Hydrovac Area:

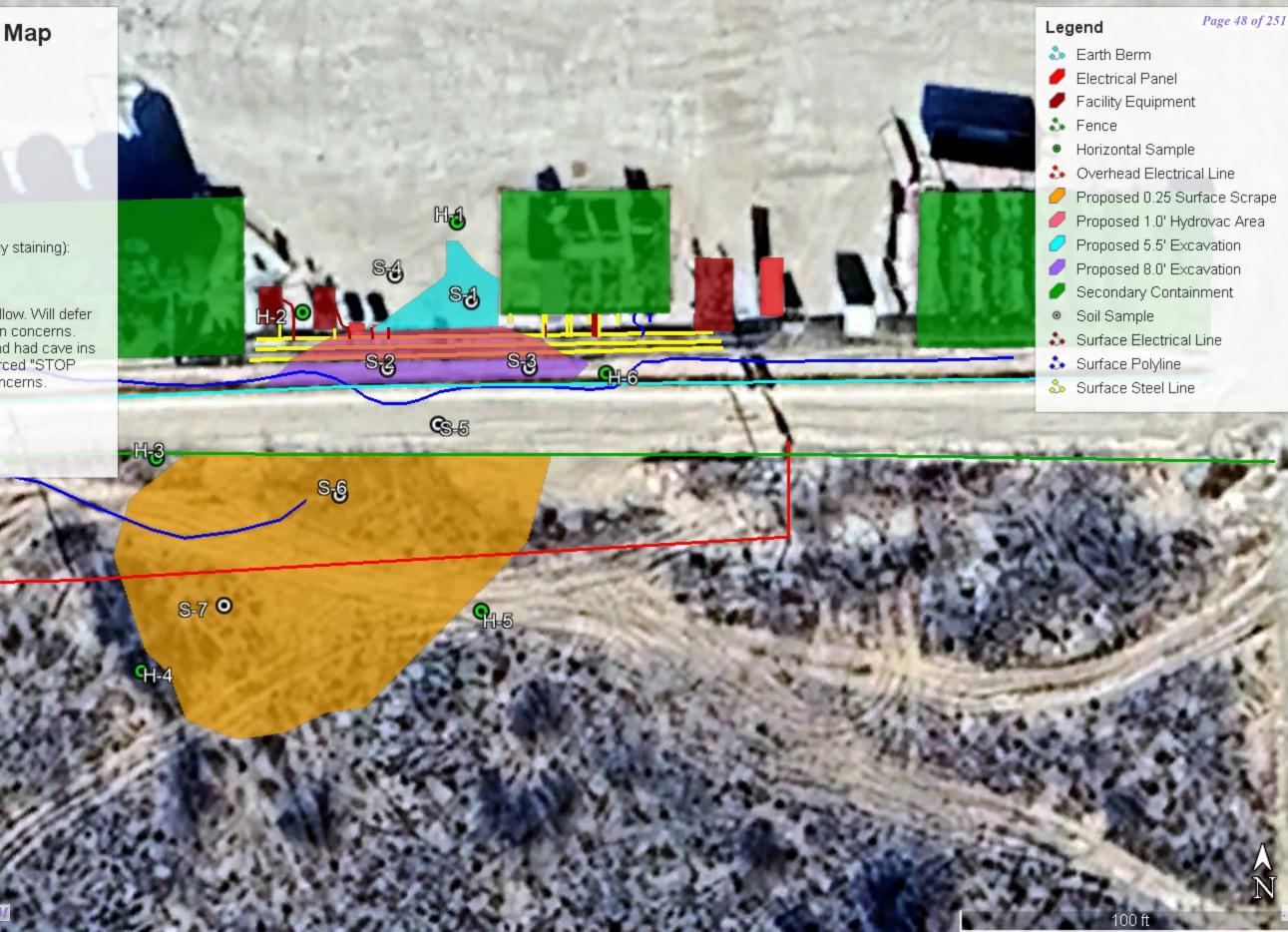
Hydrovac under elevated pipeline in yellow. Will defer due to safety and facility deconstruction concerns. Hydrovac'd to 7' in one area already and had cave ins under the pipe rack supports and enforced "STOP WORK AUTHORITY" due to safety concerns.

Total CY w/15% contingency: 440 CY

CY-Cubic Yards

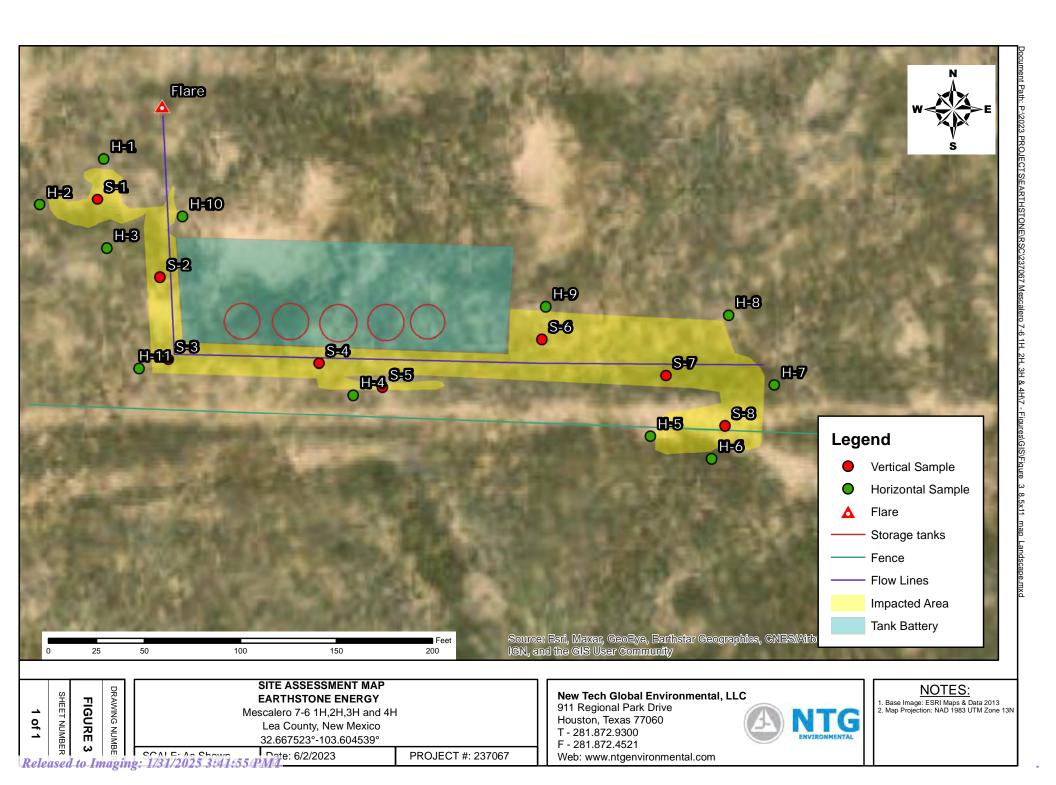
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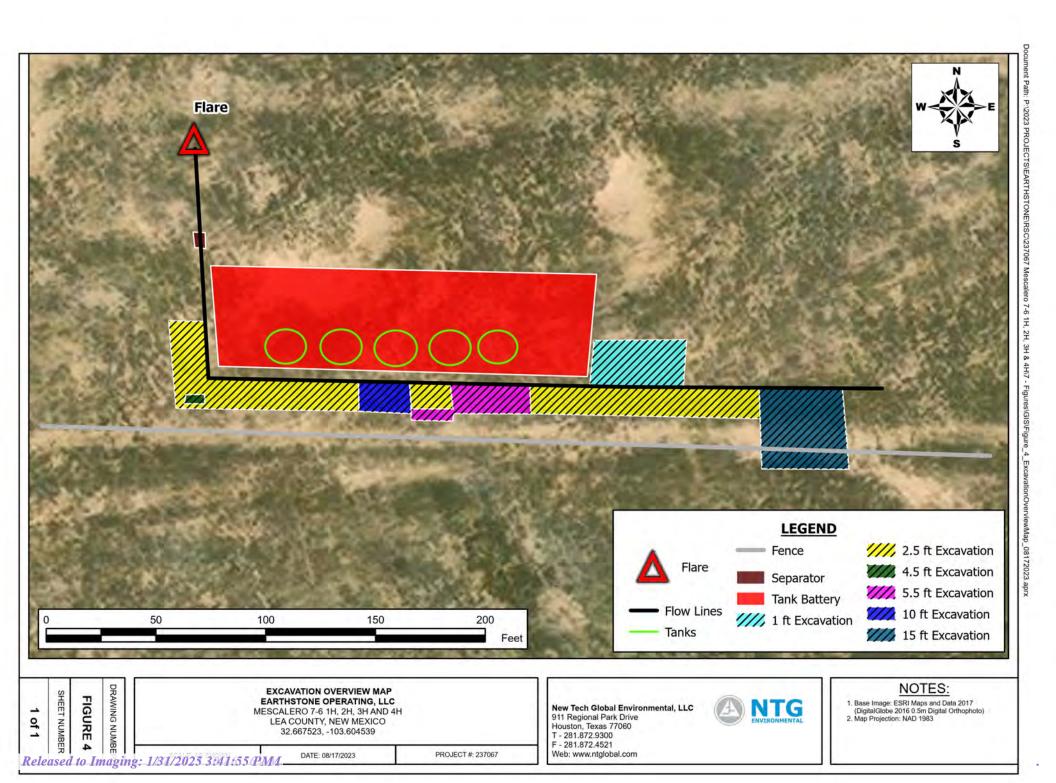
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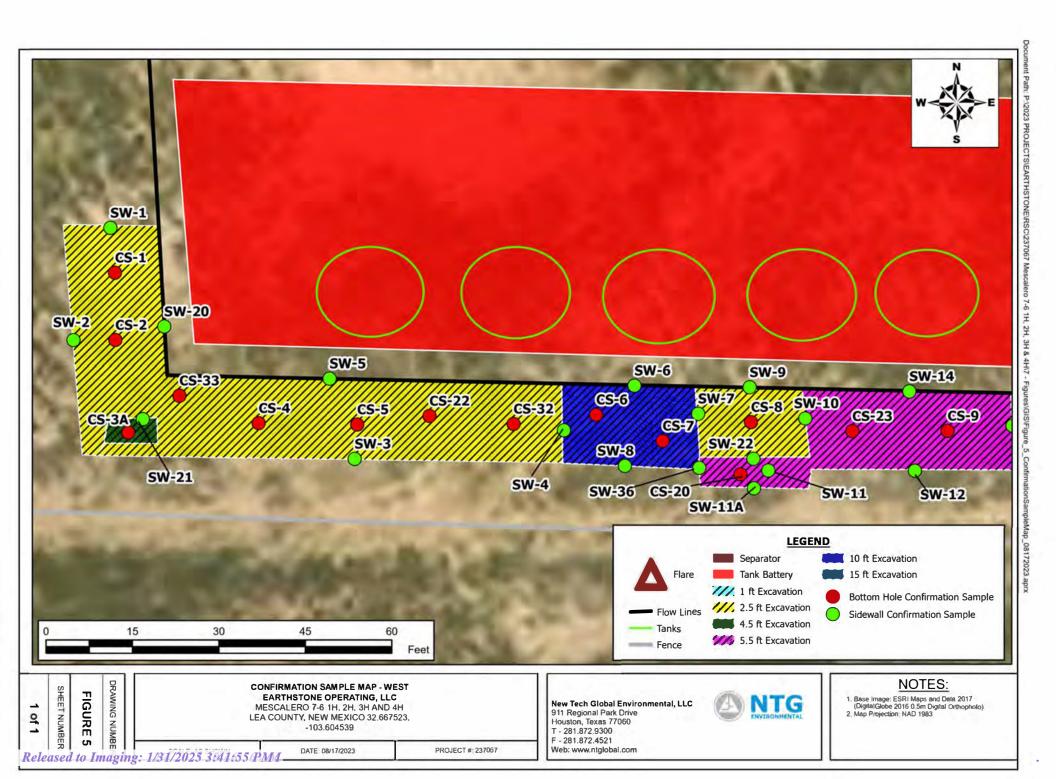


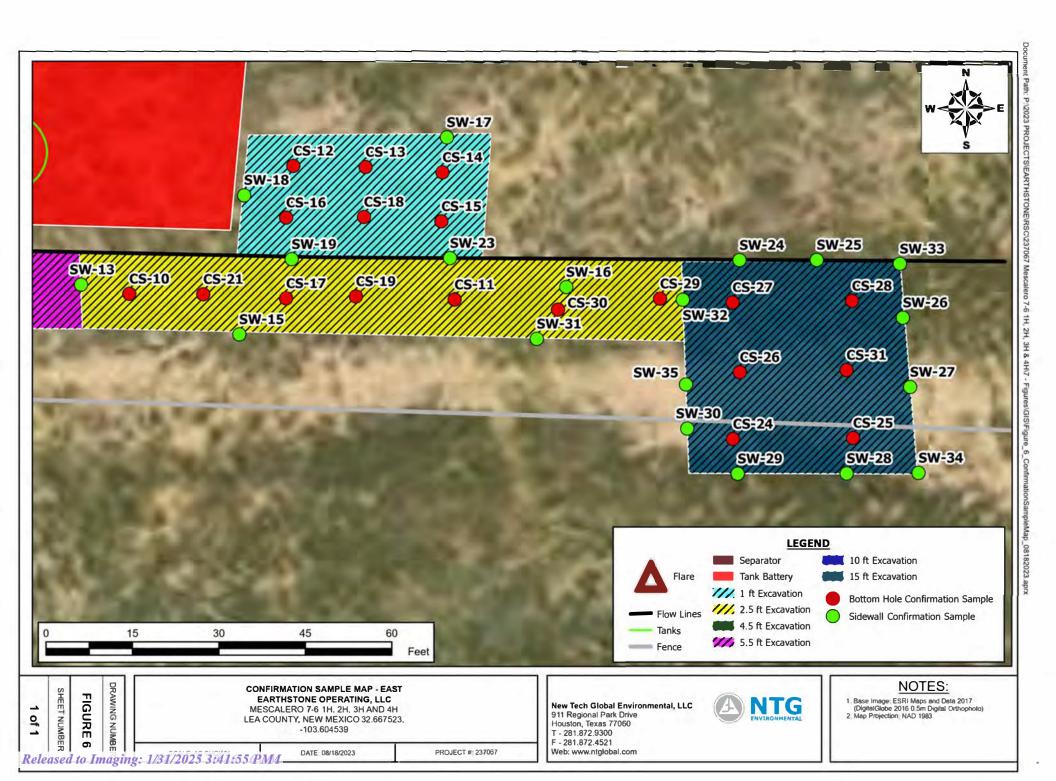
Previous Spill Incident Files Incident ID: NAPP2305947643 Following data pulled from pages 14-22 of report found on NMOCD web portal (12/4/2023)

(https://ocdimage.emnrd.nm.gov/imaging/IncidentFileView.aspx?incident=nA PP2305947643)









TABLES



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Table 1 Summary of Soil Analytical Data - Delineation Samples Mescalero 7-6 1H, 2H, 3H, & 4H Earthstone Operating, LLC Lea, County, New Mexico

			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6	DRO	GRO + DRO	MRO	Total	Chloride
Sample ID	Comula Data	Depth						C10)	(C10-C28)	GRO + DRO	(C28-C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				•	•	Table I Closure	Criteria for Soil	≤ 50 feet Dep	th to Ground	water 19.15.29	NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
						Assessment	Samples						
S-1	4/11/2023	(0-6")	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
S-2	4/11/2023	(0-6")	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
S-3	4/11/2023	(0-6")	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	942	942	188	1130	8400
S-3	4/11/2023	(1-1.5')	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	23.8	23.8	<10.0	23.8	4660
S-3	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
S-4	4/11/2023	(0-6")	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	340	340	75.2	415.2	16600
S-4	4/11/2023	(1-1.5')	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	36.5	36.5	<10.0	36.5	3360
S-4	4/11/2023	(2-2.5')	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	64.6	64.6	<10.0	64.6	5360
S-4	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2440
S-4	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560
S-4	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200
S-4	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1360
S-4	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1200
S-4	4/11/2023	(8-8.5')	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
S-5	4/11/2023	(0-6")	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	122
S-6	4/11/2023	(0-6")	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1400
S-6	4/11/2023	(1-1.5')	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
S-7	4/11/2023	(0-6")	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	85.5	85.5	<10.0	85.5	688
S-7	4/11/2023	(1-1.5')	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	65.5	65.5	<10.0	65.5	3680
S-7	4/11/2023	(2-2.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	96.7	96.7	<10.0	96.7	2080
S-7	4/11/2023	(3-3.5')	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	2400
S-7	4/11/2023	(4-4.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200
S-7	4/11/2023	(5-5.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2400
S-7	4/11/2023	(6-6.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2640
S-7	4/11/2023	(7-7.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560
S-7	4/11/2023	(8-8.5')	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2680
S-7	4/11/2023	(9-9.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6800
S-7	4/11/2023	(10-10.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2520
S-7	4/11/2023	(11-11.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
S-8	4/11/2023	(0-6")	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	209	209	28.1	237.1	3320
S-8	4/11/2023	(1-1.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920
S-8	4/11/2023	(2-2.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2960
S-8	4/11/2023	(3-3.5')	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3400
S-8	4/11/2023	(4-4.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3280
S-8	4/11/2023	(5-5.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3760
S-8	4/11/2023	(6-6.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8080
S-8	4/11/2023	(7-7.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4400
S-8	4/11/2023	(8-8.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3200
S-8	4/11/2023	(9-9.5')	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1250
S-8	4/11/2023	(10-10.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
S-8	4/11/2023	(10-10.5')	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
H-1	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
H-2	4/11/2023	(0-6")	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-3	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
11"J	7/ 11/ 2023	(00)	-0.000	~0.000	~0.050	~0.130	~0.300	~10.0	~10.0	×10.0	×10.0	10.0	200

Table 1 Summary of Soil Analytical Data - Delineation Samples Mescalero 7-6 1H, 2H, 3H, & 4H Earthstone Operating, LLC Lea, County, New Mexico

Sample ID Sample Dat										ТРН				
	Sample Date	e Depth (ft bgs)	•	•	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6- C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO
Sample ID	Sample Date				(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					T	Table I Closure	Criteria for Soil	≤ 50 feet Dep	th to Ground	water 19.15.29	NMAC			
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg	
H-4	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
H-5	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	
H-6	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
H-7	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320	
H-8	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464	
H-9	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
H-10	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
H-11	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
H-12	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
H-13	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
H-14	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	

Notes:

1. Values reported in mg/kg 2.< = Value Less Than Reporting Limit (RL) 3. Bold indicates Analyte Detected

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

4. BTEX analyses by EPA Method SW 8021B -SP-1

Sample Point Excavated

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

Table 2 Summary of Soil Analytical Data - Confirmation Samples Mescalero 7-6 1H, 2H, 3H, & 4H Earthstone Operating, LLC Lea, County, New Mexico

			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	GRO + DRO	MRO	Total	Chloride
Sample ID	Sample Date	Depth						(C6-C-10)	(C10-C28)		(C28-C35)	GRO/DRO/MRO	
Sumple is	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Tal	ble I Closure Cr	iteria for Soil ≤	50 feet Dept	h to Ground	water 19.15.29	NMAC	-	-
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
Confirmation Bottom Hole Samples													
CS-1	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-2	5/10/2023	2.5'	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
CS-3	<u>5/10/2023</u>	2.5	<0.050	< 0.05 0	<0.05 0	≤0.15 0	< 0.300	<u> 10.0</u>	£10.0	~10. 0	~10. 0	<10.0	656
CS-3A	6/2/2023	4.5'	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-4	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-5	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-6	5/10/2023	10'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-7	5/10/2023	10'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-8	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-9	5/10/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-10	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-11	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-12	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-13	5/10/2023	1'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-14	5/10/2023	1'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-15	5/10/2023	1'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-16	5/10/2023	1'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-17	5/10/2023	2.5'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-18	5/10/2023	1'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-19	5/10/2023	2.5'	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-20	6/2/2023	5.5'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-21	6/2/2023	2.5'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	16.2	16.2	<10.0	16.2	64
CS-22	6/2/2023	2.5'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-23	6/2/2023	5.5'	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-24	6/6/2023	15'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-25	6/6/2023	15'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-26	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS-27	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-28	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-29	6/6/2023	2.5	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-30	6/6/2023	2.5	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-31	6/12/2023	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
CS-32	6/12/2023	2.5	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-33	6/12/2023	2.5	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
	•		•		Confi	rmation Sidew	all Samples			•			
SW-1	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-2	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-3	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-4	5/10/2023	2.5'-10'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	11.2	<10.0	<10.0	<10.0	192
SW-5	5/10/2023	0-2.5'	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-6	5/10/2023	0'-10'	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW-7	5/10/2023	2.5'-10'	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW-8	5/10/2023	0'-10'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW-9	5/10/2023	0-2.5'	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Table 2 Summary of Soil Analytical Data - Confirmation Samples Mescalero 7-6 1H, 2H, 3H, & 4H Earthstone Operating, LLC Lea, County, New Mexico

										TPF	l		
		l	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	GRO + DRO	MRO	Total	Chloride
Sample ID	Sample Date	Depth						(C6-C-10)	(C10-C28)		(C28-C35)	GRO/DRO/MRO	
		(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10	Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC									<u> </u>
S14/ 4.0	5/10/2023	2.5'-5.5'	10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg 32.0
SW-10 SW-11	5/10/2023 5/1 0/2 023	2.5-5.5	<0.050 <0.050	<0.050	<0.050 <0.05 0	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0 <10.0	32.0
SW-11A	6/2/2023	0-5.5'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-11A	5/10/2023	0-5.5'	<0.030	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-12	5/10/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-14	5/10/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-15	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-16	5/10/2023	<u> </u>	< 0.050		(0:050	0.150		<u></u>	-10.0	10.0	10.0	10.0	32.0
SW-17	5/10/2023	0-1'	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-18	5/10/2023	0-1'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-19	5/10/2023	1'-2.5'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-20	5/10/2023	0-2.5'	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-21	6/2/2023	2.5'-4.5'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-22	6/2/2023	2.5-5.5'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-23	6/6/2023	1'-2.5'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-24	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256.0
SW-25	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-26	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576.0
SW-27	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-28	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-29	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-30	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-31	6/6/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-32	6/6/2023	2.5'-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-33	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	114.0
SW-34	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-35	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-36	6/12/2023	5.5-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	36.0

Notes:

1. Values reported in mg/kg

2.< = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

Sample Point Excavated

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

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11/14/2024, 11:48:11

Ashton Thielke

Delek - Mescalero 7-6 Federal (11.07.2024) -
)

Message received, Thank you Ashton.

Thanks, Scott

Scott Rodgers • Environmental Specialist – Adv. Environmental Bureau EMNRD - Oil Conservation Division 5200 Oakland NE, Suite B | Albuquerque, NM 87113 505.469.1830 | <u>scott.rodgers@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd_



From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Monday, January 13, 2025 9:21 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com
Subject: [EXTERNAL] FW: NAPP2431326911 - Delek - Mescalero 7-6 Federal (11.07.2024) - NMOCD Meeting Follow up

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

Good morning Scott,

Just wanted to follow up with the email below so I can get a response from you to include in our deferral report.

Thanks!

Ashton Thielke Environmental Manager 310 West Wall Street, Suite 500 Midland TX, 79701 M: 432-813-8988 C: 281-753-5659 ThielkeA@carmonaresources.com Environmental Consulting Firm - Carmona Resources CARMONA RESOURCES

From: Ashton Thielke Sent: Monday, December 16, 2024 12:28 PM To: Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>>

To: Rodgers, Scott, EMNRD <<u>Scott.Rodgers@emnrd.nm.gov</u>> Cc: Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>; Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>; <u>cassie.whitefield@deleklogistics.com</u> Subject: NAPP2431326911 - Delek - Mescalero 7-6 Federal (11.07.2024) - NMOCD Meeting Follow up

Good morning Mr. Bratcher, Mr. Rogers, & Mr. Velez,

I wanted to follow up with yall from our meeting that we had on Friday, November 15, 2024 discussing the above mentioned spill incident.

We discussed the area of S-5 was inconsistent with the spill that occurred related to this spill incident. Following the site assessment that occurred on November 13, 2024, a review of the lab analytical data occurred for which some inconsistences were found. The release documented within this report was a crude oil release from the LACT unit onsite. The contamination expected to be found from a crude oil spill are Hydrocarbons and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). During the site assessment, the area of S-5, which was more than 40 feet away from the point of release, showed elevated concentrations of Chloride contamination, which is not consistent with a crude oil spill from a LACT unit. After our meeting on November 15, 2024, it was determined that the contamination found in the area of S-5 was not consistent with this release and that Delek was not responsible for remediating that area.

We also discussed safety concerns which led to the deferral of the area of S-2 & S-3, which were later delineated by Test Trenches (T-1 & T-2) following our meeting. During the hydrovac operations under the pipe racks, the ground became very unstable under the supports for those pipes and equipment began to shift. Work was immediately halted, and wooden support was installed so that no additional shifting was to occur. During this time, the excavation of the areas of S-2 & S-3 was taking place and the ground experienced cave ins, which also affected the stability of the ground under the pipe racks approximately 8 feet to the north. After further investigation, it was determined that the area the under the pipe rack and the areas of S-2 & S-3 had been previously excavated during a 2023 spill remediation (NAPP2305947643) and was backfilled with soft topsoil material. This soft topsoil material combined with fluid from the hydrovac operation created an unsafe environment in which cave ins occurred throughout the excavation area. The areas directly under the pipe rack was hydro-excavated to a depth of 1.0' before the operation was terminated. Composite confirmation floor and sidewall samples were collected to document the area to be deferred for future reference.

Following this meeting, the site has been excavated to the safest possible extent without causing further cave ins or shifting of production equipment. Composite confirmation samples have been collected and analyzed. The entire site has been backfilled with clean (lab tested) material and the pasture area has been reseeded with BLM LPC seed mix, per BLM request.

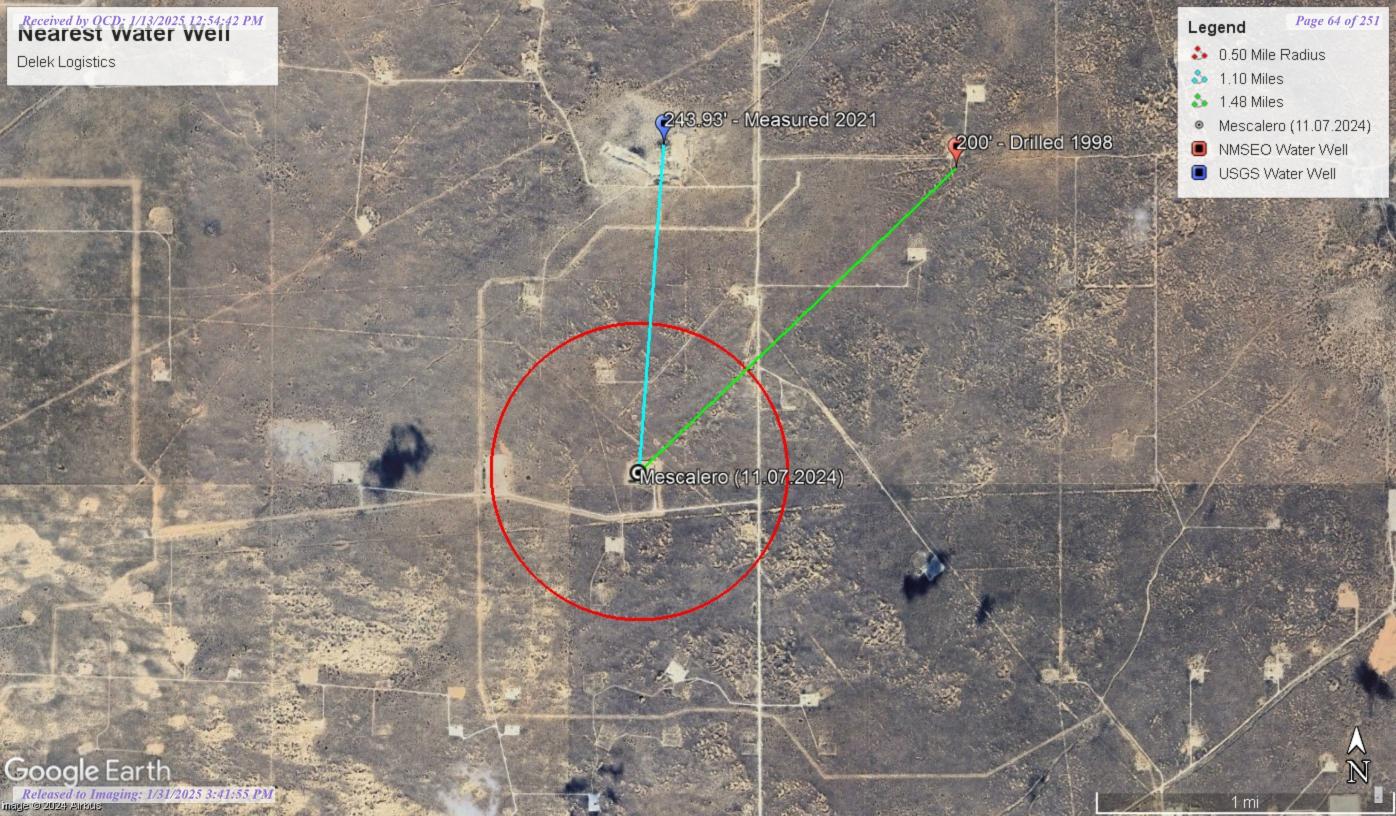
Documents presented in that meeting as well as this email communication can be found in Appendix C of the deferral report.

Let me know if yall have any questions or comments.

Ashton Thielke Environmental Manager 310 West Wall Street, Suite 500

APPENDIX D





Mescalero (11.07.2024)





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)			(quarte smalle	ers are st to lar	gest)							(meters)		(In feet)	
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	x	Y	Мар	Distance	Well Depth	Depth Water	Water Column
<u>CP 00875</u>		СР	LE	SW	SE	SW	05	19S	34E	632592.0	3617013.0 *		2369	200		
												Av	erage D	epth to	Water	r: 0 feet

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 1

UTM Filters (in meters): Easting: 630899.00 Northing: 3615355.00 Radius: 4000

* UTM location was derived from PLSS - see Help

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

USGS Groundwater for New Mexico: Water Levels -- 1 sites

Page 67 of 251

Surrace Vertical datum		GO
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Click to hideNews Bulletins

• Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 324046103360401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324046103360401 19S.34E.06.341434

Lea County, New Mexico Latitude 32°41'02.3", Longitude 103°36'09.30" NAD83 Land-surface elevation 3,776.00 feet above NGVD29 The depth of the well is 500 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer. **Output formats**

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1968-03-18		D	62610		3541.29	NGVD29	1	Z			
1968-03-18		D	62611		3542.90	NAVD88	1	Z			
1968-03-18		D	72019	234.71			1	Z			
1971-01-12		D	62610		3532.84	NGVD29	1	Z			
1971-01-12		D	62611		3534.45	NAVD88	1	Z			
1971-01-12		D	72019	243.16			1	Z			
1976-01-28		D	62610		3543.05	NGVD29	1	Z			
1976-01-28		D	62611		3544.66	NAVD88	1	Z			
1976-01-28		D	72019	232.95			1	Z			
1976-12-15		D	62610		3543.60	NGVD29	1	Z			
1976-12-15		D	62611		3545.21	NAVD88	1	Z			
1976-12-15		D	72019	232.40			1	Z			
1981-01-28		D	62610		3545.49	NGVD29	1	Z			
1981-01-28		D	62611		3547.10	NAVD88	1	Z			
1981-01-28		D	72019	230.51			1	Z			
1986-04-07		D	62610		3545.38	NGVD29	1	Z			
1986-04-07		D	62611		3546.99	NAVD88	1	Z			
1986-04-07		D	72019	230.62			1	Z			
1991-05-29		D	62610		3542.17	NGVD29	1	Z			
1991-05-29		D	62611		3543.78	NAVD88	1	Z			
1991-05-29		D	72019	233.83			1	Z			
1996-01-30		D	62610		3536.94	NGVD29	1	S			
1996-01-30		D	62611		3538.55	NAVD88	1	S			
1996-01-30		D	72019	239.06			1	S			
2001-03-08		D	62610		3531.77	NGVD29	1	S			

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USGS Groundwater for New Mexico: Water Levels -- 1 sites

Page 68 of 251

Date	Time ,	? Wate- date- accur		? Parameter code	Wate level, feet below land surfa	r a s ce v	Vater evel, eet bove pecific rertical latum	Referenced vertical datum	? Status	? Method of measurement	? Meas agen
2001-03-08		D	62611		3533.38	NAVD8	0 1	S			
		D	72019	244.23	3533.38	NAVD8	8 1	S			A
2001-03-08 2006-02-15 17	20 UTC	m	62610	244.23	3531.48	NGVD2		S	USGS	S	A A
2006-02-15 17		m	62611		3533.09	NGVD2 NAVD8		S	USGS	S	A
2006-02-15 17		m	72019	244.52	5555.09	NAVDO	1	S	USGS	S	A
2010-12-15 17			62610	244.52	3546.91	NGVD2		S	USGS	S	
2010-12-15 17 2010-12-15 17		m	62610		3548.52	NGVD2 NAVD8			USGS	S	A
		m		220.00	3548.52	NAVD8	8 1	S			A
2010-12-15 17		m	72019	229.09	2522.40		1	S	USGS	S	A
2016-01-08 16		m	62610		3532.18	NGVD2		V	USGS	S	A
2016-01-08 16		m	62611	242.02	3533.79	NAVD8				S	A
2016-01-08 16		m	72019	243.82			1	V	USGS	S	A
2021-01-05 18		m	62610		3532.07	NGVD2		V	USGS	S	A
2021-01-05 18		m	62611		3533.68	NAVD8		V	USGS	S	A
2021-01-05 18		m	72019	243.93			1	V	USGS	S	А
2022-02-16 20		m	62610			NGVD2		S	USGS	S	A
2022-02-16 20		m	62611			NAVD8		S	USGS	S	А
2022-02-16 20	:48 UTC	m	72019				0	S	USGS	S	A

		Explanation
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	0	Obstructed
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

Questions or Comments Help Data Tips Explanation of terms Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2024-11-16 21:41:07 EST 0.35 0.24 nadww02 USA.gov

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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 hole.

Driller

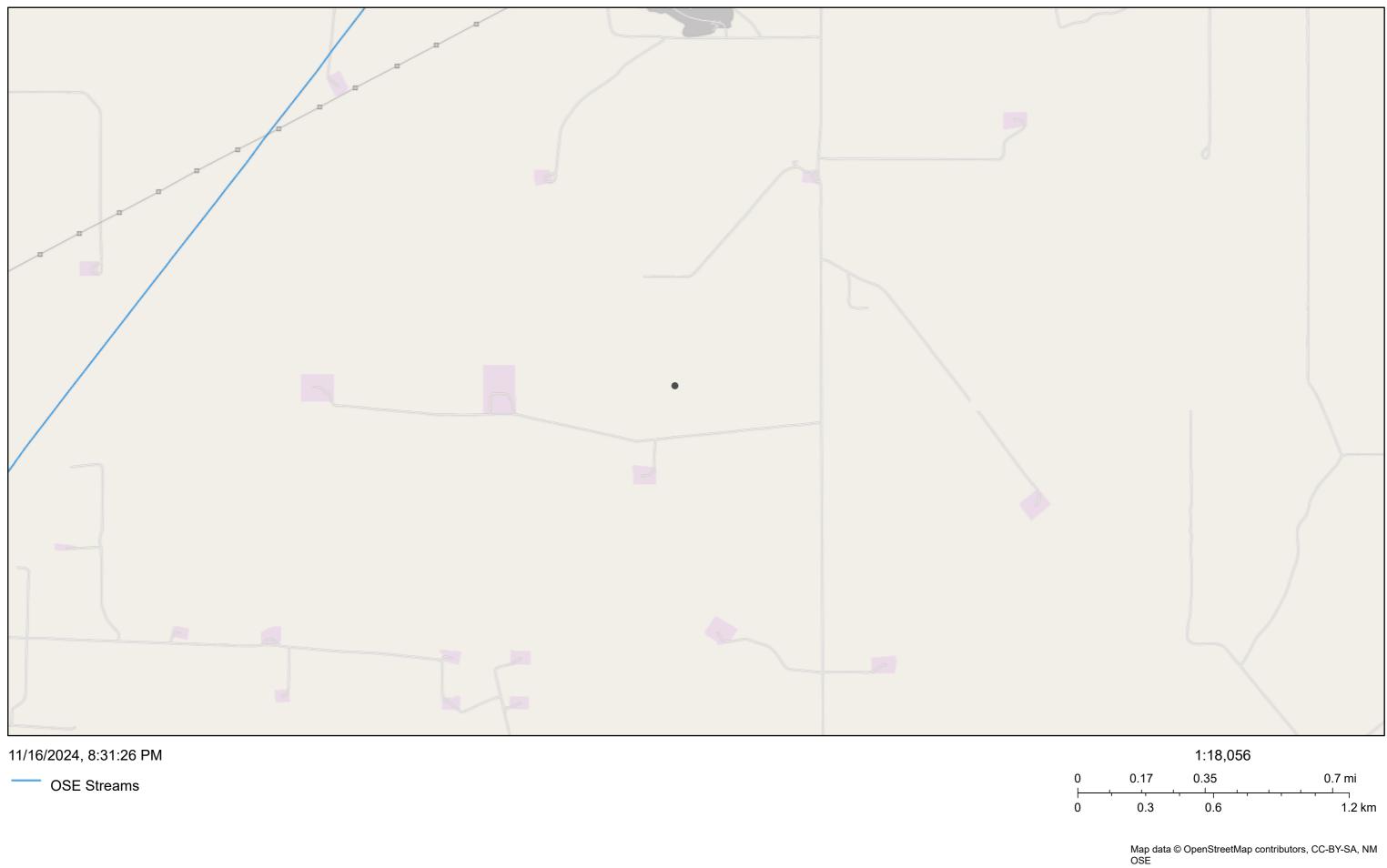
INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office Thate Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is district ordepended. When this form is used as a plugging record; only Section 1(a) and Section 5 need be completed. Released to Imaging: 1/31/2025 3:41:55 PM

Received by OCD: 1/13/2025 12:54:42 PM

Mescalero (11.07.2024)



Mescalero (11.07.2024)



APPENDIX E





November 19, 2024

ASHTON THIELKE CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: MESCALERO (11-07-2024)

Enclosed are the results of analyses for samples received by the laboratory on 11/13/24 12:50.

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. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 1 (0-0.5') (H246916-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.13	107	2.00	5.05	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	5.13	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.00	99.9	2.00	5.06	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	5.93	98.9	6.00	4.91	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 2 (0-0.5') (H246916-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.13	107	2.00	5.05	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	5.13	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.00	99.9	2.00	5.06	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	5.93	98.9	6.00	4.91	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 3 (0-0.5') (H246916-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.14	107	2.00	9.78	
Toluene*	<0.050	0.050	11/15/2024	ND	2.18	109	2.00	11.1	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.07	104	2.00	12.1	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.62	110	6.00	11.5	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 4 (0-0.5') (H246916-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.14	107	2.00	9.78	
Toluene*	<0.050	0.050	11/15/2024	ND	2.18	109	2.00	11.1	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.07	104	2.00	12.1	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.62	110	6.00	11.5	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 5 (0-0.5') (H246916-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.14	107	2.00	9.78	
Toluene*	<0.050	0.050	11/15/2024	ND	2.18	109	2.00	11.1	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.07	104	2.00	12.1	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.62	110	6.00	11.5	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/19/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: H - 6 (0-0.5') (H246916-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.14	107	2.00	9.78	
Toluene*	<0.050	0.050	11/15/2024	ND	2.18	109	2.00	11.1	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.07	104	2.00	12.1	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.62	110	6.00	11.5	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	207	104	200	0.925	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	193	96.3	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Received by OCD: 1/13/2025 12:54:42 PM



November 14, 2024

ASHTON THIELKE CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: MESCALERO (11-07-2024)

Enclosed are the results of analyses for samples received by the laboratory on 11/13/24 12:50.

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/ga/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. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (0-1') (H246917-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/14/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	0.406	0.050	11/14/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	1.97	0.050	11/14/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	3.72	0.150	11/14/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	6.09	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	544	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	108	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	1110	10.0	11/13/2024	ND	213	106	200	2.66	QM-07
EXT DRO >C28-C36	183	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	112 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	6 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (1.5') (H246917-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	0.126	0.050	11/13/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	0.269	0.050	11/13/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	0.485	0.150	11/13/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	0.880	0.300	11/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	63.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	674	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	112	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (2.0') (H246917-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	0.101	0.050	11/13/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	0.324	0.050	11/13/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	0.669	0.150	11/13/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	1.09	0.300	11/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.1	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	273	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	47.5	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (3.0') (H246917-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	<0.050	0.050	11/13/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/13/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	<0.150	0.150	11/13/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	<0.300	0.300	11/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	104	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	1090	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	191	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (4.0') (H246917-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	<0.050	0.050	11/13/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/13/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	<0.150	0.150	11/13/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	<0.300	0.300	11/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.8	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	701	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	114	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (5.0') (H246917-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2024	ND	1.79	89.6	2.00	11.8	
Toluene*	<0.050	0.050	11/13/2024	ND	1.83	91.7	2.00	12.5	
Ethylbenzene*	<0.050	0.050	11/13/2024	ND	1.84	92.0	2.00	12.4	
Total Xylenes*	<0.150	0.150	11/13/2024	ND	5.46	90.9	6.00	12.4	
Total BTEX	<0.300	0.300	11/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.6	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	270	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	42.3	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (6.0') (H246917-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	14.9	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (7.0') (H246917-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	11.6	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (8.0') (H246917-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.097	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.246	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	0.343	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	19.5	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 1 (9.0')R (H246917-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	22.6	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (0-1') (H246917-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	51.4	2.00	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	348	2.00	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	215	2.00	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	311	6.00	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	925	12.0	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6700	50.0	11/14/2024	ND	209	105	200	0.516	
DRO >C10-C28*	12500	50.0	11/14/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	1980	50.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	181	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	227	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (1.5') (H246917-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.21	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	3.83	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	2.15	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	3.01	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	10.2	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.6	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	40.2	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (2.0') (H246917-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.01	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	9.94	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	6.04	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	8.65	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	26.6	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.9	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	34.1	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (3.0') (H246917-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.55	0.200	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	25.1	0.200	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	15.5	0.200	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	22.3	0.600	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	67.4	1.20	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.2	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	41.1	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (4.0') (H246917-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.337	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.376	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.640	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	1.35	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	59.6	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (5.0') (H246917-16)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.228	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.319	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.549	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	1.10	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (6.0') (H246917-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (7.0') (H246917-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.204	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.218	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.418	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	0.840	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.6	10.0	11/13/2024	ND	209	105	200	0.516	
DRO >C10-C28*	189	10.0	11/13/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	22.1	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 2 (7.5')R (H246917-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.075	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.313	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.219	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.439	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	1.05	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.6	10.0	11/14/2024	ND	209	105	200	0.516	
DRO >C10-C28*	174	10.0	11/14/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	22.8	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (0-1') (H246917-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	39.0	2.00	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	334	2.00	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	235	2.00	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	350	6.00	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	958	12.0	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7100	50.0	11/14/2024	ND	209	105	200	0.516	
DRO >C10-C28*	15000	50.0	11/14/2024	ND	213	106	200	2.66	
EXT DRO >C28-C36	2490	50.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	231	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	275	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (1.5') (H246917-21)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.63	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	6.79	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	4.75	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	7.28	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	20.4	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.6	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	138	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (2.0') (H246917-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.278	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.601	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.184	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.245	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	1.31	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	15.4	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (3.0') (H246917-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.174	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	1.90	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	2.48	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	4.38	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	8.93	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	134	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.6	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	134	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (4.0') (H246917-24)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.230	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	0.376	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	0.648	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	1.25	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (5.0') (H246917-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	<0.050	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (6.0') (H246917-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.19	110	2.00	3.20	
Toluene*	0.730	0.050	11/14/2024	ND	2.08	104	2.00	3.63	
Ethylbenzene*	1.17	0.050	11/14/2024	ND	2.06	103	2.00	4.54	
Total Xylenes*	2.07	0.150	11/14/2024	ND	6.10	102	6.00	4.18	
Total BTEX	3.97	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.5	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	74.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (7.0') (H246917-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	46.9	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 3 (7.5')R (H246917-28)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	0.096	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	0.214	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	0.545	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	0.855	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	160	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	18.2	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 4 (0-1') (H246917-29)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	102	48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 4 (1.5') (H246917-30)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 4 (2.0') (H246917-31)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 4 (3.0') (H246917-32)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (0-1') (H246917-33)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	18.7	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (1.5') (H246917-34)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (2.0') (H246917-35)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	57.8	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (3.0') (H246917-36)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	50.3	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (4.0') (H246917-37)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 5 (5.0') (H246917-38)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 6 (0-0.5') (H246917-39)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 6 (0.5-1.0') (H246917-40)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	223	112	200	3.20	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	216	108	200	0.932	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 6 (2.0') (H246917-41)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	197	98.7	200	2.01	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	192	95.9	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	103	48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 7 (0-0.5') (H246917-42)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	197	98.7	200	2.01	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	192	95.9	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 7 (0.5'-1.0') (H246917-43)

BTEX 8021B	mg/	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: S - 7 (2.0') (H246917-44)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.30	115	2.00	0.248	
Toluene*	<0.050	0.050	11/14/2024	ND	2.36	118	2.00	0.687	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.27	114	2.00	0.923	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	7.15	119	6.00	0.438	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

the second se	Relinquished by: (Signature)		N(D'6) 1-C	S-1 (8.0')	S-1 (7.0')	S-1 (6.0')	S-1 (5.0')	S-1 (4.0')	S-1 (3.0')	S-1 (2.0')	S-1 (1.5')	S-1 (0-1')	Sample Identification	i uai cui laii leis.	Seals:		Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name: M	Phone: 432-813-8988	ate ZIP:		INDITIE.		Project Manager: Ashton
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	Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na-S-O-: NaSO-	NARIS	II2 NAUH: NA		-		FIVAL					RRC uperfund	ents	ge1of5

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November 26, 2024

ASHTON THIELKE CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: MESCALERO (11-07-2024)

Enclosed are the results of analyses for samples received by the laboratory on 11/20/24 9:00.

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/ga/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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (1.0') (H247073-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	0.102	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.221	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	0.451	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	0.774	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	108	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	18.6	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (2.0') (H247073-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	0.569	0.050	11/21/2024	ND	2.00	100	2.00	3.30	
Toluene*	1.31	0.050	11/21/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.744	0.050	11/21/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	1.13	0.150	11/21/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	3.75	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.9	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	35.6	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (3.0') (H247073-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.222	0.050	11/21/2024	ND	2.00	100	2.00	3.30	
Toluene*	0.530	0.050	11/21/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.330	0.050	11/21/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	0.625	0.150	11/21/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	1.71	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (4.0') (H247073-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	15.4	2.00	11/21/2024	ND	2.00	100	2.00	3.30	
Toluene*	104	2.00	11/21/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	74.8	2.00	11/21/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	113	6.00	11/21/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	306	12.0	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	898	50.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	1930	50.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	359	50.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	152	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (5.0') (H247073-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	0.135	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.102	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	0.356	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	28.8	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (6.0') (H247073-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	0.328	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.347	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	0.572	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	1.25	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	45.4	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (7.0') (H247073-07)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (8.0') (H247073-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/21/2024	ND	400	100	400	11.3	
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	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	39.8	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (9.0') (H247073-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	0.065	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	0.143	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	0.307	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	0.515	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	ND	400	100	400	11.3	
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	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	26.4	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 1 (10.0') (H247073-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/21/2024	ND	400	100	400	11.3	
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	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (1.0') (H247073-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	400	100	400	11.3	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (2.0') (H247073-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (3.0') (H247073-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (4.0') (H247073-14)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (5.0') (H247073-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	92.3	48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (6.0') (H247073-16)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (7.0') (H247073-17)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	11/22/2024	ND	448	112	400	3.51	
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	11/21/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (8.0') (H247073-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.091	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	1.29	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	1.33	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	2.09	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	4.80	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/22/2024	ND	448	112	400	3.51	
TPH 8015M	M mg/kg Analyzed By: MS			d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (9.0') (H247073-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	11/20/2024	ND	1.91	95.7	2.00	2.96	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.92	95.8	2.00	3.02	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.69	94.8	6.00	2.91	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	11/22/2024	ND	448	112	400	3.51	
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	11/21/2024	ND	211	105	200	0.941	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	207	103	200	1.04	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.0	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: T - 2 (10.0') (H247073-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.03	101	2.00	4.53	
Toluene*	<0.050	0.050	11/25/2024	ND	1.92	96.1	2.00	2.85	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.03	101	2.00	5.00	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.17	103	6.00	5.46	
Total BTEX	<0.300	0.300	11/25/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/25/2024	ND	432	108	400	7.14	
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	11/25/2024	ND	220	110	200	1.70	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	203	101	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

2													Page	Page	1 of 2
Project Manager:	Ashton Thielke	lke			Bill to: (if different)		Carmo	Carmona Resources	rces				Wark Or	- Commont	
Company Name:	Carmona Resources	esources			Company Name	, M							WORK UN	Work Urger Comments	
Address:	310 West Wall Ste.	/all Ste. 500			Address:							State of Broing	State of Broingt	3rownfields	RRC Superfund
City, State ZIP:	Midland, TX 79701	79701			City. State ZIP-							Benoting I gud I			
Phone:	432-813-8988	88		Email:	Email: thielkea@carmonaresources.com	nonareso	ources.cc	ă				Deliverables: E			
Project Name:	Mesc	Mescalero (11.07.2024)	24)	Turn	Turn Around										Other:
Project Number:		2581	0	Routine	Rush	Pres.		_		MINAL		QUEST		Prese	Preservative Codes
Project Location	-	Lea County. NM	2	IP Date:	18 10.00	Code		+	+		+			None: NO	DI Water: H ₂ O
Sampler's Name:		JR		Duo Duio.	TOTIONS			0)						Cool: Cool	MeOH: Me
PO #								MR	-					HCL: HC	HNO3: HN
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ine:	Vac No	ters								H2SO4: H2	NaOH: Na
Received Intact:		Yes No	te l	ID:		ame	021E	+ DI	1					H ₃ PO ₄ : HP	
Cooler Custody Seals:	Ye	R	Correction Factor:	ctor:	-0102	Par								NaHSO4: NABIS	IABIS
Sample Custody Seals:		No	Temperature Reading:	Reading:	j.	_					-			I Na2S203: NaSO3	laSO ₃
Total Containers:		(Corrected Temperature:	nperature:	13:									Zn Acetate+NaOH: Zn	+NaOH: Zn
Sample Identification	ification	Date	Time	Soil	Water Grab/	# of		ТРН						Samp	Sample Comments
T-1 (1.0')	0')	11/19/2024		×	Grab/		×	×	-		+			Camp	
T-1 (2.0')	0')	11/19/2024		×	Grah/	+	+	+		1	+			-	
T-1 (3.0')	0')	11/19/2024		×	Grab/	1	+	+	+	+	+			لوا	
T-1 (4.0')	0')	11/19/2024		×	Grab/	1	+	+	-		+				
T-1 (5.0')	0')	11/19/2024		×	Grab/	_	+	+	-		+			4	
T-1 (6.0')	0')	11/19/2024		×	Grab/	-	+	+	-	+	+			S	
T-1 (7.0'))')	11/19/2024		×	Grab/	-	+	+		1	-			16	
T-1 (8.0')	('(11/19/2024		×	Grab/	-	+	+			+			0-	
T-1 (9.0'))')	11/19/2024		×	Grab/	-	+	+		1	+			X	
T-1 (10.0')	0')	11/19/2024		×	Grab/	_		+	-					50	
		T	Please send	results to	cmoehring@c	armona	resourc	es.com	and mcar	mona@	armona	Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com		~~	
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Received by OCD: 1/13/2025 12:54:42 PM

Chain of Custody

310 West Wall Ste. 500 Company Name: 422-813-8988 Email: Intel&ea@carmonaesources.com Midland, TX 79701 Clip, State 2IP Clip, State 2IP Mescalero (11.07.2024) Turn Around Parameters JR Dile Date: 48 Hours Parameters JR No Themometer ID: Correction Factor: Dile Seals: Yes No Time Parameters Factor (1.07) 11/19/2024 X Grab/ Parameters (4.0) 11/19/2024 X Grab/ 1 X X (6.0) 11/19/2024 X Grab/ 1 X X X (6.0) 11/19/2024 X Grab/ 1 X X X (9.0) 11/19/2024 X Grab/ 1 X X X X (9.0) 11/19/2024 X Grab/ 1 X X X (9.0) 11/19/2024 X Grab/		Ashton Thielke Carmona Resources			Bill to: (if different)		Carmona	Carmona Resources	Cés		Wor	Page Work Order Comments
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Atheme Mescalero (11 07 2024) Turn Around Anuma Anuma <t< th=""><th></th><th>32-813-8988</th><th></th><th>Emai</th><th>I: thielkea@carm</th><th>nonaresou</th><th>Irces.con</th><th>3</th><th></th><th>Deli</th><th>verables: EDD</th><th>Anapter</th></t<>		32-813-8988		Emai	I: thielkea@carm	nonaresou	Irces.con	3		Deli	verables: EDD	Anapter
Mumber 2581 Insulate I	Project Name:	Mescalero (11.0	7.2024)	Tu	rn Around				ANAI VSI		,	
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PLE RECEIPT Tom Blank Vec(No Water Case of the second seco	Sampler's Name:	JR			TUININ	Æ	RO)	(0)				41
Image: light of the control			*			ers) + M	/ + IVI				2
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Ves NA Temperature Reading Temperature Te	Cooler Custody Seals:	R S		ion Factor		Para					1	OLD
Image: Corrected Temperature Image: Soil Water Grab # of ication Date Time Soil Water Grab # of 11/19/2024 X Grab/ 1 X X Image: Soil 11/19/2024 X Grab/ 1 X X Image: Soil Image: Soill Image: Soill <td>Sample Custody Seals:</td> <td>NO</td> <td></td> <td>rature Reading:</td> <td>19/10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> <td>н</td>	Sample Custody Seals:	NO		rature Reading:	19/10						11	н
Date Time Soil Water Grab/ comp # of Cont E I <t< td=""><td>Total Containers:</td><td></td><td></td><td>ed Temperature:</td><td>1.3:</td><td><u> </u></td><td>8015</td><td></td><td></td><td></td><td><i>Л Г</i></td><td>Zn Aceta</td></t<>	Total Containers:			ed Temperature:	1.3:	<u> </u>	8015				<i>Л Г</i>	Zn Aceta
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Received by: (Signature) Date/Time Relinquished by: (Signature)			Please	send results t	o cmoehring@c	armonar	esource	s.com a	and mcarmona@carn	nonaresou	rces.com	
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Received by OCD: 1/13/2025 12:54:42 PM

Chain of Custody



November 21, 2024

ASHTON THIELKE CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: MESCALERO (11-07-2024)

Enclosed are the results of analyses for samples received by the laboratory on 11/20/24 9:00.

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/ga/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. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 1 (0.5') (H247072-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 2 (0.5') (H247072-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	112	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	26.8	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 3 (0.5') (H247072-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	37.8	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 4 (0.5') (H247072-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	23.8	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 5 (0.5') (H247072-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 6 (0.5') (H247072-06)

BTEX 8021B	mg/	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 7 (0.5') (H247072-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 8 (0.5') (H247072-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	0						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 9 (0.5') (H247072-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 10 (0.5') (H247072-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 11 (0.5') (H247072-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	1.73	86.7	2.00	13.1	
Toluene*	<0.050	0.050	11/20/2024	ND	1.79	89.3	2.00	12.7	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	1.78	89.0	2.00	12.7	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	5.28	88.0	6.00	12.7	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 12 (0.5') (H247072-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 13 (0.5') (H247072-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 14 (0.5') (H247072-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 15 (0.5') (H247072-15)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	46.2	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 16 (0.5') (H247072-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	77.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>99.3</i>	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 17 (0.5') (H247072-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 18 (0.5') (H247072-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 19 (0.5') (H247072-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 20 (0.5') (H247072-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2024	ND	230	115	200	0.215	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	217	108	200	0.478	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 21 (0.5') (H247072-21)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	103	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 22 (0.5') (H247072-22)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	37.4	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	103	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 23 (0.5') (H247072-23)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 24 (0.5') (H247072-24)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 25 (0.5') (H247072-25)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 26 (1.0') (H247072-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	98.2	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	13.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 27 (1.0') (H247072-27)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.138	0.100	11/21/2024	ND	2.18	109	2.00	0.312	
Toluene*	10.1	0.100	11/21/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	17.4	0.100	11/21/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	31.0	0.300	11/21/2024	ND	6.78	113	6.00	0.192	
Total BTEX	58.5	0.600	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	197	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	359	50.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	1150	50.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	165	50.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	134	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 28 (1.0') (H247072-28)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.28	1.00	11/21/2024	ND	2.18	109	2.00	0.312	
Toluene*	26.9	1.00	11/21/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	33.0	1.00	11/21/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	46.5	3.00	11/21/2024	ND	6.78	113	6.00	0.192	
Total BTEX	109	6.00	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	387	50.0	11/21/2024	ND	220	110	200	3.18	
DRO >C10-C28*	1030	50.0	11/21/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	117	50.0	11/21/2024	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 29 (5.5') (H247072-29)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/21/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/21/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/21/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 30 (5.5') (H247072-30)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	106 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: CS - 31 (5.5') (H247072-31)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.18	109	2.00	0.312	
Toluene*	<0.050	0.050	11/20/2024	ND	2.23	111	2.00	0.122	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.13	107	2.00	0.0286	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.78	113	6.00	0.192	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 1 (0.5') (H247072-32)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	16.6	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 2 (0.5') (H247072-33)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 3 (0.5') (H247072-34)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 4 (0.5') (H247072-35)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 5 (1.0') (H247072-36)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	0.154	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	0.786	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	0.940	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.9	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	68.8	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 6 (1.0') (H247072-37)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	31.5	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 7 (5.5') (H247072-38)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 8 (5.5') (H247072-39)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 9 (5.5') (H247072-40)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	220	110	200	3.18	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	215	107	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 10 (5.5') (H247072-41)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	<0.050	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/21/2024	Sampling Type:	Soil
Project Name:	MESCALERO (11-07-2024)	Sampling Condition:	Cool & Intact
Project Number:	2581	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 11 (5.5') (H247072-42)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2024	ND	2.03	101	2.00	2.95	
Toluene*	0.068	0.050	11/20/2024	ND	2.10	105	2.00	1.61	
Ethylbenzene*	<0.050	0.050	11/20/2024	ND	2.29	115	2.00	0.383	
Total Xylenes*	<0.150	0.150	11/20/2024	ND	6.98	116	6.00	0.256	
Total BTEX	<0.300	0.300	11/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/21/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2024	ND	223	111	200	0.920	
DRO >C10-C28*	<10.0	10.0	11/20/2024	ND	221	111	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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	Sehton Thielke			1	Bill to: (if different)	ent)	0	armona	Carmona Resources	es						Work	Work Order Comments	omme	nts		
	Compose Bosouri	000			Company Name	ime:							Prop	gram: U	ST/PST	PRP	Program: UST/PST PRP Brownfields RRC	nfields	RRC	Buperfund	fund
y INGILIC.	310 West Wall Ste	te 500			Address:								Stat	State of Project:	oject:]
City State 7ID: N	Midland TX 79701				City, State ZIP	P							Rep	orting:Le	evel II	Level II	Reporting:Level II Level III PST/UST TRRP	/UST	JTRRP		
	432-813-8988			Email:	Email: thielkea@carmonaresources.com	armonar	resourc	es.com					Deli	Deliverables: EDD	EDD		ADaPT L		Other:		
Non-	Massalar	Mescolero (11 07 2024)	-	Turn	Turn Around		_				AN	ANALYSIS REQUEST	REQUES	T				Pr	eserva	Preservative Codes	les
Project Number:		2581		Routine	Rush	0.7	Pres. Code	_					-			\vdash		None: NO	0	DI Water: H ₂ O	er: H ₂ O
Project Location	Lea C	Lea County, NM	-	Due Date:	24 Hours	S)			_							Cool: Cool	0	MeOH: Me	Me
Sampler's Name:		JR						MRC										HCL: HC	- C	HNO3: HN	
PO #							ers	0+								-		120U4. 112	¹¹ 2	INDUTI. IND	INd
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	0					_		-				D	H ₃ PO ₄ : HP	HP	,	
Received Intact:	Yes		Thermometer ID:	er ID:	inc		Para	X 80	ride							-	HOL	Na.S.O	Narso, Naso,		
Cooler Custody Seals:	Yes	NIA	Correction Factor:	Factor:	-0.0	2			-				-	-		-		Zn Acet	Zn Acetate+NaOH: Zn	OH: Zn	
Sample Custody Seals:	Yes	NO NIA	Corrected T	Corrected Temperature:	121		2	80151						_		-		NaOH+,	Ascorbi	NaOH+Ascorbic Acid: SAPC	NPC
Sample Identification	ification	Date	Time	Soil	Water c	Grab/ #	# of Cont	TPH								-		S	ample	Sample Comments	nts
CS-1 (0.5')		11/19/2024		×	0			×	×									-			
CS-2 (0.5')		11/19/2024		×	C	Comp	-	××					-			-		9			
CS-3 (0.5')		11/19/2024		×	C	Comp	-	××	×		.0			\vdash		-		U			
CS-4 (0.5')		11/19/2024		×	0	Comp	-	××	+				\vdash	\vdash		+	\top	2			
CS-5 (0.5')		11/19/2024		×	0	Comp	-	××	×				-	+		╞		S			
CS-6 (0.5')	l.5')	11/19/2024		×	c	Comp	-	X X					\vdash			┝		6			
CS-7 (0.5')	1.5')	11/19/2024		×	C	Comp	1	××	×		-		┝			\vdash	-	7		*	
CS-8 (0.5')).5')	11/19/2024		х	c	Comp	-	××					-	+		+		2			
CS-9 (0.5')).5')	11/19/2024		×	0	Comp	-	××					\vdash			╞		2			
CS-10 (0.5')	0.5')	11/19/2024		×	0	Comp	-	××	XX				$\left \right $					10			
			Please se	Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com	to cmoehrii	ng@car	monare	esourc	es.com	and n	Icarmo	na@carm	ionares	ources	.com						
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(I A/						_				4											

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	Ashton Thielke				Bill to: (if different)	ferent)	0	Carmona Resources	Resour		Work Order Comments	k Order C	Work Order Comments
Address: 3	310 West Wall Ste. 500	Ste. 500			Address:	Vallie.					State of Project:	ç	
e ZIP:	Midland, TX 79701	701			City, State ZIP:	ZIP:					Reporting:Level II Level III PST/UST TRRP	III PST	
	432-813-8988			Email:	Email: thielkea@carmonaresources.com	carmona	aresourc	xes.com			Deliverables: EDD	ADaPT	T Other:
Name:	Mescale	Mescalero (11.07.2024)	(4)	Turr	Turn Around	/				ANALYSIS REQUEST	UEST		Preservative Codes
Project Number:		2581		Routine	Rush		Pres. Code		\vdash				None: NO DI Water: H ₂ O
Project Location	Lea	0		Due Date:	24 Hours	urs		\ \	,				Cool: Cool MeOH: Me
Sampler's Name:		JR			(1		MRO					
PO#)		ers	0+					H2SU4: H2 NAUH: NA
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	(Yes	No							H ₃ PO ₄ : HP
Received Intact:		No	Thermometer ID:	ter ID:	ino		Para	X 80	ride			IOLD	NaHSO4: NABIS
Cooler Custody Seals:	Yes		Correction Factor.	Factor:	20	1							Zn Acetate+NaOH: Zn
Total Containers:	100	A HAL	Corrected	Corrected Temperature:	1.32			8015					NaOH+Ascorbic Acid: SAPC
Sample Identification	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	трн					Sample Comments
CS-11 (0.5')).5')	11/19/2024		×		Comp	-	×	×				11
CS-12 (0.5')).5')	11/19/2024		×	0	Comp	-	×	XX				12
CS-13 (0.5')).5')	11/19/2024		×	-	Comp	-	X X	×				13
CS-14 (0.5')).5')	11/19/2024		×	0	Comp	1	XX	X				4
CS-15 (0.5')).5')	11/19/2024		×	0	Comp	1	X X	X				5
CS-16 (0.5')).5')	11/19/2024		×		Comp	-	× ×	×				10
CS-17 (0.5')).5')	11/19/2024		×		Comp	1	X X	×				17
CS-18 (0.5')).5')	11/19/2024		×		Comp	-	×	××				18
CS-19 (0.5')).5')	11/19/2024		×	-	Comp	-						19
CS-20 (0.5')).5')	11/19/2024		×		Comp	-	××	×				90
			Please se	Please send results t	to cmoehr	'ing@ca	rmonare	esourc	es.com	to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com	resources.com		
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Project Manager:	Ashton Thielke				Bill to: (if different)	nt)	Carn	Carmona Resources	sources							Work	Order	Work Order Comments	ents		
	Carmona Resources	Irces			Company Name:	le:							Progr	am: US	T/PST	PRP	Brow	Program: UST/PST PRP Brownfields RRC			superfund
	310 West Wall Ste.	Ste. 500			Address:								State	State of Project:	ect:						
te ZIP:	Midland, TX 79701	701			City, State ZIP.	.*							Repo	ting:Le		Level II		T/UST			Reporting:Level III DPST/UST TRRP Level IV
Phone:	432-813-8988			Email:	thielkea@carmonaresources.com	rmonares	ources.	.com					Delive	Deliverables: EDD	EDD		ADaPT		Other:	ä	
Project Name:	Mescale	Mescalero (11.07.2024)	4)	Turr	Turn Around						ANAL	YSIS RI	ANALYSIS REQUEST					P	reserv	Preservative Codes	odes
Project Number:		2581		Routine	Rush	Pres. Code	G ,											None: NO	NO	DIV	DI Water: H ₂ O
Project Location	Lea	Lea County, NM	-	Due Date:	24 Hours)		_							-	Cool: Cool	ool	MeC	MeOH: Me
Sampler's Name:		JR			((IRO)									_	HCL: HC	C	HNC	HNO3: HN
PO #))	rs) + N										H ₂ SO ₄ : H ₂	H ₂	NaC	NaOH: Na
SAMPLE RECEIPT		Temp Blank; 0	Yes No	Wet Ice:	Yes No	nete	1B	DRC	500									H ₃ PO ₄ : HP	HP		
Received Intact:	(Yes	K		ter ID:	0HJ	arar	802	RO +	ide 4		_						OLD	NaHSC	NaHSO4: NABIS	SIS	
Cooler Custody Seals:	Yes	NIA	Correction Factor:	Factor:	-0.0-	P	BTE	1 (G	hlor								н	Na2S2(Na2S2O3: NaSO3	03	
Total Containers:	Tes	AIN ON	Corrected Temperature	Corrected Temperature:	1.30		2018	80151	(NaOH+	Ascorb	NaOH+Ascorbic Acid: SAPC	SAPC
Sample Identification	ntification	Date	Time	Soil	Water Comp	np Cont	₽ "	TPH					_					s	ample	Sample Comments	nents
CS-31 (5.5')	(5.5')	11/19/2024		×	Comp		×	×	×	+		_						2			
SW-1 (0.5')	(0.5')	11/19/2024		×	Comp	np 1	×	×	×	_					_			69	/		
SW-2 (0.5')	(0.5')	11/19/2024		×	Comp	np 1	×	×	×	_								23	~		
SW-3 (0.5')	(0.5')	11/19/2024		Х	Comp	np 1	×	×	×	_					-			Ŵ	+		
SW-4 (0.5')	(0.5')	11/19/2024		х	Comp	np 1	×	×	×							-		25	4		
SW-5 (1.0')	(1.0')	11/19/2024		х	Comp	np 1	×	×	×									30	0		
SW-6 (1.0')	(1.0')	11/19/2024		Х	Comp	np 1	×	X	×	_								ų	2		
SW-7 (5.5')	(5.5')	11/19/2024	4 	×	Comp	np 1	×	×	×									35			
SW-8 (5.5')	(5.5')	11/19/2024		Х	Comp	np 1	×	×	×									B	2		
SW-9 (5.5')	(5.5')	11/19/2024		×	Comp	np 1	×	×	×	\vdash						\vdash	F	4	0		
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Project Manager Ashton Thiele Page od Sol Sol <th>Image: Second Second</th> <th>Image: Send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Image: Send results to cmoehring@carmonaresources.com A A A</th> <th>aresources.com</th> <th>Date</th> <th>hring@ca</th> <th>to cmoel</th> <th>Please send results to a</th> <th>Please :</th> <th></th> <th>r: (Signature)</th> <th>Ralinquished by: (Signature)</th>	Image: Second	Image: Send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Image: Send results to cmoehring@carmonaresources.com A A A	aresources.com	Date	hring@ca	to cmoel	Please send results to a	Please :		r: (Signature)	Ralinquished by: (Signature)
Managar Ashton Thielke Bill for grammenty Camona Resources Mongary Name Sum of Project: Reporting Level III Certain Discources Mongary Name Mongary Name Sum of Project: Reporting Level III Certain Mongary Name Mongary Name None No Sum of Project: Reporting Level III Certain None No Sum of Project: Sum of Project: Reporting Level III Certain None No Number:			×		Comp		×		11/19/2024	(5.5')	SW-11
Manager: Ashton Theike Page 5 my Name: Carmona Resources str 210 West Wall SLe 500 Company Name: Carmona Resources Program: ustrs Devinerable Control Address: State of Program: ustrs Ustrs Program: ustrs Pro	4		×		Comp		×		11/19/2024	(5.5')	SW-10
Ware Ashton Thielke Page _5 marager Ashton Thielke Bill to: transven Carmona Resources Monta Resources Mont Hourse Monta Resources M	Sample Comments		TPF	# of Cont		Water		Time	Date	ntification	Sample Ide
Manager: Ashton Thielke Bill c. (r different) Carmona Resources Manager: Carmona Resources Moland. TX 79701 Company Name: Carmona Resources Moland. TX 79701 Company Name: State of Project: Reporting Level III [DesTrUST] [DRP] Bill c. (r different) Carmona Resources Moland. TX 79701 Classical Company Name: Visit of Project: Reporting Level III [DesTrUST] [DRP] Brownfields] [DRP] Reporting Level III [DesTrUST] [DRP] Deliverables: EDD] Adaers: None III [DesTrUST] Preservati	NaOH+Ascorbic Acid: SAPC		4 80 ⁻		• •	(.2	ed Temperature:	Correct	(Total Containers:
Manager: Ashton Thielke Bill to: (r different) Carmona Resources None torus my Name: Carmona Resources Company Name: Company Name: Work Order Comments s: 310 West Wall Ste. 500 Address: Company Name: Program: UST/PST PRP Brownfields PRC s: 310 West Wall Ste. 500 Address: Company Name: Program: UST/PST PRP Brownfields PRC state of Project: Tarm Around Email thielkea@carmonaresources.com Mall Dest/UST DRRP Drownfields PRC Number: 2581 Indive fields Free Nath Cete Preservatir Number: 2581 Indive fields Endit Preservatir None: NO Location Lea County, NM Due Date: 24 Hours Cete Onoi: Cool None: NO state of Project: JR Vest No Themometer ID: Vest No None: NO None: NO None: NO LE RECEIPT Topo Blank: Vest No Themometer ID: Vest No High Po, H	Zn Acetate+NaOH: Zn			в	-	1-9	ature Reading:	Temper	No		Sample Custody Sea
Warager: Ashton Thielke Site of Project: Site of Projec			-		6:	Ģ	ion Factor:	Correct	No		Cooler Custody Sea
Marager. Ashton Thielke Bill to: (Ir affreen) Carmona Resources Work Order Comments my Name: Carmona Resources Company Name: Carmona Resources Mork Order Comments s.: 310 Wast Wall Site. 500 Address: Company Name: Mork Order Comments tate ZIP: Midland, TX 79701 City, Sate ZIP: Sate of Project: 432-413-8988 Email: Itheikea@carmonaresources.com Deliverables: EDD ADaPT Other: Name: Mescalero (11.07.2024) Turn Around: Fest. Fest. Preservatir Preservatir Number: 2591 Routine Fest. Fest. Fest. Other: NO Location Lea County, NM Due Date: 24 Hours Fest. Fest. <t< td=""><td></td><td></td><td></td><td></td><td></td><td>140</td><td>meter ID:</td><td>Thermo</td><td>es No</td><td>6</td><td>Received Intact:</td></t<>						140	meter ID:	Thermo	es No	6	Received Intact:
Work Order No: Manager. Ashton Thielke Bil to: (r affleren) Carmona Resources Mork Order Comments ny Name: Carmona Resources Company Name: Carmona Resources Mork Order Comments s: 310 West Wall Ste. 500 Address: City. State ZIP: Midland, TX 79701 City. State ZIP: Program: UST/PST PRP Brownfields RRC Name: Mescalero (11.07.2024) Turn Around Fread AnALYSIS REQUEST Only Interables: EDD ADaPT Other: Preservati Number: 2581 Interable Rourine Rush Reporting All	H ₃ PO ₄ ; HP				~	Yes		Yes N	mp Blank:		SAMPLE RECE
Manager: Ashton Thielke my Name: Carmona Resources Manager: Site of Project: Carmona Resources Monager: Site of Project: Carmona Resources col Monager: Monager: Mork Order Comments s: 310 West Wall Ste. 500 Address: Carmona Resources Program: UST/PRP Brownfields RRC RRC s: 310 West Wall Ste. 500 Email: Itilekea@carmonaresources.com Frogram: UST/PRP Brownfields RRC State of Project: Reporting: Level III Level IIII			0 + I	ers							PO#
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Work Order No: Houring Internet Manager: Ashton Thielke Bill to: (# different) Carmona Resources Nork Order Comments my Name: Carmona Resources Company Name: Company Name: Program: UST/PST PRP Brownfields RRC s: 310 West Wall Ste. 500 Address: Address: Program: UST/PST PRP Brownfields RRC tate ZIP: Midland, TX 79701 City, State ZIP: Address: Project: 432-813-8988 Email: thielkea@carmonaresources.com State of Project: Name: Mescalero (11.07.2024) Turn Around AnaLysis REOUEST Preservatir Number: 2581 Provine Preservatir None: NO)		lours	24 H	Due Date:		County,	Lea	Project Location
Manager: Ashton Thielke Bil to: (# different) Carmona Resources Page _ 5 my Name: Carmona Resources Company Name: Carmona Resources Program: UST/PST PRP Brownfields RRC s: 310 West Wall Ste. 500 Address: Company Name: Program: UST/PST PRP Brownfields RRC ate ZIP: Midland, TX 79701 City, State ZIP: City, State ZIP: Program: UST/PST PRP Brownfields RRC 432-813-8988 Email: thielkea@carmonaresources.com NaALYSIS REQUEST Peservati				Pres. Code	-	Rush	Routine		2581		Project Number:
Manager: Ashton Thielke Bill to: (rf different) Carmona Resources Manager: State ZIP: Midland, TX 79701 City, State ZIP: City, State ZI		ANALYSIS REQUES			/	n Around	Tur	24)	lero (11.07.20)	Mesca	Project Name:
anager: Ashton Thielke Name: Carmona Resources Samona Resources Company Name: Samona Resources Company Name: Samona Resources Company Name: Samona Resources Company Name: Samona Resources Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP: Midland, TX 79701 City, State ZIP:	ADaPT L	Deli	;.com	aresources	@carmon;		Emai			432-813-8988	Phone:
Work Order No: Page 5 anager: Ashton Thielke Bill to: (if different) Carmona Resources Work Order Comments Name: Carmona Resources Company Name: Company Name: Program: UST/PST PRP Brownfields RRC 310 West Wall Ste. 500 Address: Address: State of Project:		Rep			te ZIP:	City, Stat			9701	Midland, TX 7	City, State ZIP:
Ashton Thielke Bill to: (rt different) Carmona Resources Carmona Resources Work Order Comments Carmona Resources Company Name: Company Name: Program: UST/PST PRP Brownfields RRC		Sta				Address:			II Ste. 500	310 West Wa	Address:
Ashton Thielke Bill to: (if different) Carmona Resources Work Order Comments Work Order Comments Work Order Comments		Pro			y Name:	Company			ources	Carmona Res	Company Name:
age 5_ of			mona Resourc	Can	different)	Bill to: (if			æ	Ashton Thielk	Project Manager:
OF	5 of										
01											
01											
	Work Order No: HAY7012										

Chain of Custody

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 11/25/2024 3:39:36 PM

JOB DESCRIPTION

Mescalero (11.07.204) Lea County, NM

JOB NUMBER

880-51395-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

See page two for job notes and contact information

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

AMER

Generated 11/25/2024 3:39:36 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Mescalero (11.07.204)

Job ID: 880-51395-1 SDG: Lea County, NM

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

Qualifiers		 3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
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		 8
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	10
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)	13
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)	

Negative / Absent

Positive / Present Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control

Case Narrative

Job Narrative

880-51395-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any

Client: Carmona Resources Project: Mescalero (11.07.204)

specified in the method.

Job ID: 880-51395-1

exceptions, if applicable.

Job ID: 880-51395-1

Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 11/22/2024 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-2 (0.5'-0.75') (880-51395-1).

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 guality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300 ORGFM 28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96354 and analytical batch 880-96358 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated sample is: CS-2 (0.5'-0.75') (880-51395-1).

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

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Client Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.204)

Client Sample ID: CS-2 (0.5'-0.75') Date Collected: 11/21/24 00:00

Date Received: 11/22/24 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/22/24 09:32	11/22/24 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/22/24 09:32	11/22/24 11:37	1
1,4-Difluorobenzene (Surr)	99		70 - 130				11/22/24 09:32	11/22/24 11:37	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/22/24 11:37	1
	el Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.7	Qualifier U	RL 49.7	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.7	Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u> 	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.7	Qualifier U Inics (DRO) Qualifier	RL 49.7		mg/Kg			11/25/24 13:50	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7 sel Range Orga Result	Qualifier U Qualifier Qualifier U	(GC)		mg/Kg Unit		Prepared	11/25/24 13:50	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7 sel Range Orga Result <49.7	Qualifier U Qualifier Qualifier U U	RL 49.7 (GC) RL 49.7		mg/Kg Unit mg/Kg		Prepared 11/23/24 19:25	Analyzed 11/25/24 13:50	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36)	Result <49.7	Qualifier U Qualifier U U U U	RL 49.7 (GC) RL 49.7 49.7		mg/Kg Unit mg/Kg mg/Kg		Prepared 11/23/24 19:25 11/23/24 19:25 11/23/24 19:25	Analyzed 11/25/24 13:50 4.11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50	1 Dil Fac 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.7	Qualifier U Qualifier U U U U	RL		mg/Kg Unit mg/Kg mg/Kg		Prepared 11/23/24 19:25 11/23/24 19:25	Analyzed 11/25/24 13:50 4.1/25/24 13:50 11/25/24 13:50 11/25/24 13:50	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.7	Qualifier U Qualifier U U U U	RL 49.7 (GC) RL 49.7 49.7 49.7 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 11/23/24 19:25 11/23/24 19:25 11/23/24 19:25 Prepared	Analyzed 11/25/24 13:50 Analyzed 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.7	Qualifier U Qualifier U U U Qualifier	RL 49.7 (GC) RL 49.7 49.7 49.7 49.7 20.7 10.7 Limits 70 - 130 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 11/23/24 19:25 11/23/24 19:25 11/23/24 19:25 Prepared 11/23/24 19:25	Analyzed 11/25/24 13:50 Analyzed 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 Analyzed 11/25/24 13:50	1 Dil Fac 1 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Result <49.7	Qualifier U Qualifier U U U Qualifier	RL 49.7 (GC) RL 49.7 49.7 49.7 49.7 20.7 10.7 Limits 70 - 130 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 11/23/24 19:25 11/23/24 19:25 11/23/24 19:25 Prepared 11/23/24 19:25	Analyzed 11/25/24 13:50 Analyzed 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 11/25/24 13:50 Analyzed 11/25/24 13:50	1 Dil Fac 1 1 1 1 Dil Fac

Job ID: 880-51395-1 SDG: Lea County, NM

Lab Sample ID: 880-51395-1

Matrix: Solid

5

Eurofins Midland

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Job ID: 880-51395-1 SDG: Lea County, NM

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix:	Sal	id
waun.	301	iu

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-51395-1	CS-2 (0.5'-0.75')	98	99		
880-51395-1 MS	CS-2 (0.5'-0.75')	102	100		6
880-51395-1 MSD	CS-2 (0.5'-0.75')	104	101		
LCS 880-96361/1-A	Lab Control Sample	106	101		
LCSD 880-96361/2-A	Lab Control Sample Dup	101	103		
MB 880-96361/5-A	Method Blank	96	93		8
Surrogate Legend					
BFB = 4-Bromofluorobe	nzene (Surr)				9

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 (70-130) Lab Sample ID **Client Sample ID** (70-130) 880-51395-1 CS-2 (0.5'-0.75') 106 80 890-7406-A-28-E MS Matrix Spike 87 74 890-7406-A-28-F MSD Matrix Spike Duplicate 87 74 LCS 880-96448/2-A Lab Control Sample 90 82 LCSD 880-96448/3-A Lab Control Sample Dup 90 80 MB 880-96448/1-A 87 72 Method Blank

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.204)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 96348

Analysis Batch: 96348								Prep Batch	n: 96361
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/22/24 09:32	11/22/24 11:15	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/22/24 09:32	11/22/24 11:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/22/24 09:32	11/22/24 11:15	1

Lab Sample ID: LCS 880-96361/1-A Matrix: Solid

Analysis Batch: 96348

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1116		mg/Kg		112	70 - 130
Toluene	0.100	0.1090		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2175		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1228		mg/Kg		123	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-96361/2-A

Matrix: Solid

Analysis Batch: 96348							Prep	Batch:	96361
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1142		mg/Kg		114	70 - 130	2	35
Toluene	0.100	0.1112		mg/Kg		111	70 - 130	2	35
Ethylbenzene	0.100	0.1175		mg/Kg		117	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2253		mg/Kg		113	70 - 130	4	35
o-Xylene	0.100	0.1263		mg/Kg		126	70 - 130	3	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-51395-1 MS

Matrix: Solid

Analysis Batch: 96348									Prep	Batch: 96361
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.1051		mg/Kg		106	70 - 130	
Toluene	<0.00199	U	0.0996	0.1041		mg/Kg		104	70 - 130	

Eurofins Midland

Prep Type: Total/NA

Client Sample ID: CS-2 (0.5'-0.75')

Prep Type: Total/NA

Client Sample ID: Method Blank

11/25/2024

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 96361

Prep Type: Total/NA

I/NA	
5361	

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.204) Job ID: 880-51395-1 SDG: Lea County, NM

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

Lab Sample ID: 880-51395-1	WS						U	nent Sa	mple ID: C		
Matrix: Solid										Type: To	
Analysis Batch: 96348										Batch:	96361
	•	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00199	U	0.0996	0.1084		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2077		mg/Kg		104	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.1156		mg/Kg		116	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 880-51395-1	MSD						c	lient Sa	mple ID: C	S-2 (0.5'	-0.75'
Matrix: Solid										ype: To	
Analysis Batch: 96348										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00199	U	0.100	0.1102		mg/Kg		110	70 - 130	5	35
Toluene	<0.00199	U	0.100	0.1075		mg/Kg		107	70 - 130	3	3
Ethylbenzene	<0.00199	U	0.100	0.1136		mg/Kg		113	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2190		mg/Kg		109	70 - 130	5	3
o-Xylene	<0.00199	U	0.100	0.1216		mg/Kg		121	70 - 130	5	3
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
I-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 _ 130								
lethod: 8015B NM - Dies	N Apped Io	raonioc /F									

Matrix: Solid

o-Terphenyl

C10-C28)

Analysis Batch: 96449								Prep Batch	n: 96448
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		11/23/24 19:25	11/25/24 09:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		11/23/24 19:25	11/25/24 09:50	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/23/24 19:25	11/25/24 09:50	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/23/24 19:25	11/25/24 09:50	1

Lab Sample ID: LCS 880-96448/2-A Matrix: Solid Analysis Batch: 96449	Spike	LCS	LCS		Client	Sample	BID: Lab Control Sample Prep Type: Total/NA Prep Batch: 96448 %Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	992.8		mg/Kg		99	70 - 130
(GRO)-C6-C10 Diesel Range Organics (Over	1000	819.3		mg/Kg		82	70 - 130

70 - 130

72

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Prep Type: Total/NA

11/25/24 09:50

11/23/24 19:25

1

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.204)

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

Lab Sample ID: LCS 880-964 Matrix: Solid	448/2-A						Client	Sample	ID: Lab Co Prep 1	ontrol S Type: To	
Analysis Batch: 96449									Prep	Batch:	96448
	105	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quanner	70 - 130								
o-Terphenyl	82		70 - 130 70 - 130								
	02		10 - 150								
Lab Sample ID: LCSD 880-9	6448/3-A					Clie	nt Sam	nple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Гуре: То	
Analysis Batch: 96449										Batch:	
·····			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1011		mg/Kg		101	70 - 130	2	20
(GRO)-C6-C10						5 5					
Diesel Range Organics (Over			1000	788.9		mg/Kg		79	70 - 130	4	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quanner	70 - 130								
o-Terphenyl	80		70 - 130								
o-reiphenyi	00		70 - 150								
Lab Sample ID: 890-7406-A-	28-E MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Гуре: То	-
Analysis Batch: 96449										Batch:	
·	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.8		1010	923.8		mg/Kg		92	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.8	U	1010	790.5		mg/Kg		77	70 - 130		
C10-C28)											
	MS	MS									
Surrogato			Limits								
Surrogate 1-Chlorooctane	% <i>Recovery</i> 87	Quaimer	70 - 130								
	74		70 - 130 70 - 130								
o-Terphenyl	74		70 - 130								
Lab Sample ID: 890-7406-A-	28-F MSD					CI	ient S	amnle IF): Matrix S	nike Dur	licate
Matrix: Solid	20-1 1100					01				Гуре: То	
Analysis Batch: 96449										Batch:	
Analysis Datch. 30443	Sample	Sample	Spike	MSD	MSD				%Rec	Daten.	RPD
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1010	944.1		mg/Kg			70 - 130	2	20
(GRO)-C6-C10	~+9.0	5	1010	J++.1		mgrivy			70 - 100	2	20
Diesel Range Organics (Over	<49.8	U	1010	784.5		mg/Kg		77	70 - 130	1	20
C10-C28)						5 5					-
0		MSD	1 5 14								
Surrogate	%Recovery	Qualifier	Limits								

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	74		70 - 130

Job ID: 880-51395-1

SDG: Lea County, NM

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.204) Job ID: 880-51395-1 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96354/										CI	iont S	ample ID:	Mothod	Plank
Matrix: Solid	1-74									CI	ient 3		Type: S	
Analysis Batch: 96358												Fleb	Type. 5	oluble
Analysis Batch. 90550		МВ МВ												
Analyte		sult Qualifier		RL		MDL U	Unit		D	Prep	arod	Analy	zod	Dil Fac
Chloride				10.0			mg/Kg			riep	areu	11/22/24		1
Chionde		0.0 0		10.0		1	ing/itg					11/22/24	13.24	I
Lab Sample ID: LCS 880-96354	/ 2-A								Clie	nt Sa	ample	ID: Lab C	ontrol S	ample
Matrix: Solid											- C.		Type: S	
Analysis Batch: 96358														
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qualif	fier	Unit	1	D %	Rec	Limits		
Chloride			250		243.3			mg/Kg			97	90 - 110		
Lab Sample ID: LCSD 880-9635	4/3-A							Cli	ent Sa	ample	e ID: I	_ab Contro	ol Sampl	le Dup
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 96358														
			Spike		LCSD	LCSD						%Rec		RPD
Analyte			Added		Result	Qualif	fier	Unit		D_%	Rec	Limits	RPD	Limit
Chloride			250		250.6			mg/Kg			100	90 - 110	3	20
Lab Sample ID: 880-51388-A-1-	CMS										liont	Sample ID	• Matrix	Snike
Matrix: Solid													Type: S	
Analysis Batch: 96358												iiop	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	orabio
Analysis Batch. 50000	Sample	Sample	Spike		MS	MS						%Rec		
Analyte	•	Qualifier	Added		Result		lier	Unit	ſ	D %	Rec	Limits		
Chloride	203		252		447.7			mg/Kg			97	90 - 110		
								0 0						
Lab Sample ID: 880-51388-A-1-	D MSD								Client	Sam	ple ID	: Matrix S	pike Dup	olicate
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 96358														
	Sample	Sample	Spike		MSD	MSD						%Rec		RPD
Analyte	Result	Qualifier	Added		Result	Qualif	fier	Unit	I	D %	Rec	Limits	RPD	Limit
Chloride	203													

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QC Association Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.204)

Job ID: 880-51395-1 SDG: Lea County, NM

GC VOA

Analysis Batch: 96348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Total/NA	Solid	8021B	96361
MB 880-96361/5-A	Method Blank	Total/NA	Solid	8021B	96361
LCS 880-96361/1-A	Lab Control Sample	Total/NA	Solid	8021B	96361
LCSD 880-96361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96361
880-51395-1 MS	CS-2 (0.5'-0.75')	Total/NA	Solid	8021B	96361
880-51395-1 MSD	CS-2 (0.5'-0.75')	Total/NA	Solid	8021B	96361
Prep Batch: 96361					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Total/NA	Solid	5035	
MB 880-96361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51395-1 MS	CS-2 (0.5'-0.75')	Total/NA	Solid	5035	
880-51395-1 MSD	CS-2 (0.5'-0.75')	Total/NA	Solid	5035	
Analysis Batch: 96530					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Total/NA	Solid	Total BTEX	

Prep Batch: 96448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Total/NA	Solid	8015NM Prep	
MB 880-96448/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96448/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96448/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7406-A-28-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7406-A-28-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Total/NA	Solid	8015B NM	96448
MB 880-96448/1-A	Method Blank	Total/NA	Solid	8015B NM	96448
LCS 880-96448/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96448
LCSD 880-96448/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96448
890-7406-A-28-E MS	Matrix Spike	Total/NA	Solid	8015B NM	96448
890-7406-A-28-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96448
Analysis Batch: 96551					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

880-51395-1

HPLC/IC

Leach Batch: 96354

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method Prep Batch
880-51395-1	CS-2 (0.5'-0.75')	Soluble	Solid	DI Leach
MB 880-96354/1-A	Method Blank	Soluble	Solid	DI Leach
LCS 880-96354/2-A	Lab Control Sample	Soluble	Solid	DI Leach
LCSD 880-96354/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach

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CS-2 (0.5'-0.75')

QC Association Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.204)

HPLC/IC (Continued)

Leach Batch: 96354 (Continued)

Lab Sample	D Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-51388-A	-1-C MS Matrix Spike	Soluble	Solid	DI Leach		
880-51388-A	-1-D MSD Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Ba	itch: 96358					
Lab Sample	D Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-51395-1	CS-2 (0.5'-0.75')	Soluble	Solid	300.0	96354	
MB 880-9635	i4/1-A Method Blank	Soluble	Solid	300.0	96354	-

Soluble

Soluble

Soluble

Soluble

Solid

Solid

Solid

Solid

300.0

300.0

300.0

300.0

LCS 880-96354/2-A	Lab Control Sample
LCSD 880-96354/3-A	Lab Control Sample Dup
880-51388-A-1-C MS	Matrix Spike
880-51388-A-1-D MSD	Matrix Spike Duplicate

Job ID: 880-51395-1 SDG: Lea County, NM

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96354

96354

96354

96354

Client Sample ID: CS-2 (0.5'-0.75') Date Collected: 11/21/24 00:00 Date Received: 11/22/24 09:00

Job ID: 880-51395-1 SDG: Lea County, NM

Lab Sample ID: 880-51395-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96361	11/22/24 09:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96348	11/22/24 11:37	EL	EET MID
Total/NA	Analysis	Total BTEX		1			96530	11/22/24 11:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			96551	11/25/24 13:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96448	11/23/24 19:25	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96449	11/25/24 13:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96354	11/22/24 09:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96358	11/22/24 16:04	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.204) Job ID: 880-51395-1 SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Prograi	n	Identification Number	Expiration Date
exas	NELAP		T104704400	06-30-25
The following enalytee	are included in this report but	the leberatery is not cortif	ind by the approximate of the site. This list	innev include encluter
for which the agency d	oes not offer certification.	,	ied by the governing authority. This list	i may include analytes
for which the agency d Analysis Method		Matrix	Analyte	I may include analytes
for which the agency d	oes not offer certification.	,		

Eurofins Midland

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Method Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.204) Job ID: 880-51395-1 SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

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:

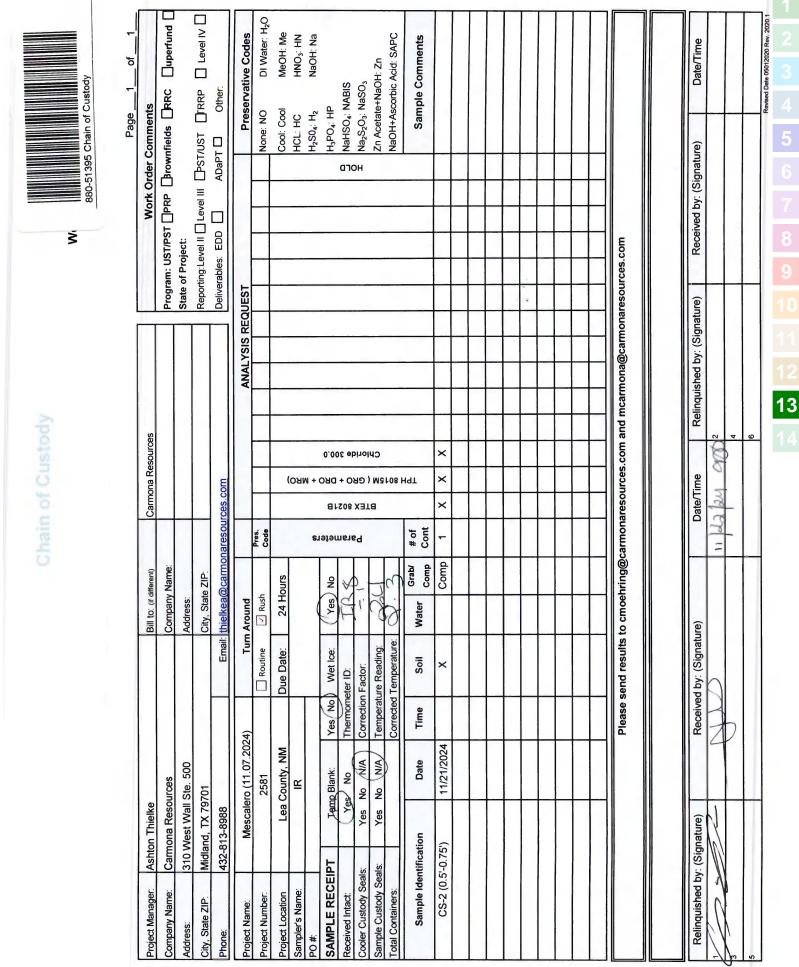
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.204) Job ID: 880-51395-1 SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51395-1	CS-2 (0.5'-0.75')	Solid	11/21/24 00:00	11/22/24 09:00



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11/25/2024

Job Number: 880-51395-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 51395 List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Received by OCD: 1/13/2025 12:54:42 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 12/9/2024 9:58:30 PM

JOB DESCRIPTION

Mescalero (11.07.2024) Lea County NM

JOB NUMBER

880-51911-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

See page two for job notes and contact information



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

AMER

Generated 12/9/2024 9:58:30 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 880-51911-1 SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Carmona Resources	
Project/Site: Mescalero (11.07.2024)	

Job ID: 880-51911-1

SDG: Lea County NM

Qualifiers

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MPN MQL

ML

NC

ND

NEG

POS

PQL

PRES QC

RER

RPD

TEF

TEQ

TNTC

RL

Quaimers		3
GC VOA Qualifier	Qualifier Description	
	Indicates the analyte was analyzed for but not detected.	4
GC Semi VOA		5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	8
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		10
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	40
DER	Duplicate Error Ratio (normalized absolute difference)	13
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)	

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin) Most Probable Number

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

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Job ID: 880-51911-1

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4 5 7 8 9 10 11 12 13

Job ID: 880-51911-1

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Job Narrative 880-51911-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 12/6/2024 4:49 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: Smith Ranch Pit (880-51911-1) and (890-7441-A-1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97363 and analytical batch 880-97399 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300 ORGFM 28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97367 and analytical batch 880-97462 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: Smith Ranch Pit (880-51911-1), (880-51666-A-1-E MS) and (880-51666-A-1-F MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

Client Sample ID: Smith Ranch Pit Date Collected: 12/06/24 00:00

Date Received: 12/06/24 16:49

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/24 09:57	12/09/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				12/09/24 09:57	12/09/24 13:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/09/24 09:57	12/09/24 13:53	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396		mg/Kg			12/09/24 13:53	1
				MDI	11-34	-	Deserved	A b d	Dil Faa
Analyte	Result	Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/09/24 14:59	Dil Fac
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Die	Result <49.9	Qualifier U	RL 49.9			D	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <49.9	Qualifier	RL 49.9		mg/Kg			12/09/24 14:59	1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC)		mg/Kg Unit		Prepared	12/09/24 14:59 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result sel Range Orga Result 	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 12/09/24 08:54	Analyzed 12/09/24 14:59	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/24 08:54 12/09/24 08:54	Analyzed 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/24 08:54 12/09/24 08:54 12/09/24 08:54	Analyzed 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59	1 1 1 1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/24 08:54 12/09/24 08:54 12/09/24 08:54 Prepared	Analyzed 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U U Qualifier S1-	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/09/24 08:54 12/09/24 08:54 12/09/24 08:54 Prepared 12/09/24 08:54	Analyzed 12/09/24 14:59 2/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59	1 Dil Fac 1 1 1 1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ior Analyte	Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 <49.9 %Recovery 88 68	Qualifier U nics (DRO) Qualifier U U U Qualifier S1-	RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 12/09/24 08:54 12/09/24 08:54 12/09/24 08:54 Prepared 12/09/24 08:54	Analyzed 12/09/24 14:59 2/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59 12/09/24 14:59	1 Dil Fac 1 1 1 1 Dil Fac 1

Job ID: 880-51911-1 SDG: Lea County NM

Lab Sample ID: 880-51911-1

Matrix: Solid

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Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 880-51911-1 Smith Ranch Pit 105 111 890-7444-A-8-B MS Matrix Spike 110 104 Matrix Spike Duplicate 890-7444-A-8-C MSD 110 104 LCS 880-97375/1-A Lab Control Sample 108 105 LCSD 880-97375/2-A Lab Control Sample Dup 107 102 MB 880-97375/5-A Method Blank 109 102 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) Smith Ranch Pit 880-51911-1 88 68 S1-890-7441-A-1-B MS Matrix Spike 83 70 890-7441-A-1-C MSD Matrix Spike Duplicate 71 83 LCS 880-97363/2-A Lab Control Sample 111 99 LCSD 880-97363/3-A Lab Control Sample Dup 103 91 MB 880-97363/1-A Method Blank 100 80

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 880-51911-1 SDG: Lea County NM

Prep Type: Total/NA

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Eurofins Midland

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97375/5-A
Matulas O altal

Matrix: Solid Analysis Batch: 97356

	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/24 09:57	12/09/24 11:49	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/09/24 09:57	12/09/24 11:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/09/24 09:57	12/09/24 11:49	1

Lab Sample ID: LCS 880-97375/1-A Matrix: Solid

Analysis Batch: 97356

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1237		mg/Kg		124	70 - 130	
Toluene	0.100	0.1193		mg/Kg		119	70 - 130	
Ethylbenzene	0.100	0.1169		mg/Kg		117	70 - 130	
m-Xylene & p-Xylene	0.200	0.2386		mg/Kg		119	70 - 130	
o-Xylene	0.100	0.1202		mg/Kg		120	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-97375/2-A

Matrix: Solid

Analysis Batch: 97356							Prep	Batch:	97375
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1211		mg/Kg		121	70 - 130	2	35
Toluene	0.100	0.1173		mg/Kg		117	70 - 130	2	35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2351		mg/Kg		118	70 - 130	1	35
o-Xylene	0.100	0.1193		mg/Kg		119	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7444-A-8-B MS

Matrix: Solid

Analysis Batch: 97356									Pre	o Batch: 97375
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.101	0.1108		mg/Kg		110	70 - 130	
Toluene	<0.00198	U	0.101	0.1071		mg/Kg		106	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 97375

Prep Batch: 97375

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

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QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

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

Lab Sample ID: 890-7444-A-8-E Matrix: Solid	B MS									Client	Sample ID: Prep Ty		
Analysis Batch: 97356											Prep	Batch:	97375
	Sample	Sam	ple	Spike	MS	MS					%Rec		
Analyte	Result	Qual	lifier	Added	Result	Qua	lifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00198	U		0.101	0.1045		i	ng/Kg		103	70 - 130		
m-Xylene & p-Xylene	< 0.00396	U		0.202	0.2112			mg/Kg		105	70 - 130		
o-Xylene	<0.00198	U		0.101	0.1068		I	mg/Kg		106	70 - 130		
	MS	мs											
Surrogate	%Recovery	Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	110			70 - 130									
1,4-Difluorobenzene (Surr)	104			70 - 130									
Lab Sample ID: 890-7444-A-8-0	CMSD							с	lient S	ample ID	: Matrix Sp	ike Duj	olicate
Matrix: Solid										•	Prep T		
Analysis Batch: 97356												Batch:	
-	Sample	Sam	ple	Spike	MSD	MSD)				%Rec		RPI
Analyte	Result	Qual	lifier	Added	Result	Qua	lifier	Unit	D	%Rec	Limits	RPD	Lim
Benzene	<0.00198	U		0.0998	0.1033			mg/Kg		104	70 - 130	7	3
Toluene	<0.00198	U		0.0998	0.09801			mg/Kg		98	70 - 130	9	3
Ethylbenzene	<0.00198	U		0.0998	0.09409		1	mg/Kg		93	70 - 130	10	3
m-Xylene & p-Xylene	<0.00396	U		0.200	0.1902			mg/Kg		95	70 - 130	10	3
o-Xylene	<0.00198	U		0.0998	0.09589		I	mg/Kg		96	70 - 130	11	3
	MSD	MSD)										
Surrogate	%Recovery	Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	110			70 - 130									
1,4-Difluorobenzene (Surr)	104			70 - 130									
lethod: 8015B NM - Diese	I Range Oi	rgar	nics (DR	O) (GC)									
Lab Sample ID: MB 880-97363/	/1-A									Client S	ample ID: N	/lethod	Blanl
Matrix: Solid											Prep T		
Analysis Batch: 97399												Batch:	
		МВ	МВ										
Analyte	R	esult	Qualifier		RL	MDL	Unit		DF	Prepared	Analyze	ed	Dil Fa
Gasoline Range Organics	<	<50.0	U	50	0.0		mg/Kg		12/0	09/24 08:54	12/09/24 1	0:02	
(GRO)-C6-C10							-						
Diesel Range Organics (Over	<	<50.0	U	50	0.0		mg/Kg		12/0	09/24 08:54	12/09/24 1	0:02	
C10-C28)													
Oil Range Organics (Over C28-C36)	<	<50.0	U	50	0.0		mg/Kg		12/0	09/24 08:54	12/09/24 1	0:02	
		MB	МВ										
									-				
Surrogate	%Reco	overy	Qualifier	Limits					ŀ	Prepared	Analyze	ed	Dil Fa
Surrogate 1-Chlorooctane	%Reco	very 100	Qualifier	<i>Limits</i> 70 _ 13	0					Prepared 09/24 08:54			Dil Fa

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

Analysis Batch: 97399 Prep Batch: 97363 %Rec Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1170 117 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1013 mg/Kg 101 70 - 130 C10-C28)

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Lab Sample ID: LCS 880-97363/2-A

Matrix: Solid

QC Sample Results

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

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

Lab Sample ID: LCS 880-973	363/2-A						Client	Sample	D: Lab C		
Matrix: Solid										Гуре: То	
Analysis Batch: 97399									Prep	Batch:	97363
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	99		70 - 130								
Lab Sample ID: LCSD 880-9	7363/3-A					Clie	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Type: To	
Analysis Batch: 97399										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1121		mg/Kg		112	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	914.6		mg/Kg		91	70 - 130	10	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quanner	70 - 130								
o-Terphenyl	91		70 - 130								
	51		70 - 750								
Lab Sample ID: 890-7441-A-	1-B MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Гуре: То	
Analysis Batch: 97399										Batch:	
·	Sample	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0		994	752.2		mg/Kg		76	70 - 130		
(GRO)-C6-C10						0 0					
Diesel Range Organics (Over	<50.0	U F1	994	636.4	F1	mg/Kg		64	70 - 130		
C10-C28)											
	МС	MS									
Surrogato	%Recovery		Limits								
Surrogate 1-Chlorooctane		Quaimer	70 - 130								
	83 70										
o-Terphenyl 	70		70 - 130								
 Lab Sample ID: 890-7441-A-	1-C MSD					CI	iont Sa	mnle IF): Matrix Sp	niko Dur	licato
Matrix: Solid						01				Гуре: То	
Analysis Batch: 97399										Batch:	
Analysis Datch. 57555	Sample	Sample	Spike	MSD	MSD				%Rec	Daten.	RPD
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				768.6		mg/Kg			70 - 130	2	20
(GRO)-C6-C10	~ 50.0	0	334	100.0		myrky			10 - 130	2	20
Diesel Range Organics (Over	<50.0	U F1	994	660.1	F1	mg/Kg		66	70 - 130	4	20
C10-C28)		- • •		000.1	-					•	_5
•		MSD									
Surrogate	%Recoverv	Qualifier	l imits								

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	71		70 - 130

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Project/Site: Mescalero (11.07.2024)

Client: Carmona Resources

QC Sample Results

Job ID: 880-51911-1 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97367/1-/	4										С	lient S	ample ID:		
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 97462															
		MB N													
Analyte			Qualifier		RL		MDL			<u>D</u>	Pre	pared	Analy		Dil Fac
Chloride	<	<10.0 L	J		10.0			mg/Kg					12/09/24	09:53	1
Lab Sample ID: LCS 880-97367/2	-A									Clie	nt S	ample	ID: Lab C	ontrol S	ample
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 97462															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit	[%Rec	Limits		
Chloride				250		252.7			mg/Kg			101	90 - 110		
Lab Sample ID: LCSD 880-97367/	3-A								Cli	ent Sa	amp	le ID: I	_ab Contro	ol Sampl	le Dup
Matrix: Solid														Type: S	
Analysis Batch: 97462															
				Spike		LCSD	LCSI	C					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit	[D S	%Rec	Limits	RPD	Limit
Chloride				250		252.9			mg/Kg			101	90 - 110	0	20
Lab Sample ID: 880-51666-A-1-E	MS											Client	Sample ID): Matrix	Spike
Matrix: Solid														Type: S	
Analysis Batch: 97462															
-	Sample	Sampl	e	Spike		MS	MS						%Rec		
Analyte	Result	Qualifi	ier	Added		Result	Qual	ifier	Unit	[כ כ	%Rec	Limits		
Chloride	82.2	F1		251		372.7	F1		mg/Kg			116	90 _ 110		
Lab Sample ID: 880-51666-A-1-F	MSD									Client	San	nole ID	: Matrix S	pike Dur	olicate
Matrix: Solid														Type: S	
Analysis Batch: 97462														7,	
	. .	Samnl	e	Spike		MSD	MSD						%Rec		RPD
	Sample	oumpi	•												
Analyte		Qualifi		Added		Result	Qual	ifier	Unit	[b 9	%Rec	Limits	RPD	Limit

Eurofins Midland

QC Association Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

Job ID: 880-51911-1 SDG: Lea County NM

GC VOA

Analysis Batch: 97356

IB 880-97375/5-A	Client Sample ID Smith Ranch Pit	Prep Type	Matrix		
880-51911-1 MB 880-97375/5-A LCS 880-97375/1-A	Smith Ranch Pit		Wallix	Method	Prep Batch
		Total/NA	Solid	8021B	97375
LCS 880-97375/1-A	Method Blank	Total/NA	Solid	8021B	97375
	Lab Control Sample	Total/NA	Solid	8021B	97375
LCSD 880-97375/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97375
890-7444-A-8-B MS	Matrix Spike	Total/NA	Solid	8021B	97375
890-7444-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	97375
rep Batch: 97375					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51911-1	Smith Ranch Pit	Total/NA	Solid	5035	
MB 880-97375/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97375/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97375/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7444-A-8-B MS	Matrix Spike	Total/NA	Solid	5035	
890-7444-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
nalysis Batch: 97461					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51911-1	Smith Ranch Pit	Total/NA	Solid	Total BTEX	-

Prep Batch: 97363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51911-1	Smith Ranch Pit	Total/NA	Solid	8015NM Prep	
MB 880-97363/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97363/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7441-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7441-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 97399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51911-1	Smith Ranch Pit	Total/NA	Solid	8015B NM	97363
MB 880-97363/1-A	Method Blank	Total/NA	Solid	8015B NM	97363
LCS 880-97363/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97363
LCSD 880-97363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97363
890-7441-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	97363
890-7441-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97363
Analysis Batch: 97459					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Total/NA

Solid

8015 NM

HPLC/IC

880-51911-1

Leach Batch: 97367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batcl	ı
880-51911-1	Smith Ranch Pit	Soluble	Solid	DI Leach	-
MB 880-97367/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97367/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97367/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

Smith Ranch Pit

QC Association Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

HPLC/IC (Continued)

LCS 880-97367/2-A

LCSD 880-97367/3-A

880-51666-A-1-E MS

880-51666-A-1-F MSD

Leach Batch: 97367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-51666-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach		
880-51666-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Batch: 97462	2					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-51911-1	Smith Ranch Pit	Soluble	Solid	300.0	97367	
MB 880-97367/1-A	Method Blank	Soluble	Solid	300.0	97367	

Soluble

Soluble

Soluble

Soluble

Solid

Solid

Solid

Solid

300.0

300.0

300.0

300.0

Lab Control Sample	
Lab Control Sample Dup	
Matrix Spike	
Matrix Spike Duplicate	

Eurofins Midland

97367

97367

97367

97367

Client Sample ID: Smith Ranch Pit Date Collected: 12/06/24 00:00 Date Received: 12/06/24 16:49

Job ID: 880-51911-1 SDG: Lea County NM

Lab Sample ID: 880-51911-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	97375	12/09/24 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	97356	12/09/24 13:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			97461	12/09/24 13:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			97459	12/09/24 14:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	97363	12/09/24 08:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97399	12/09/24 14:59	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	97367	12/09/24 09:17	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97462	12/09/24 10:51	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Client: Carmona Resources Project/Site: Mescalero (11.07.2024) Job ID: 880-51911-1 SDG: Lea County NM

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Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date	
Texas	NELA	C	T104704400	06-30-25	
The following analyt	es are included in this report, bι	it the laboratory is not certif	ied by the governing authority. This lis	t may include analytes	
0	/ does not offer certification.	Matrix	Analyte		
Analysis Method	/ does not offer certification. Prep Method	Matrix	Analyte		
0		Matrix Solid Solid	Analyte Total TPH		

Eurofins Midland

12/9/2024

Method Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.2024)

Job ID: 880-51911-1 SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	rences:		
ASTM = A	STM International		
EPA = US	Environmental Protection Agency		
SW846 = "	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition	n, November 1986 And Its Updates.	
TAL SOP =	TestAmerica Laboratories, Standard Operating Procedure		
Laboratory Re	ferences:		
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Laboratory References:

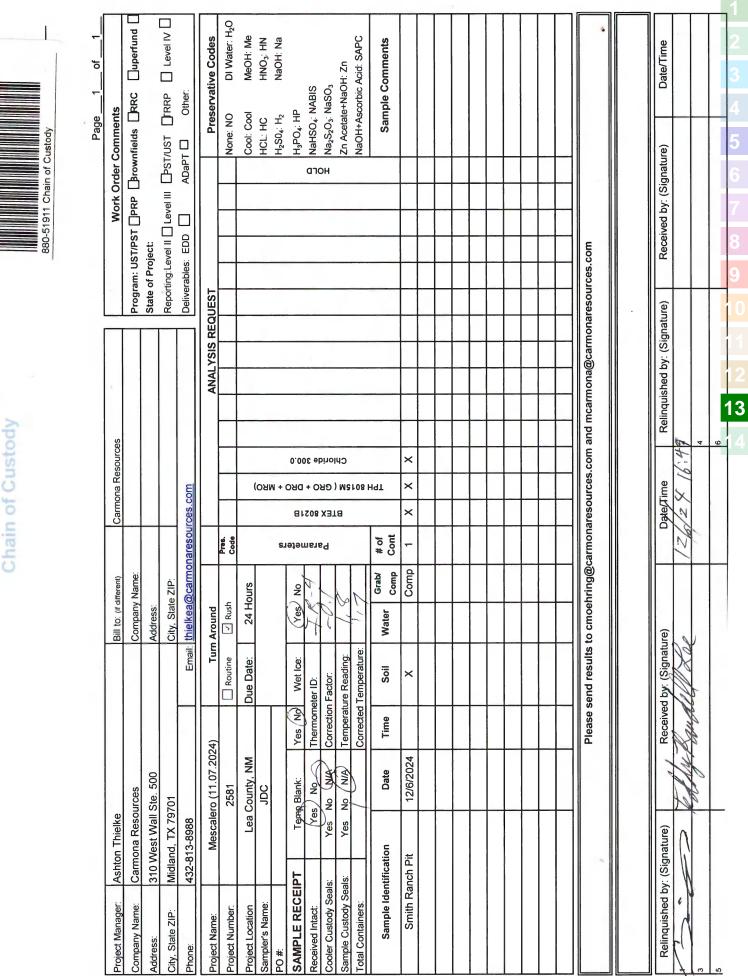
Eurofins Midland

Sample Summary

Client: Carmona Resources Project/Site: Mescalero (11.07.2024) Job ID: 880-51911-1 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51911-1	Smith Ranch Pit	Solid	12/06/24 00:00	12/06/24 16:49





Received by OCD: 1/13/2025 12:54:42 PM

Released to Imaging: 1/31/2025 3:41:55 PM

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12/9/2024

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Job Number: 880-51911-1 SDG Number: Lea County NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 51911 List Number: 1

Creator: Lee, Randell

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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QUESTIONS

Action 420012

QUESTIONS			
Operator:	OGRID:		
DKL Energy - Cottonwood, LLC	330291		
5850 Granite Parkway #450	Action Number:		
Plano, TX 75024	420012		
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)		

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2431326911
Incident Name	NAPP2431326911 MESCALERO 7 6 1BS FEDERAL COM #001H @ 30-025-49963
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-49963] MESCALERO 7 6 1BS FEDERAL COM #001H

Location of Release Source

Please answer all the questions in this group.
--

Site Name	MESCALERO 7 6 1BS FEDERAL COM #001H
Date Release Discovered	11/07/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.		
Incident Type	Oil 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	Νο	
Has this release substantially damaged or will it substantially damage property or the environment	Νο	
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	Cause: Normal Operations Valve Crude Oil Released: 23 BBL Recovered: 21 BBL Lost: 2 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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QUESTIONS, Page 2

Action 420012

QUESTIONS (conti	nued)
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Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
5850 Granite Parkway #450	Action Number:
Plano, TX 75024	420012
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
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 o actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie whitefield@deleklogistics.com		

Date: 01/13/2025

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QUESTIONS (continued)

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
5850 Granite Parkway #450	Action Number:
Plano, TX 75024	420012
	Action Type:
	[C 141] Deferral Request C 141 (C 141 v Deferral)

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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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 as	sociated 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)	3240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24590
GRO+DRO (EPA SW-846 Method 8015M)	22100
BTEX (EPA SW-846 Method 8021B or 8260B)	958
Benzene (EPA SW-846 Method 8021B or 8260B)	51.4
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	11/18/2024
On what date will (or did) the final sampling or liner inspection occur	11/19/2024
On what date will (or was) the remediation complete(d)	11/20/2024
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	5280
What is the estimated volume (in cubic yards) that will be remediated	288
These estimated dates and measurements are recognized to be the best guess or calculation at the tin	ne 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.

QUESTIONS, Page 3

Action 420012

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QUESTIONS, Page 4

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Action 420012

QUESTIONS (continued)		
Operator:	OGRID:	
DKL Energy - Cottonwood, LLC	330291	
5850 Granite Parkway #450	Action Number:	
Plano, TX 75024	420012	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

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	e / 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	LEA LAND LANDFILL [fEEM0112342028]
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 ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com

Date: 01/13/2025 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, Page 5

Action 420012

QUESTIONS (continued)		
Operator:	OGRID:	
DKL Energy - Cottonwood, LLC	330291	
5850 Granite Parkway #450	Action Number:	
Plano, TX 75024	420012	
	Action Type:	

[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Please see Section 7.0 of the closure report & correspondence in Appendix C. Contamination directly under elevated flowlines and conduits were attempted to be removed via hydrovac but caused too much structural instability under the support racks that the pipes risked bending and falling into the excavation, which would cause a secondary release. The deferred area in figure 4 has been delineated.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	450
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	160
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Mescalero 7-6 Fed Com Battery [fAPP2315139356]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	inowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or Name: Cassie Whitefield
I hereby agree and sign off to the above statement	Email: cassie.whitefield@deleklogistics.com

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QUESTIONS (continued)

Operator:	OGRID:	
DKL Energy - Cottonwood, LLC	330291	I
5850 Granite Parkway #450	Action Number:	i
Plano, TX 75024	420012	I
	Action Type:	1
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

ampling Event Information		
Last sampling notification (C-141N) recorded	403457	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsect 19.15.29.12 NMAC	tion D of 11/18/2024	
What was the (estimated) number of samples that were to be gathered	20	
What was the sampling surface area in square feet	2800	

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

QUESTIONS, Page 6

Action 420012

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

CONDITIONS

Operator:	OGRID:
DKL Energy - Cottonwood, LLC	330291
5850 Granite Parkway #450	Action Number:
Plano, TX 75024	420012
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS		
Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of CS-26 through CS-25 and SW-5, SW-6 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	1/31/2025

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Action 420012