



SITE INFORMATION

Closure Report
Red Hills 32-5 Federal Com Battery
Incident ID: nAPP2234532856
Lea County, New Mexico
Unit D Sec 32 T25S R33E
32.09203°, -103.5988°

Crude Oil and Produced Water Release
Point of Release: Heater Gasket Located on The Fire Tube
Release Date: 12/10/2022
Volume Released: 601 Barrels of Crude Oil and 32 Barrels of Produced Water
Volume Recovered: 349 Barrels of Crude Oil and 19 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
600 N. Marienfeld Street
Suite 600
Midland, Texas 79701

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



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February 24, 2023

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

Re: Closure Report
Red Hills 32-5 Federal Com Battery
Cimarex Energy Co.
Site Location: Unit D, S32, T25S, R33E
(Lat 32.09203°, Long -103.59880°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Red Hills 32-5 Federal Com Battery. The site is located at 32.09203°, - 103.59880° within Unit D, S32, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on December 10, 2022, caused by a failed heater gasket on the fire tube. It resulted in approximately six-hundred-and-one (601) barrels of crude oil released, and three-hundred-and-forty-nine (349) barrels of crude oil were recovered. Approximately thirty-two (32) barrels of produced water was also released, and thirteen (13) barrels of produced water was recovered. The impacted area is located on the pad and in the pasture. Refer to Figure 3 for spill overview. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.33 miles Southwest of the site in S32, T25S, R33E and was drilled in 2013. The well has a reported depth to groundwater of 232.96' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.



- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

On December 13, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, sixteen (16) sample points and thirteen (13) horizontal sample points were advanced to depths ranging from the surface to 4' bgs inside the area of concern. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on January 15, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-15 through S-16 was excavated to a depth of 4.0' below the surface; the area of S-10 and S-4 was excavated to a depth of 1.0' below the surface; and the area of S-9 was excavated to a depth of 2.0' below surface to remove all the impacted soils. A total of eight (8) background samples, twenty (20) confirmation floor samples (CS-1 through CS-20), and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 470 cubic yards of material were excavated and transported offsite for proper disposal.



6.0 Conclusion

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

Sincerely,

Carmona Resources, LLC

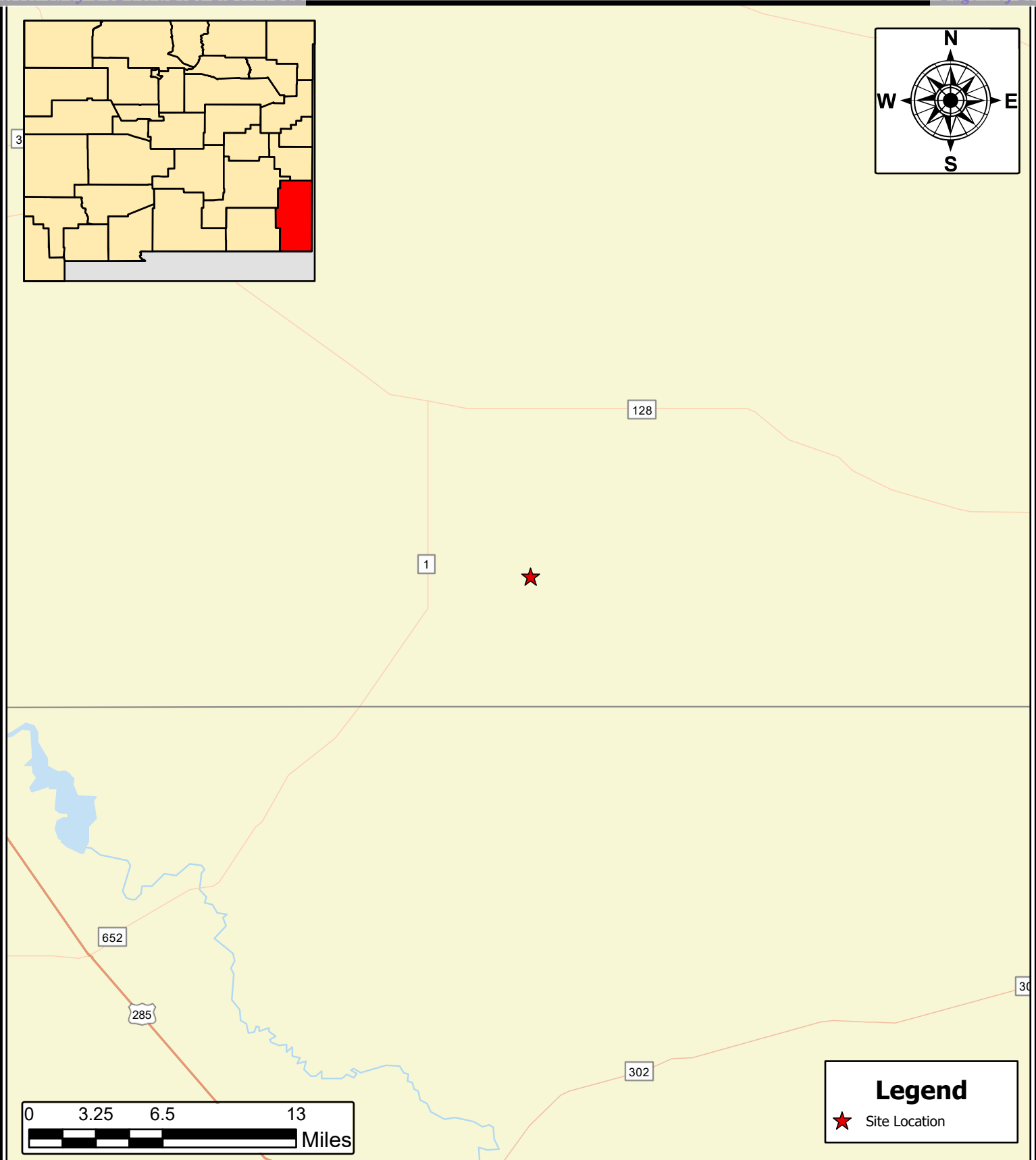
Mike Carmona
Environmental Manager

Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
CIMAREX ENERGY CO.
 RED HILLS 32-5 FED COM CTB
 LEA COUNTY, NEW MEXICO
 32.09203, -103.59880

SCALE: As Shown

Date: 1/30/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

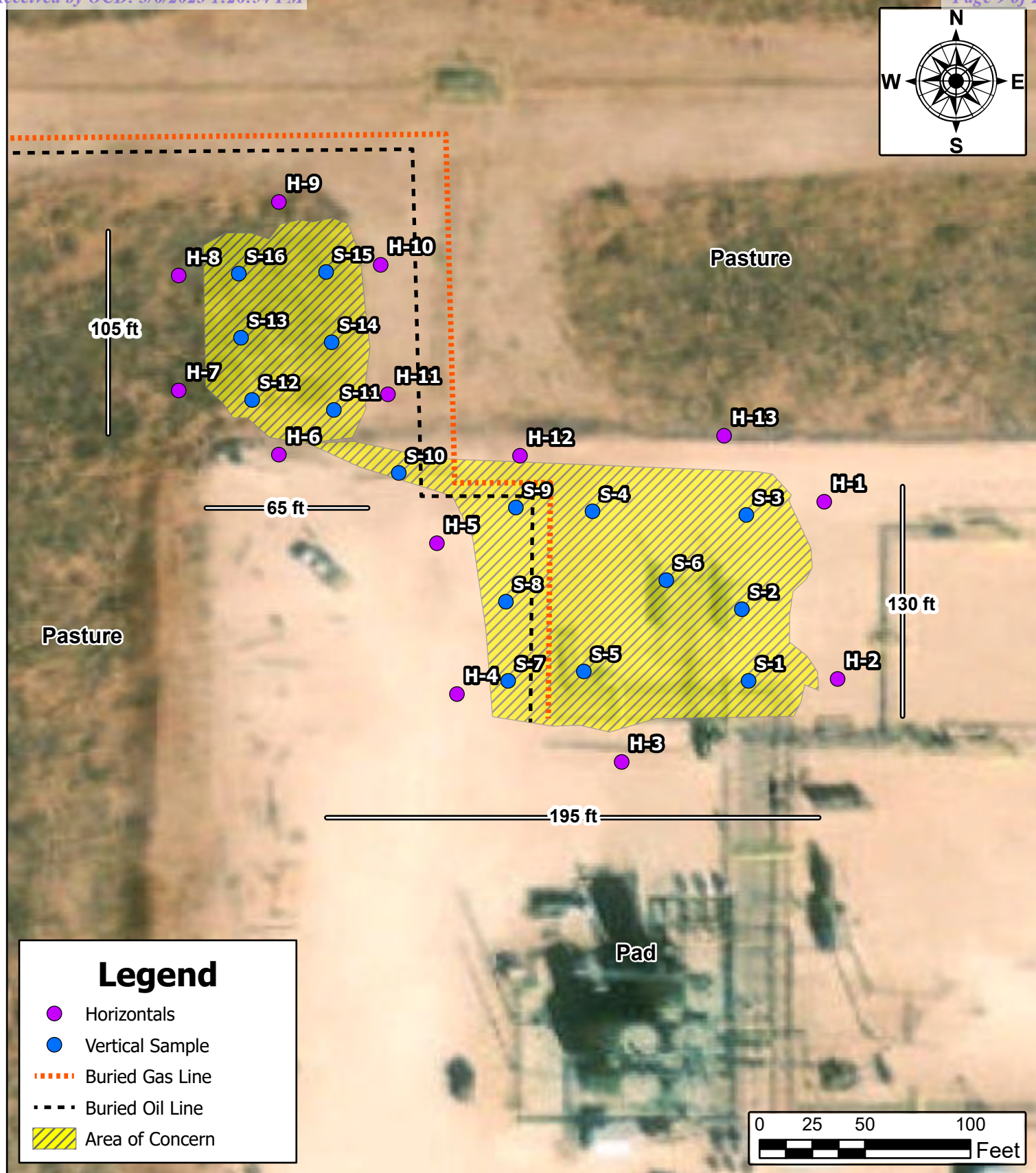
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1





SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
 RED HILLS 32-5 FED COM CTB
 LEA COUNTY, NEW MEXICO
 32.09203, -103.59880

SCALE: As Shown

Date: 1/30/2023



Carmona Resources
 310 West Wall Street, Suite 500
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NOTES:

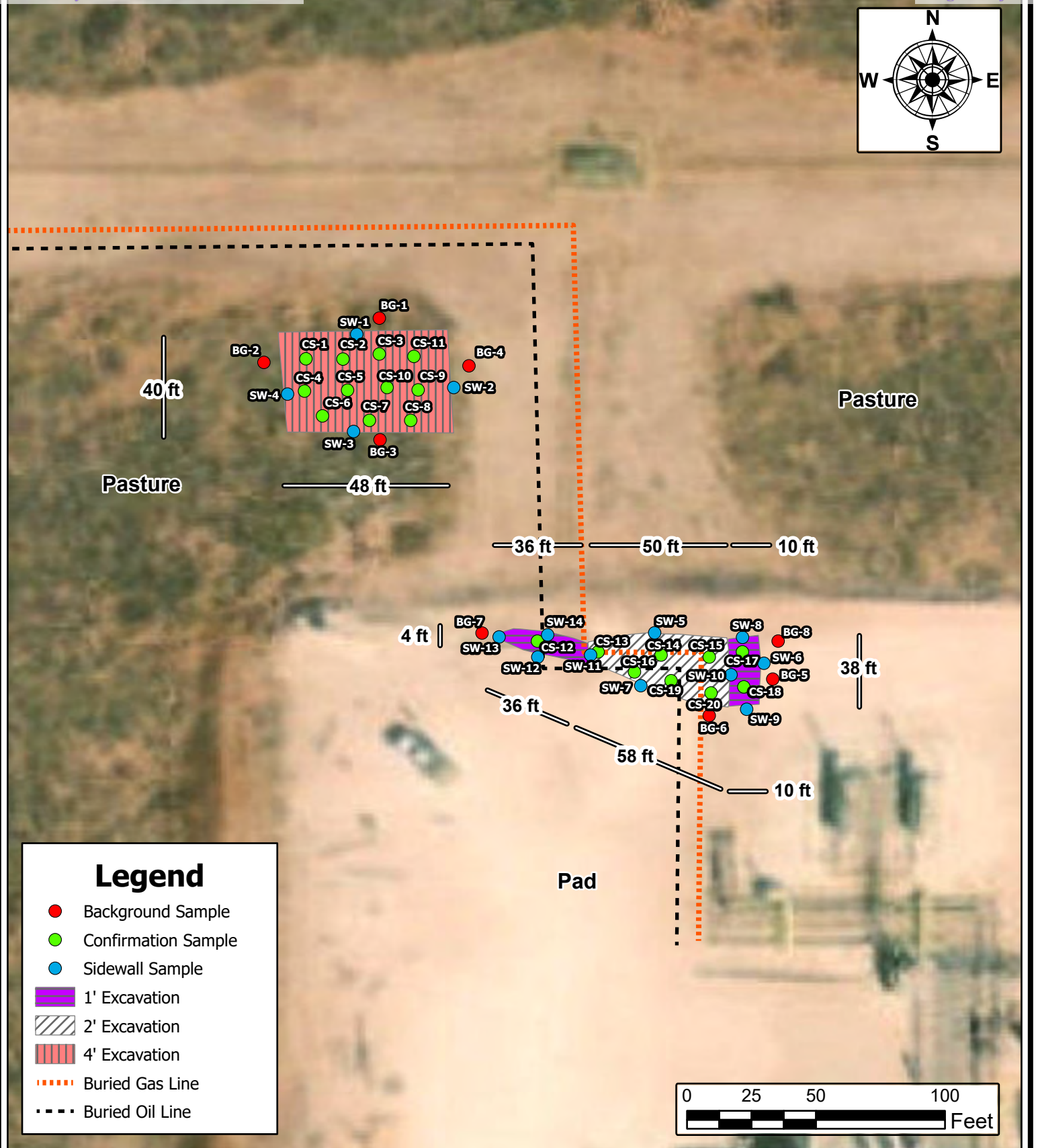
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO.
 RED HILLS 32-5 FED COM CTB
 LEA COUNTY, NEW MEXICO
 32.09203, -103.59880

SCALE: As Shown

Date: 1/31/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Red Hills 32-5 Federal Com Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)		
			GRO	DRO	MRO	Total								
Pad Samples Below														
S-1	12/13/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.0		
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.5		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.46		
S-2	12/13/2022	0-1	<50.0	108	<50.0	108	<0.00200	<0.00200	<0.00200	0.0126	0.0126	68.5		
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00214	<0.00200	0.00887	0.0110	33.9		
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.56		
S-3	12/13/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.6		
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	23.3		
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.4		
S-4	12/13/2022	0-1	2,460	3,230	350	6,040	0.104	7.49	5.16	43.0	53.4	28.5		
	"	1.5	72.5	91.2	<50.0	164	0.00232	0.0187	0.00399	0.0389	0.0639	5.91		
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00734	<0.00199	0.0136	0.0209	<4.98		
S-5	12/13/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00203	<0.00200	<0.00399	<0.00399	42.9		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.07		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.5		
S-6	12/13/2022	0-1	<49.9	102	<49.9	102	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.5		
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.07		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02		
S-7	12/13/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.3		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.2		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.2		
S-8	12/13/2022	0-1	<50.0	55.5	<50.0	55.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.26		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.0		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.64		
S-9	12/13/2022	0-1	5,090	6,700	759	12,500	2.03	40.2	17.0	96.2	155	<5.05		
	"	1.5	6,440	8,240	930	15,600	3.99	67.2	26.6	146	244	<5.04		
	"	2.0	149	274	107	530	<0.00199	0.00297	0.00572	0.0244	0.0331	<5.02		
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00211	<0.00201	<0.00402	<0.00402	<5.03		
S-10	12/13/2022	0-1	1,950	1,550	<49.9	3,500	0.00670	0.375	0.368	3.68	4.43	10.0		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	0.0169	0.00534	0.0567	0.0789	20.8		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00482	<0.00200	0.0152	0.0200	14.8		
Pasture Samples Below														
S-11	12/13/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00208	<0.00200	<0.00399	<0.00399	14.1		
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.7		
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.0		
S-12	12/13/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.00408	0.00408	<5.03		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98		
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.99		
S-13	12/13/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98		
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97		
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96		
S-14	12/13/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00343	<0.00200	0.00512	0.00855	229		
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00366	<0.00201	<0.00402	<0.00402	<5.04		
S-15	12/13/2022	0-1	7,900	5,940	<50.0	13,800	0.911	16.3	8.14	47.2	72.6	17.4		
	"	1.5	1,150	1,250	<49.9	2,400	1.25	22.3	12.9	67.0	106	<4.95		
	"	2.0	<49.9	51.0	<49.9	51.0	0.00841	0.145	0.0514	0.998	1.20	<4.99		
S-16	12/13/2022	0-1	9,440	7,020	<250	16,500	3.85	63.9	17.2	144	229	<4.97		
	"	1.5	931	678	<49.9	1,610	0.0438	1.01	0.570	5.23	6.85	<0.0505		
	"	2.0	2,370	2,240	<50.0	4,610	<0.0501	3.12	1.46	17.8	22.3	23.6		
	"	3.0	63.5	91.5	<49.9	155	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.95		
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	70.9		
Regulatory Criteria^A			1,000 mg/kg				2,500 mg/kg		10 mg/kg		50 mg/kg		20,000 mg/kg	

(-) Not Analyzed

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

TPH- Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

 Removed

Table 1
Cimarex
Red Hills 32-5 Federal Com Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	17.3
H-2	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.4
H-3	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.5
H-4	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.1
H-5	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.3
H-6	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
H-7	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	0.00700	0.00700	7.52
H-8	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.60
H-9	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.7
H-10	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.2
H-11	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.77
H-12	12/13/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.2
H-13	12/13/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.91
Regulatory Criteria ^A			100 mg/kg				10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Table 2
Cimarex
Red Hills 32-5 Federal Com Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
Pasture Samples												
CS-1	1/18/2023	3.0	51.8	495	62.6	609	<0.050	0.069	0.123	1.71	1.90	16.0
	1/25/2023	4.0	19.8	102	<10.0	122	<0.050	0.177	0.095	0.987	1.26	16.0
CS-2	1/18/2023	3.0	60.3	592	76.4	729	<0.050	0.065	0.121	1.54	1.72	16.0
	1/25/2023	4.0	<10.0	14.1	<10.0	14.1	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	1/18/2023	3.0	47.1	475	59.0	581	<0.050	0.051	0.082	1.00	1.13	48.0
	1/25/2023	4.0	<10.0	34.4	<10.0	34.4	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	1/18/2023	3.0	54.2	681	85.5	821	<0.050	<0.050	0.071	0.915	0.986	48.0
	1/25/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	1/18/2023	3.0	165	1,290	164	1,619	<0.050	0.195	0.324	4.25	4.77	16.0
	1/25/2023	4.0	<10.0	84.1	<10.0	84.1	<0.050	<0.050	<0.050	0.303	0.30	16.0
CS-6	1/18/2023	3.0	72.0	553	68.9	694	<0.050	0.164	0.265	3.37	3.8	48.0
	1/25/2023	4.0	29.4	91.8	<10.0	121	<0.050	0.597	0.323	3.43	4.35	16.0
CS-7	1/18/2023	2.0	165	1,560	209	1,934	<0.050	0.116	0.193	2.51	2.82	32.0
	1/25/2023	4.0	73.8	283	15.3	372	0.122	2.36	0.278	9.41	12.2	32.0
CS-8	1/18/2023	2.0	79.7	836	105	1,021	<0.050	0.066	0.147	1.91	2.12	32.0
	1/25/2023	4.0	220	614	43.0	877	0.389	6.27	1.68	20.5	28.9	16.0
CS-9	1/18/2023	2.0	65.7	611	78.8	756	<0.050	0.073	0.145	1.88	2.10	32.0
	1/25/2023	4.0	62.2	162	<10.0	224	0.099	1.47	0.165	5.12	6.85	16.0
CS-10	1/18/2023	2.0	108	1,230	154	1,492	<0.050	0.082	0.182	2.45	2.72	32.0
	1/25/2023	4.0	74.4	245	11.6	331	<0.050	0.800	0.086	3.03	3.92	16.0
CS-11	1/18/2023	2.0	61.0	517	70.2	648	<0.050	0.094	0.177	2.33	2.60	32.0
	1/25/2023	4.0	397	1,160	114	1,671	0.222	3.57	0.418	14.4	18.7	32.0
Pad Samples												
CS-12	1/18/2023	1.0	30.9	361	41.6	434	<0.050	<0.050	0.053	0.783	0.836	32.0
CS-13	1/18/2023	2.0	70.3	677	95.6	843	<0.050	0.134	0.168	2.14	2.44	48.0
CS-14	1/18/2023	2.0	69.0	742	104	915	<0.050	0.13	0.158	2.02	2.31	32.0
CS-15	1/18/2023	2.0	55.8	719	97.2	872	<0.050	0.52	0.074	0.982	1.11	16.0
CS-16	1/18/2023	2.0	56.2	655	86.6	798	<0.050	0.121	0.158	2.03	2.31	16.0
CS-17	1/18/2023	1.0	<10.0	69.7	13.9	83.6	<0.050	<0.050	<0.050	<0.050	<0.050	32.0
CS-18	1/18/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.050	16.0
CS-19	1/25/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.101	<0.050	0.207	0.308	32.0
CS-20	1/25/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

 Removed

Table 2
Cimarex
Red Hills 32-5 Federal Com Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
Pasture Samples												
SW-1	1/18/2023	2-3'	54.7	577	74.9	707	<0.050	0.094	0.183	2.13	2.41	32.0
	1/25/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	1/18/2023	2.0	69.5	880	119	1,069	<0.050	0.08	0.172	2.36	2.61	16.0
	1/25/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	1/18/2023	2-3'	101	1,040	146	1,287	<0.050	0.242	0.166	2.78	3.19	32.0
	1/25/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	1/18/2023	3.0	131	1,290	175	1,596	<0.050	0.206	0.132	2.27	2.61	16.0
	1/25/2023	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Pad Samples												
SW-5	1/18/2023	1-2'	53.8	635	93.0	782	<0.050	0.268	0.084	1.66	2.01	16.0
	1/25/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-6	1/18/2023	1.0	893	74.8	125	1,093	<0.050	0.331	0.098	1.76	2.19	32.0
	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	1/18/2023	1-2'	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	16.0
SW-8	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	<16.0
SW-9	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	32.0
SW-10	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	16.0
SW-11	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	16.0
SW-12	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	<16.0
SW-13	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	<16.0
SW-14	1/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	0.208	<0.050	<0.050	<0.050	<16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

 Removed

Table 2
Cimarex
Red Hills 32-5 Federal Com Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BG-1	1/18/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	0.229	<0.050	<0.150	<0.300	32.0
BG-2	1/18/2023	0-1	80.5	19.2	<10.0	99.7	<0.050	0.163	<0.050	<0.150	<0.300	16.0
BG-3	1/18/2023	0-1	<10.0	15.2	<10.0	15.2	<0.050	0.129	<0.050	<0.150	<0.300	<16.0
BG-4	1/18/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	0.121	<0.050	<0.150	<0.300	16.0
BG-5	1/18/2023	0-1	<10.0	12.4	<10.0	12.4	<0.050	0.138	<0.050	<0.150	<0.300	16.0
BG-6	1/18/2023	0-1	<10.0	11.1	<10.0	11.1	<0.050	0.108	<0.050	<0.150	<0.300	32.0
BG-7	1/18/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	0.089	<0.050	<0.150	<0.300	16.0
BG-8	1/25/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(BG) Background Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Red Hills 32-5 Federal Com Battery

County: Lea County, New Mexico

Description:

View West, area of CS-1 through CS-8.



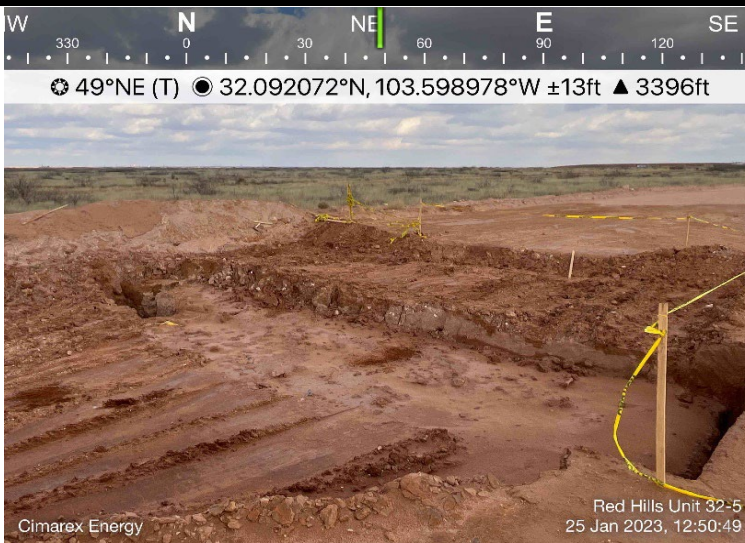
Photograph No. 2

Facility: Red Hills 32-5 Federal Com Battery

County: Lea County, New Mexico

Description:

View Northeast, area of CS-17 through CS-18.



Photograph No. 3

Facility: Red Hills 32-5 Federal Com Battery

County: Lea County, New Mexico

Description:

View Northwest, area of CS-13 through CS-20.



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 4

Facility: Red Hills 32-5 Federal Com Battery

County: Lea County, New Mexico

Description:

View East, area of CS-11 through CS-12.



Photograph No. 5

Facility: Red Hills 32-5 Federal Com Battery

County: Lea County, New Mexico

Description:

View East, area of CS-11 through CS-12.



APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	nAPP2234532856
District RP	
Facility ID	fAPP2133337415
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2234532856
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.09203 _____ Longitude -103.59880 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Red Hills 32-5 Federal Com	Site Type: Battery
Date Release Discovered: 12/10/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	32	25S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 601	Volume Recovered (bbls) 349
☒ Produced Water	Volume Released (bbls) 32	Volume Recovered (bbls) 19
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

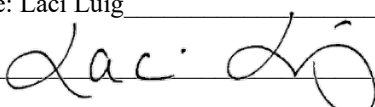
When the Lease Operator arrived on location, he found the heater gasket located on the fire tube had failed. The facility was immediately shut in and the vessel was isolated. An estimated total of 601 barrels oil and 32 barrels water were released. The southwest berm wall on the well pad had a small wash out from recent rains. This allowed an estimated 299 barrels fluid to run off pad and 110' north into the pasture. A temporary berm was immediately built to stop the run off and contain fluids onto the well pad. Vacuum trucks were immediately dispatched to recover fluids from containments and the well pad, and a hydrovac was dispatched to start recovering fluids off pad. The impacted soils off pad did not impact a sensitive area, surface or groundwater. The impacted soils are being scraped up and hauled to an approved disposal site. Any further remediation will take place in the coming weeks. Estimated release volumes: Containment: spilled 94 bbls, recovered 94 bbls On Pad: spilled 240 bbls, recovered 240 bbls Off Pad: spilled 299 bbls, recovered 34 bbls.

Incident ID	nAPP2234532856
District RP	
Facility ID	fAPP2133337415
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount released is greater than 25 barrels
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Laci Luig To: OCD Enviro., Ryan Mann (SLO) By: Email	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig	Title: ESH Specialist
Signature: 	Date: 12/11/2022
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: Jocelyn Harimon	Date: 03/06/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Jac. Lj* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: *Jac. Lj* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

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

Closure Approved by: *Jennifer Nobui* Date: 03/16/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Ashton Thielke

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Tuesday, January 17, 2023 9:09 AM
To: Ashton Thielke
Cc: Bratcher, Michael, EMNRD; Laci Luig; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] nAPP2234532856 - Red Hills 32-5 Federal Com CTB (12.10.2022) - Sample Notification

Hello Ashton

Your email notification has been noted, thank you for the update. Please include this email in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Sunday, January 15, 2023 10:26 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Laci Luig <Laci.Luig@coterra.com>
Subject: RE: [EXTERNAL] nAPP2234532856 - Red Hills 32-5 Federal Com CTB (12.10.2022) - Sample Notification

Howdy yall,

Due to mechanical setbacks pertaining to the remediation of the above mentioned site, confirmation samples have been delayed.

This new email serves as notification for confirmation sampling on the above mentioned site.

Sampling is scheduled to begin as early as January 18, 2022, weather and soil conditions permitting.

Incident ID: nAPP2234532856

Coordinates: 32.09203, -103.59880

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.5347 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, January 9, 2023 9:13 AM
To: Ashton Thielke <Ashton.Thielke@coterra.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: RE: [EXTERNAL] nAPP2234532856 - Red Hills 32-5 Federal Com CTB (12.10.2022) - Sample Notification

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Ashton,

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

JH

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



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Monday, January 9, 2023 7:21 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laci Luig <Laci.Luig@coterra.com>
Subject: [EXTERNAL] nAPP2234532856 - Red Hills 32-5 Federal Com CTB (12.10.2022) - Sample Notification

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

This email serves as notification for confirmation sampling on the above mentioned site.
Sampling is scheduled to begin as early as January 12, 2022, weather and soil conditions permitting.
Incident ID: nAPP2234532856
Coordinates: 32.09203, -103.59880

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.5347 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

APPENDIX D

CARMONA RESOURCES

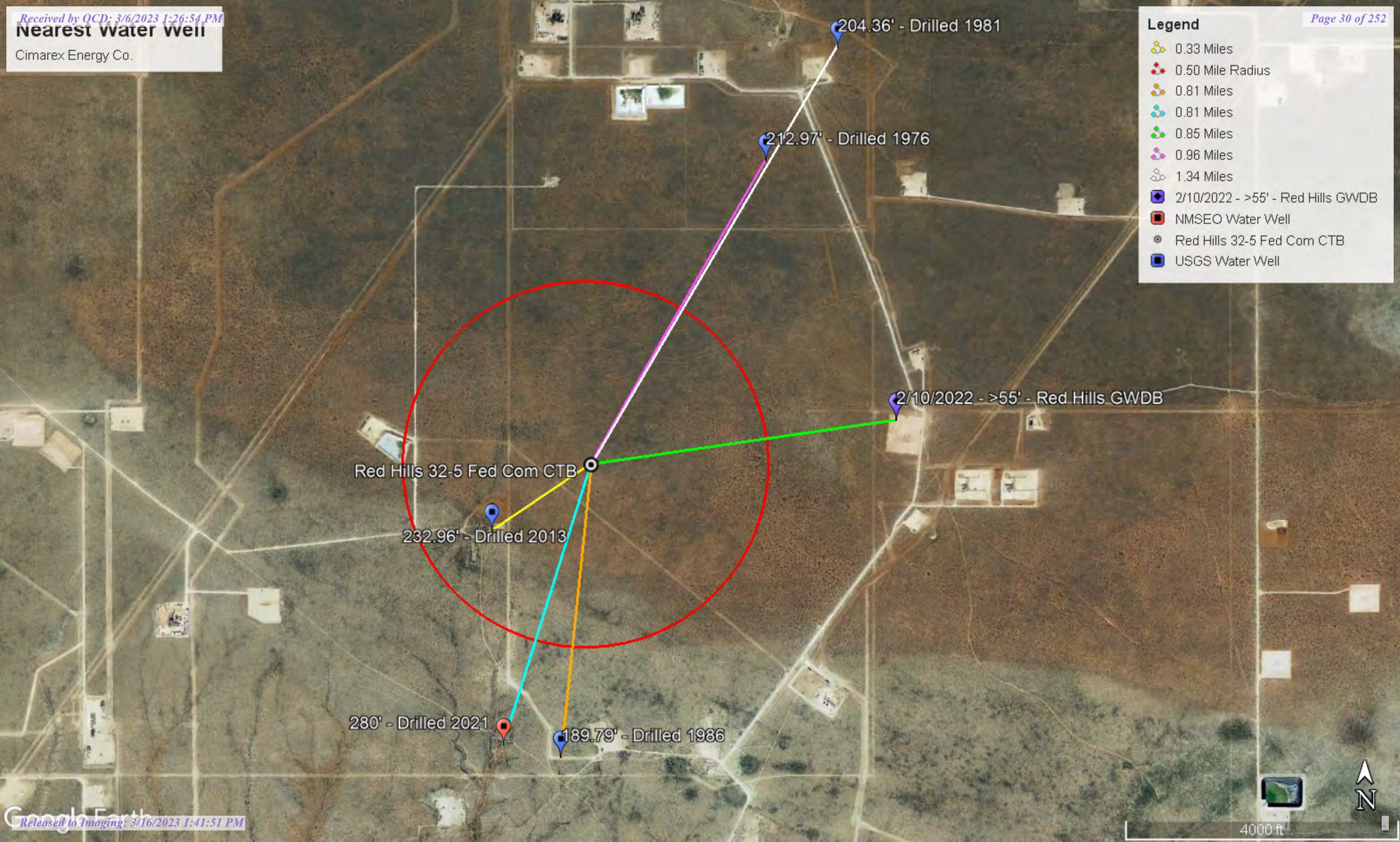


Nearest water well

Cimarex Energy Co.

Legend

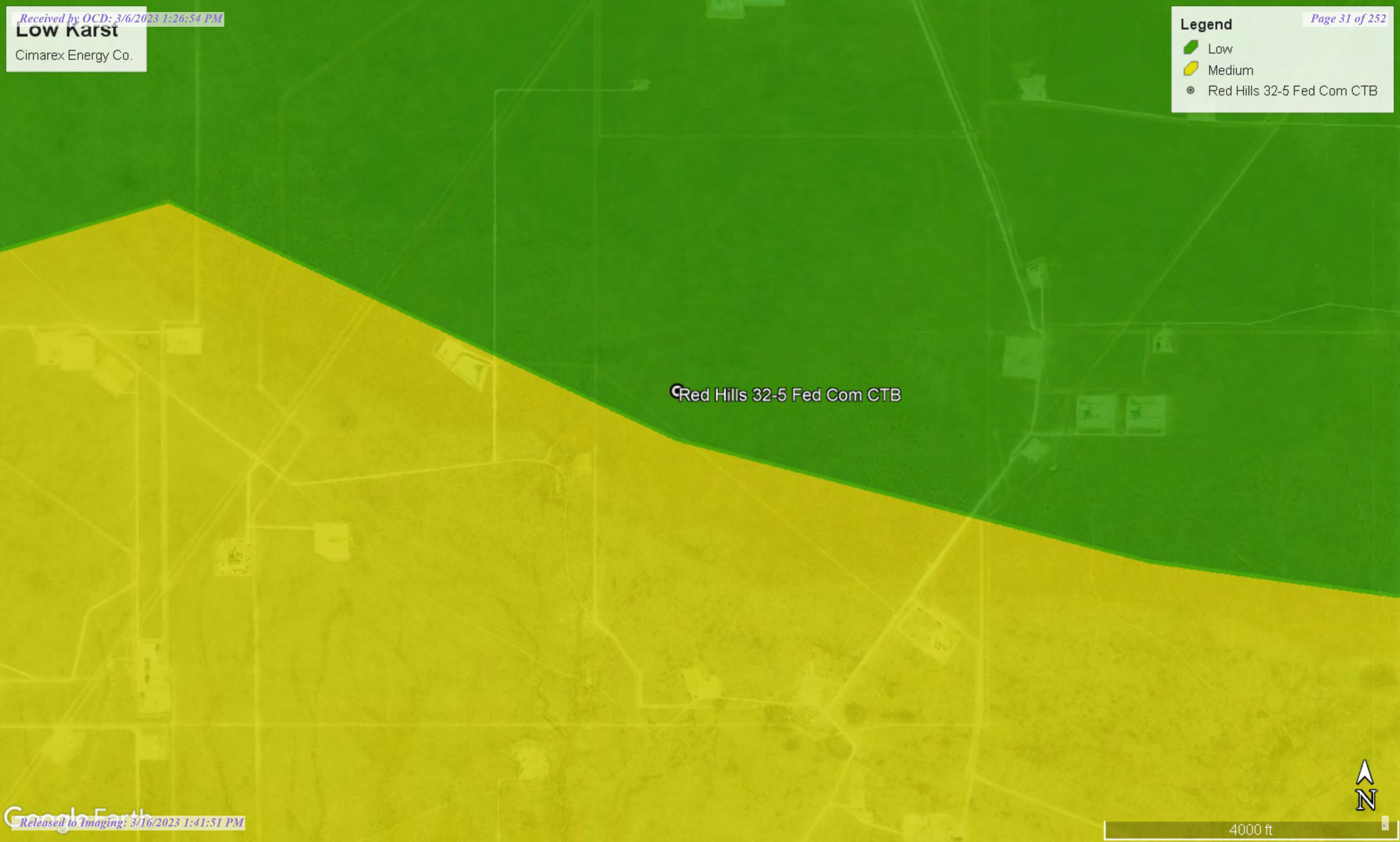
- 0.33 Miles
- 0.50 Mile Radius
- 0.81 Miles
- 0.81 Miles
- 0.85 Miles
- 0.96 Miles
- 1.34 Miles
- 2/10/2022 - >55' - Red Hills GWDB
- NMSEO Water Well
- Red Hills 32-5 Fed Com CTB
- USGS Water Well

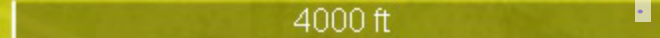


Low Karst
Cimarex Energy Co.

Legend

-  Low
-  Medium
-  Red Hills 32-5 Fed Com CTB







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04537 POD1	C	LE		4	4	4	31	25S	33E	631847	3550243	1308	500	280	220

Average Depth to Water: **280 feet**

Minimum Depth: **280 feet**

Maximum Depth: **280 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 632224.25

Northing (Y): 3551495.68

Radius: 4000

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12/12/22 6:23 AM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



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Agency code = usgs

site_no list =

- 320504103361801

Minimum number of levels = 1

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USGS 320504103361801 25S.33E.31.24232

Lea County, New Mexico
Latitude 32°05'21.6", Longitude 103°36'12.7" NAD83
Land-surface elevation 3,403.00 feet above NGVD29
The depth of the well is 320 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source
1954-07-26		D	62610		3145.45	NGVD29	1	Z		
1954-07-26		D	62611		3147.08	NAVD88	1	Z		
1954-07-26		D	72019	257.55			1	Z		
1970-12-08		D	62610		3162.86	NGVD29	P	Z		
1970-12-08		D	62611		3164.49	NAVD88	P	Z		
1970-12-08		D	72019	240.14			P	Z		
2013-01-16	19:45 UTC	m	62610		3170.04	NGVD29	1	S	USGS	
2013-01-16	19:45 UTC	m	62611		3171.67	NAVD88	1	S	USGS	
2013-01-16	19:45 UTC	m	72019	232.96			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute

https://nwis.waterdata.usgs.gov/nm/nwis/qwlevels?site_no=320504103361801&agency_cd=USGS&format=html

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

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Agency code = usgs

site_no list =

- 320449103360101

Minimum number of levels = 1

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USGS 320449103360101 25S.33E.31.44424

Lea County, New Mexico

Latitude 32°04'49", Longitude 103°36'01" NAD27

Land-surface elevation 3,383 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1981-03-25		D	62610		3189.23	NGVD29	P	Z		
1981-03-25		D	62611		3190.85	NAVD88	P	Z		
1981-03-25		D	72019	192.15			P	Z		
1986-03-18		D	62610		3191.59	NGVD29	1	Z		
1986-03-18		D	62611		3193.21	NAVD88	1	Z		
1986-03-18		D	72019	189.79			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
20E6C	C 04537 POD1	4	4	4	31	25S	33E	631847	3550243		
Driller License: 1706		Driller Company:				ELITE DRILLERS CORPORATION					
Driller Name:		WALLACE, BRYCE J.LEE.NER									
Drill Start Date: 06/11/2021		Drill Finish Date:				06/12/2021		Plug Date:			
Log File Date: 06/21/2021		PCW Rcv Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		5 GPM	
Casing Size: 4.00		Depth Well:				500 feet		Depth Water:		280 feet	
Water Bearing Stratifications:				Top	Bottom	Description					
				220	340	Sandstone/Gravel/Conglomerate					
Casing Perforations:				Top	Bottom						
				300	500						

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Agency code = usgs

site_no list =

- 320615103352601

Minimum number of levels = 1

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USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico

Latitude 32°06'15", Longitude 103°35'26" NAD27

Land-surface elevation 3,404 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

[Table of data](#)

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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
1970-12-08		D	62610		3189.60	NGVD29	1	Z		
1970-12-08		D	62611		3191.23	NAVD88	1	Z		
1970-12-08		D	72019	212.77			1	Z		
1976-01-08		D	62610		3189.40	NGVD29	1	Z		
1976-01-08		D	62611		3191.03	NAVD88	1	Z		
1976-01-08		D	72019	212.97			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs

site_no list =

• 320631103351401

Minimum number of levels = 1

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USGS 320631103351401 25S.33E.20.443313

Lea County, New Mexico
Latitude 32°06'31", Longitude 103°35'14" NAD27
Land-surface elevation 3,398 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

[Table of data](#)

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[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
1981-03-25		D	62610		3192.01	NGVD29	1	Z		
1981-03-25		D	62611		3193.64	NAVD88	1	Z		
1981-03-25		D	72019	204.36			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined

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Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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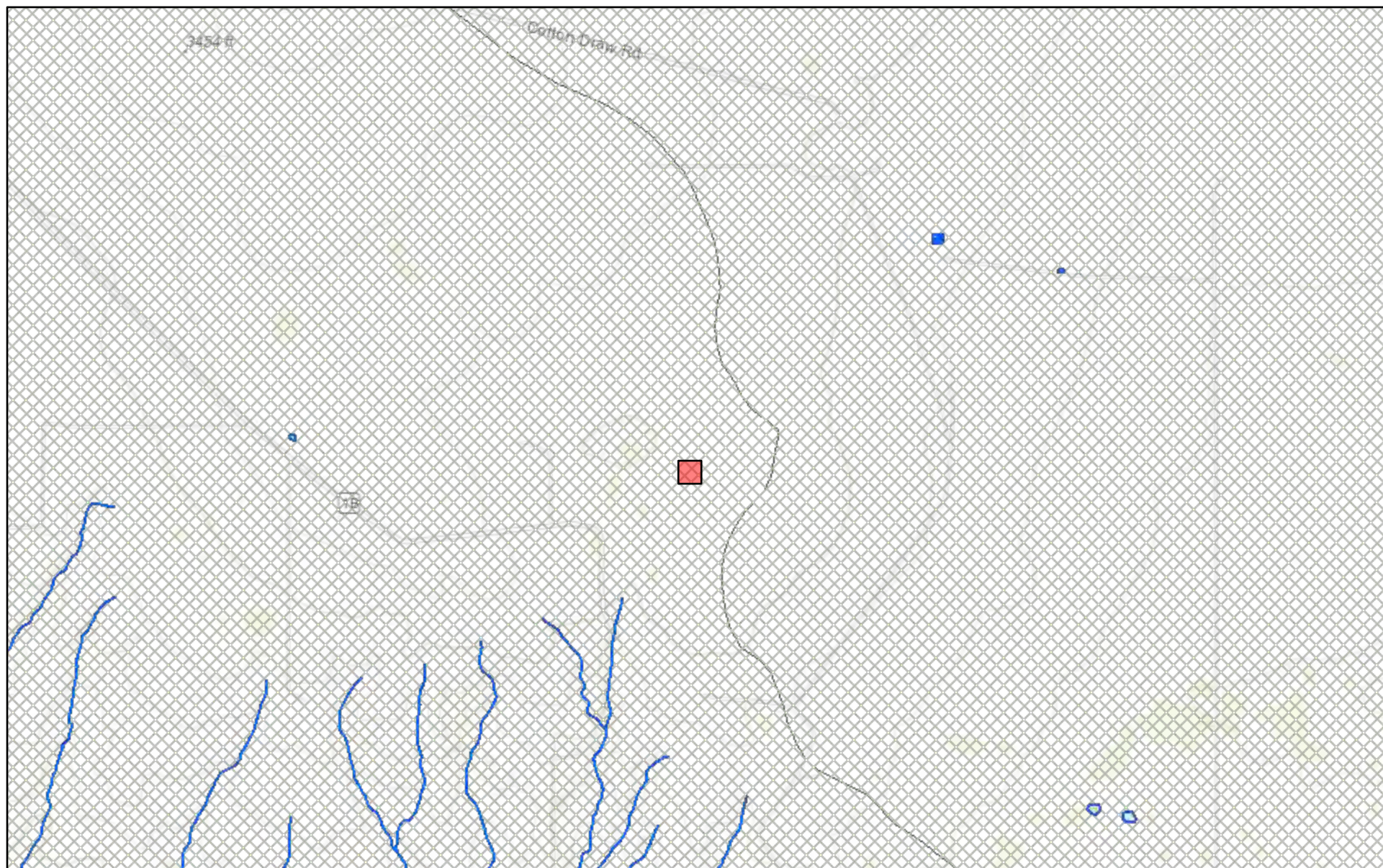
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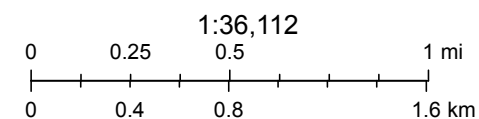
Title: Groundwater for New Mexico: Water Levels
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0.28 0.24 nadww02

New Mexico NFHL Data



December 12, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/28/2022 4:39:25 PM Revision 1

JOB DESCRIPTION

Red Hills 32-5 Fed Com CTB
SDG NUMBER Lea Co, NM

JOB NUMBER

880-22702-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

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

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Revision 1

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Laboratory Job ID: 880-22702-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Midland

Definitions/Glossary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Job ID: 880-22702-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-22702-1**

REVISION

The report being provided is a revision of the original report sent on 12/27/2022. The report (revision 1) is being revised due to Per client email, requesting chloride re run on S-16 (4').

Report revision history

Receipt

The samples were received on 12/14/2022 8:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1') (880-22702-1), H-2 (0-1') (880-22702-2), H-3 (0-1') (880-22702-3), H-4 (0-1') (880-22702-4), H-5 (0-1') (880-22702-5), H-6 (0-1') (880-22702-6), H-7 (0-1') (880-22702-7), H-8 (0-1') (880-22702-8), H-9 (0-1') (880-22702-9), H-10 (0-1') (880-22702-10), H-11 (0-1') (880-22702-11), H-12 (0-1') (880-22702-12), H-13 (0-1') (880-22702-13), S-1 (0-1') (880-22702-14), S-1 (1.5') (880-22702-15), S-1 (2') (880-22702-16), S-2 (0-1') (880-22702-17), S-2 (1.5') (880-22702-18), S-2 (2') (880-22702-19), S-3 (0-1') (880-22702-20), S-3 (1.5') (880-22702-21), S-3 (2') (880-22702-22), S-4 (0-1') (880-22702-23), S-4 (1.5') (880-22702-24), S-4 (2') (880-22702-25), S-5 (0-1') (880-22702-26), S-5 (1.5') (880-22702-27), S-5 (2') (880-22702-28), S-6 (0-1') (880-22702-29), S-6 (1.5') (880-22702-30), S-6 (2') (880-22702-31), S-7 (0-1') (880-22702-32), S-7 (1.5') (880-22702-33), S-7 (2') (880-22702-34), S-7 (3') (880-22702-35), S-8 (0-1') (880-22702-36), S-8 (1.5') (880-22702-37), S-8 (2') (880-22702-38), S-9 (0-1') (880-22702-39), S-9 (1.5') (880-22702-40), S-9 (2') (880-22702-41), S-9 (3') (880-22702-42), S-9 (4') (880-22702-43), S-10 (0-1') (880-22702-44), S-10 (1.5') (880-22702-45), S-10 (2') (880-22702-46), S-10 (3') (880-22702-47), S-11 (0-1') (880-22702-48), S-11 (1.5') (880-22702-49), S-11 (2') (880-22702-50), S-12 (0-1') (880-22702-51), S-12 (1.5') (880-22702-52), S-12 (2') (880-22702-53), S-13 (0-1') (880-22702-54), S-13 (1.5') (880-22702-55), S-13 (2') (880-22702-56), S-14 (0-1') (880-22702-57), S-14 (1.5') (880-22702-58), S-14 (2') (880-22702-59), S-15 (0-1') (880-22702-60), S-15 (1.5') (880-22702-61), S-15 (2') (880-22702-62), S-15 (3') (880-22702-63), S-16 (0-1') (880-22702-64), S-16 (1.5') (880-22702-65), S-16 (2') (880-22702-66), S-16 (3') (880-22702-67) and S-16 (4') (880-22702-68).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42514 and analytical batch 880-42596 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-4 (0-1') (880-22702-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-16 (2') (880-22702-66). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (0-1') (880-22702-23), S-9 (0-1') (880-22702-39), S-9 (1.5') (880-22702-40), S-10 (0-1') (880-22702-44), S-15 (0-1') (880-22702-60), S-15 (1.5') (880-22702-61), S-16 (0-1') (880-22702-64) and S-16 (1.5') (880-22702-65). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (1.5') (880-22702-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42096 and analytical batch 880-42181 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Case Narrative

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Job ID: 880-22702-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8021B: LCSD biased low due to misinjection. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCS 880-42096/1-A) and (LCSD 880-42096/2-A)

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-16 (0-1') (880-22702-64). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-16 (1.5') (880-22702-65). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-15 (2') (880-22702-62). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-14 (0-1') (880-22702-57). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-12 (1.5') (880-22702-52). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-10 (0-1') (880-22702-44), S-10 (1.5') (880-22702-45) and S-10 (2') (880-22702-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22702-A-42-G MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-9 (0-1') (880-22702-39) and S-9 (1.5') (880-22702-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-4 (0-1') (880-22702-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3665-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-9 (0-1') (880-22702-39) and S-9 (1.5') (880-22702-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-4 (0-1') (880-22702-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41804 and analytical batch 880-41876 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-15 (0-1') (880-22702-60) and S-16 (0-1') (880-22702-64). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-10 (0-1') (880-22702-44) and S-10 (2')

Case Narrative

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Job ID: 880-22702-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-22702-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-41834 and analytical batch 880-41874 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-16 (2') (880-22702-66), (880-22702-A-66-B MS) and (880-22702-A-66-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41910 and analytical batch 880-42048 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41842 and analytical batch 880-41879 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-41842 and analytical batch 880-41879 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41909 and analytical batch 880-42046 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-1

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 12:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/17/22 15:56	12/19/22 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 12:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/17/22 15:56	12/19/22 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/17/22 15:56	12/19/22 12:03	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/17/22 15:56	12/19/22 12:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 11:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 11:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/14/22 11:07	12/15/22 11:59	1
o-Terphenyl	114		70 - 130	12/14/22 11:07	12/15/22 11:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.3		5.02		mg/Kg			12/17/22 04:09	1

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-22702-2

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 12:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/17/22 15:56	12/19/22 12:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/17/22 15:56	12/19/22 12:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-22702-2

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/14/22 11:07	12/15/22 13:06	1
o-Terphenyl	104		70 - 130				12/14/22 11:07	12/15/22 13:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.4		4.97		mg/Kg			12/17/22 04:24	1

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-22702-3

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/17/22 15:56	12/19/22 12:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/17/22 15:56	12/19/22 12:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/14/22 11:07	12/15/22 13:28	1
o-Terphenyl	112		70 - 130				12/14/22 11:07	12/15/22 13:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		4.99		mg/Kg			12/17/22 04:29	1

Client Sample ID: H-4 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/17/22 15:56	12/19/22 13:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/17/22 15:56	12/19/22 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 13:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 13:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/14/22 11:07	12/15/22 13:50	1
o-Terphenyl	123		70 - 130				12/14/22 11:07	12/15/22 13:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		5.05		mg/Kg			12/17/22 04:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-5 (0-1')

Lab Sample ID: 880-22702-5

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 13:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/17/22 15:56	12/19/22 13:25	1
1,4-Difluorobenzene (Surr)	121		70 - 130	12/17/22 15:56	12/19/22 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	12/14/22 11:07	12/15/22 14:12	1
o-Terphenyl	103		70 - 130	12/14/22 11:07	12/15/22 14:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		5.04		mg/Kg			12/17/22 04:39	1

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-22702-6

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 13:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 13:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/17/22 15:56	12/19/22 13:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/17/22 15:56	12/19/22 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-22702-6

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 14:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/14/22 11:07	12/15/22 14:34	1
o-Terphenyl	103		70 - 130				12/14/22 11:07	12/15/22 14:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/17/22 04:53	1

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-22702-7

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
m-Xylene & p-Xylene	0.00453		0.00402		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
o-Xylene	0.00247		0.00201		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
Xylenes, Total	0.00700		0.00402		mg/Kg		12/17/22 15:56	12/19/22 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/17/22 15:56	12/19/22 14:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/17/22 15:56	12/19/22 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00700		0.00402		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-22702-7

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/14/22 11:07	12/15/22 14:55	1
o-Terphenyl	104		70 - 130				12/14/22 11:07	12/15/22 14:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.52		5.00		mg/Kg			12/17/22 04:58	1

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

Lab Sample ID: 880-22702-8

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/17/22 15:56	12/19/22 14:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/17/22 15:56	12/19/22 14:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 15:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				12/14/22 11:07	12/15/22 15:17	1
o-Terphenyl	119		70 - 130				12/14/22 11:07	12/15/22 15:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.60		5.03		mg/Kg			12/17/22 05:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-9

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 14:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 14:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/17/22 15:56	12/19/22 14:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/17/22 15:56	12/19/22 14:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	12/14/22 11:07	12/15/22 15:39	1
o-Terphenyl	112		70 - 130	12/14/22 11:07	12/15/22 15:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.7		5.02		mg/Kg			12/17/22 05:08	1

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

Lab Sample ID: 880-22702-10

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 15:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 15:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 15:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 15:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 15:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/17/22 15:56	12/19/22 15:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/17/22 15:56	12/19/22 15:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-10

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 16:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/14/22 11:07	12/15/22 16:01	1
o-Terphenyl	106		70 - 130				12/14/22 11:07	12/15/22 16:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		4.98		mg/Kg			12/17/22 05:12	1

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

Lab Sample ID: 880-22702-11

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/17/22 15:56	12/19/22 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/17/22 15:56	12/19/22 16:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/17/22 15:56	12/19/22 16:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 16:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 16:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-11

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/14/22 11:07	12/15/22 16:45	1
o-Terphenyl	121		70 - 130				12/14/22 11:07	12/15/22 16:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.77		4.96		mg/Kg			12/17/22 05:17	1

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

Lab Sample ID: 880-22702-12

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/17/22 15:56	12/19/22 16:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/17/22 15:56	12/19/22 16:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 17:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 17:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/14/22 11:07	12/15/22 17:07	1
o-Terphenyl	107		70 - 130				12/14/22 11:07	12/15/22 17:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.04		mg/Kg			12/17/22 05:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-13

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 17:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/17/22 15:56	12/19/22 17:10	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/17/22 15:56	12/19/22 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/14/22 11:07	12/15/22 17:30	1
o-Terphenyl	118		70 - 130	12/14/22 11:07	12/15/22 17:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.91		4.97		mg/Kg			12/17/22 05:37	1

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

Lab Sample ID: 880-22702-14

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 17:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 17:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:56	12/19/22 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/17/22 15:56	12/19/22 17:31	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/17/22 15:56	12/19/22 17:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-14

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/14/22 11:07	12/15/22 17:51	1
o-Terphenyl	95		70 - 130				12/14/22 11:07	12/15/22 17:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.0		5.03		mg/Kg			12/17/22 05:51	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-22702-15

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/17/22 15:56	12/19/22 17:51	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/17/22 15:56	12/19/22 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/14/22 11:07	12/15/22 18:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/14/22 11:07	12/15/22 18:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/14/22 11:07	12/15/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/14/22 11:07	12/15/22 18:13	1
o-Terphenyl	118		70 - 130				12/14/22 11:07	12/15/22 18:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		5.00		mg/Kg			12/17/22 05:56	1

Client Sample ID: S-1 (2')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/17/22 15:56	12/19/22 18:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130				12/17/22 15:56	12/19/22 18:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 18:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				12/14/22 11:07	12/15/22 18:35	1
o-Terphenyl	115		70 - 130				12/14/22 11:07	12/15/22 18:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.46		4.98		mg/Kg			12/17/22 06:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-22702-17

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:32	1
m-Xylene & p-Xylene	0.00843		0.00401		mg/Kg		12/17/22 15:56	12/19/22 18:32	1
o-Xylene	0.00412		0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:32	1
Xylenes, Total	0.0126		0.00401		mg/Kg		12/17/22 15:56	12/19/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/17/22 15:56	12/19/22 18:32	1
1,4-Difluorobenzene (Surr)	115		70 - 130	12/17/22 15:56	12/19/22 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0126		0.00401		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 18:56	1
Diesel Range Organics (Over C10-C28)	108		50.0		mg/Kg		12/14/22 11:07	12/15/22 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/14/22 11:07	12/15/22 18:56	1
o-Terphenyl	101		70 - 130				12/14/22 11:07	12/15/22 18:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.5		4.97		mg/Kg			12/17/22 06:06	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22702-18

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:52	1
Toluene	0.00214		0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:52	1
m-Xylene & p-Xylene	0.00554		0.00401		mg/Kg		12/17/22 15:56	12/19/22 18:52	1
o-Xylene	0.00333		0.00200		mg/Kg		12/17/22 15:56	12/19/22 18:52	1
Xylenes, Total	0.00887		0.00401		mg/Kg		12/17/22 15:56	12/19/22 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/17/22 15:56	12/19/22 18:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/17/22 15:56	12/19/22 18:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22702-18

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0110		0.00401		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 19:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 19:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/14/22 11:07	12/15/22 19:18	1
o-Terphenyl	118		70 - 130				12/14/22 11:07	12/15/22 19:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		5.02		mg/Kg			12/17/22 06:11	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22702-19

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/22 15:56	12/19/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/17/22 15:56	12/19/22 19:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/17/22 15:56	12/19/22 19:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 19:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22702-19

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/14/22 11:07	12/15/22 19:40	1
o-Terphenyl	103		70 - 130				12/14/22 11:07	12/15/22 19:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.56		5.01		mg/Kg			12/17/22 06:15	1

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-22702-20

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:56	12/19/22 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/17/22 15:56	12/19/22 19:33	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/17/22 15:56	12/19/22 19:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 20:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:07	12/15/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/14/22 11:07	12/15/22 20:02	1
o-Terphenyl	96		70 - 130				12/14/22 11:07	12/15/22 20:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.98		mg/Kg			12/17/22 06:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-22702-21

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/17/22 15:58	12/18/22 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/17/22 15:58	12/18/22 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	12/17/22 15:58	12/18/22 17:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/17/22 15:58	12/18/22 17:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 21:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 21:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/14/22 11:10	12/15/22 21:53	1
o-Terphenyl	127		70 - 130	12/14/22 11:10	12/15/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.3	F1	4.98		mg/Kg			12/19/22 04:55	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22702-22

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/17/22 15:58	12/18/22 18:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/17/22 15:58	12/18/22 18:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22702-22

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/15/22 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/15/22 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/15/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/14/22 11:10	12/15/22 22:59	1
o-Terphenyl	92		70 - 130				12/14/22 11:10	12/15/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.4		4.97		mg/Kg			12/19/22 05:17	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-22702-23

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.104		0.00200		mg/Kg		12/17/22 15:58	12/18/22 18:27	1
Toluene	7.49		0.0398		mg/Kg		12/17/22 17:17	12/21/22 11:10	20
Ethylbenzene	5.16		0.0398		mg/Kg		12/17/22 17:17	12/21/22 11:10	20
m-Xylene & p-Xylene	32.8		0.996		mg/Kg		12/27/22 08:59	12/27/22 09:00	250
o-Xylene	7.88		0.0398		mg/Kg		12/17/22 17:17	12/21/22 11:10	20
Xylenes, Total	43.0		0.996		mg/Kg		12/27/22 08:59	12/27/22 09:00	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	389	S1+	70 - 130				12/17/22 15:58	12/18/22 18:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/17/22 15:58	12/18/22 18:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	53.4		0.996		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6040		49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2460		49.9		mg/Kg		12/14/22 11:10	12/15/22 23:21	1
Diesel Range Organics (Over C10-C28)	3230		49.9		mg/Kg		12/14/22 11:10	12/15/22 23:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-22702-23

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	350		49.9		mg/Kg		12/14/22 11:10	12/15/22 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/14/22 11:10	12/15/22 23:21	1
o-Terphenyl	115		70 - 130				12/14/22 11:10	12/15/22 23:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5		5.02		mg/Kg			12/19/22 05:24	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-22702-24

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00232		0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
Toluene	0.0187		0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
Ethylbenzene	0.00399		0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
m-Xylene & p-Xylene	0.0287		0.00398		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
o-Xylene	0.0102		0.00199		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
Xylenes, Total	0.0389		0.00398		mg/Kg		12/17/22 15:58	12/18/22 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/17/22 15:58	12/18/22 18:48	1
1,4-Difluorobenzene (Surr)	125		70 - 130				12/17/22 15:58	12/18/22 18:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0639		0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	164		50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	72.5		50.0		mg/Kg		12/14/22 11:10	12/15/22 23:43	1
Diesel Range Organics (Over C10-C28)	91.2		50.0		mg/Kg		12/14/22 11:10	12/15/22 23:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/14/22 11:10	12/15/22 23:43	1
o-Terphenyl	103		70 - 130				12/14/22 11:10	12/15/22 23:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.91		5.01		mg/Kg			12/19/22 05:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-4 (2')

Lab Sample ID: 880-22702-25

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 19:08	1
Toluene	0.00734		0.00199		mg/Kg		12/17/22 15:58	12/18/22 19:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 19:08	1
m-Xylene & p-Xylene	0.00906		0.00398		mg/Kg		12/17/22 15:58	12/18/22 19:08	1
o-Xylene	0.00451		0.00199		mg/Kg		12/17/22 15:58	12/18/22 19:08	1
Xylenes, Total	0.0136		0.00398		mg/Kg		12/17/22 15:58	12/18/22 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/17/22 15:58	12/18/22 19:08	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/17/22 15:58	12/18/22 19:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0209		0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/14/22 11:10	12/16/22 00:06	1
o-Terphenyl	102		70 - 130				12/14/22 11:10	12/16/22 00:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/19/22 05:38	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-22702-26

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 19:29	1
Toluene	0.00203		0.00200		mg/Kg		12/17/22 15:58	12/18/22 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 19:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 19:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/17/22 15:58	12/18/22 19:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/17/22 15:58	12/18/22 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-22702-26

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/14/22 11:10	12/16/22 00:28	1
o-Terphenyl	92		70 - 130				12/14/22 11:10	12/16/22 00:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		5.03		mg/Kg			12/19/22 06:00	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-22702-27

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/22 15:58	12/18/22 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/17/22 15:58	12/18/22 19:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/17/22 15:58	12/18/22 19:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1.5')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-27

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/14/22 11:10	12/16/22 00:50	1
o-Terphenyl	113		70 - 130				12/14/22 11:10	12/16/22 00:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.07		4.96		mg/Kg			12/19/22 06:07	1

Client Sample ID: S-5 (2')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-28

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/17/22 15:58	12/18/22 20:10	1
1,4-Difluorobenzene (Surr)	114		70 - 130				12/17/22 15:58	12/18/22 20:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/14/22 11:10	12/16/22 01:13	1
o-Terphenyl	107		70 - 130				12/14/22 11:10	12/16/22 01:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.99		mg/Kg			12/19/22 06:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-22702-29

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/17/22 15:58	12/18/22 20:30	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/17/22 15:58	12/18/22 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	102		49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 01:35	1
Diesel Range Organics (Over C10-C28)	102		49.9		mg/Kg		12/14/22 11:10	12/16/22 01:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	12/14/22 11:10	12/16/22 01:35	1
o-Terphenyl	92		70 - 130	12/14/22 11:10	12/16/22 01:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.5		5.04		mg/Kg			12/19/22 06:22	1

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22702-30

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 20:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 20:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 20:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 20:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 20:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/17/22 15:58	12/18/22 20:51	1
1,4-Difluorobenzene (Surr)	119		70 - 130	12/17/22 15:58	12/18/22 20:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22702-30

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/14/22 11:10	12/16/22 01:58	1
o-Terphenyl	102		70 - 130				12/14/22 11:10	12/16/22 01:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.07		4.95		mg/Kg			12/19/22 06:29	1

Client Sample ID: S-6 (2')

Lab Sample ID: 880-22702-31

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/17/22 15:58	12/18/22 22:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/17/22 15:58	12/18/22 22:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 02:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-6 (2')

Lab Sample ID: 880-22702-31

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/14/22 11:10	12/16/22 02:44	1
o-Terphenyl	107		70 - 130				12/14/22 11:10	12/16/22 02:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U F1	5.02		mg/Kg			12/19/22 06:36	1

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-22702-32

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/17/22 15:58	12/18/22 22:34	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/17/22 15:58	12/18/22 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/14/22 11:10	12/16/22 03:06	1
o-Terphenyl	93		70 - 130				12/14/22 11:10	12/16/22 03:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.3		4.98		mg/Kg			12/19/22 06:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-22702-33

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 22:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 22:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 22:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/22 15:58	12/18/22 22:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/22 15:58	12/18/22 22:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/22 15:58	12/18/22 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/17/22 15:58	12/18/22 22:55	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/17/22 15:58	12/18/22 22:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	12/14/22 11:10	12/16/22 03:29	1
o-Terphenyl	86		70 - 130	12/14/22 11:10	12/16/22 03:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.00		mg/Kg			12/19/22 07:05	1

Client Sample ID: S-7 (2')

Lab Sample ID: 880-22702-34

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 23:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/17/22 15:58	12/18/22 23:15	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/17/22 15:58	12/18/22 23:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2')

Lab Sample ID: 880-22702-34

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/14/22 11:10	12/16/22 03:52	1
o-Terphenyl	93		70 - 130				12/14/22 11:10	12/16/22 03:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.00		mg/Kg			12/19/22 07:27	1

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

Lab Sample ID: 880-22702-36

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/18/22 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/17/22 15:58	12/18/22 23:36	1
1,4-Difluorobenzene (Surr)	115		70 - 130				12/17/22 15:58	12/18/22 23:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.5		50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 04:14	1
Diesel Range Organics (Over C10-C28)	55.5		50.0		mg/Kg		12/14/22 11:10	12/16/22 04:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-36

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/14/22 11:10	12/16/22 04:14	1
o-Terphenyl	97		70 - 130				12/14/22 11:10	12/16/22 04:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.26		4.97		mg/Kg			12/19/22 07:34	1

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-22702-37

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/17/22 15:58	12/18/22 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/17/22 15:58	12/18/22 23:56	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/17/22 15:58	12/18/22 23:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 11:10	12/16/22 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				12/14/22 11:10	12/16/22 04:37	1
o-Terphenyl	121		70 - 130				12/14/22 11:10	12/16/22 04:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.96		mg/Kg			12/19/22 07:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-22702-38

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/19/22 00:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/17/22 15:58	12/19/22 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/17/22 15:58	12/19/22 00:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/17/22 15:58	12/19/22 00:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 05:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 05:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/16/22 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/14/22 11:10	12/16/22 05:00	1
o-Terphenyl	95		70 - 130	12/14/22 11:10	12/16/22 05:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.64		5.02		mg/Kg			12/19/22 07:48	1

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

Lab Sample ID: 880-22702-39

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.03		0.100		mg/Kg		12/17/22 15:58	12/19/22 00:58	50
Toluene	40.2		0.501		mg/Kg		12/17/22 17:17	12/21/22 13:13	250
Ethylbenzene	17.0		0.100		mg/Kg		12/17/22 15:58	12/19/22 00:58	50
m-Xylene & p-Xylene	76.4		1.00		mg/Kg		12/17/22 17:17	12/21/22 13:13	250
o-Xylene	19.8		0.501		mg/Kg		12/17/22 17:17	12/21/22 13:13	250
Xylenes, Total	96.2		1.00		mg/Kg		12/17/22 17:17	12/21/22 13:13	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	432	S1+	70 - 130	12/17/22 15:58	12/19/22 00:58	50
1,4-Difluorobenzene (Surr)	128		70 - 130	12/17/22 15:58	12/19/22 00:58	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-39

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	155		1.00		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12500		49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5090		49.9		mg/Kg		12/14/22 11:10	12/16/22 05:23	1
Diesel Range Organics (Over C10-C28)	6700		49.9		mg/Kg		12/14/22 11:10	12/16/22 05:23	1
Oil Range Organics (Over C28-C36)	759		49.9		mg/Kg		12/14/22 11:10	12/16/22 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	270	S1+	70 - 130				12/14/22 11:10	12/16/22 05:23	1
o-Terphenyl	118		70 - 130				12/14/22 11:10	12/16/22 05:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			12/19/22 07:56	1

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-22702-40

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.99		0.101		mg/Kg		12/17/22 15:58	12/19/22 01:18	50
Toluene	67.2		1.01		mg/Kg		12/17/22 17:17	12/21/22 13:34	500
Ethylbenzene	26.6		1.01		mg/Kg		12/17/22 17:17	12/21/22 13:34	500
m-Xylene & p-Xylene	116		2.02		mg/Kg		12/17/22 17:17	12/21/22 13:34	500
o-Xylene	29.9		1.01		mg/Kg		12/17/22 17:17	12/21/22 13:34	500
Xylenes, Total	146		2.02		mg/Kg		12/17/22 17:17	12/21/22 13:34	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/17/22 15:58	12/19/22 01:18	50
1,4-Difluorobenzene (Surr)	42	S1-	70 - 130				12/17/22 15:58	12/19/22 01:18	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	244		2.02		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15600		250		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	6440		250		mg/Kg		12/14/22 11:10	12/16/22 06:56	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-22702-40

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	8240		250		mg/Kg		12/14/22 11:10	12/16/22 06:56	5
Oil Range Organics (Over C28-C36)	930		250		mg/Kg		12/14/22 11:10	12/16/22 06:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	334	S1+	70 - 130				12/14/22 11:10	12/16/22 06:56	5
o-Terphenyl	147	S1+	70 - 130				12/14/22 11:10	12/16/22 06:56	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/19/22 08:03	1

Client Sample ID: S-9 (2')

Lab Sample ID: 880-22702-41

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
Toluene	0.00297		0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
Ethylbenzene	0.00572		0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
m-Xylene & p-Xylene	0.0169		0.00398		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
o-Xylene	0.00753		0.00199		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
Xylenes, Total	0.0244		0.00398		mg/Kg		12/17/22 15:58	12/19/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/17/22 15:58	12/19/22 00:37	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/17/22 15:58	12/19/22 00:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0331		0.00398		mg/Kg			12/19/22 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	530		49.9		mg/Kg			12/16/22 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	149		49.9		mg/Kg		12/14/22 11:10	12/16/22 06:08	1
Diesel Range Organics (Over C10-C28)	274		49.9		mg/Kg		12/14/22 11:10	12/16/22 06:08	1
Oil Range Organics (Over C28-C36)	107		49.9		mg/Kg		12/14/22 11:10	12/16/22 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/14/22 11:10	12/16/22 06:08	1
o-Terphenyl	117		70 - 130				12/14/22 11:10	12/16/22 06:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2')

Lab Sample ID: 880-22702-41

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			12/19/22 08:10	1

Client Sample ID: S-9 (3')

Lab Sample ID: 880-22702-42

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1 F1 F2	0.00201		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
Toluene	0.00211	*- *1 F1 F2	0.00201		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
Ethylbenzene	<0.00201	U *- *1 F1 F2	0.00201		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
m-Xylene & p-Xylene	<0.00402	U *- *1 F1 F2	0.00402		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
o-Xylene	<0.00201	U *- *1 F1 F2	0.00201		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
Xylenes, Total	<0.00402	U *- *1 F1 F2	0.00402		mg/Kg		12/17/22 16:02	12/19/22 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/17/22 16:02	12/19/22 16:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/17/22 16:02	12/19/22 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 21:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 21:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/14/22 13:17	12/15/22 21:53	1
o-Terphenyl	103		70 - 130				12/14/22 13:17	12/15/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U F1	5.03		mg/Kg			12/19/22 13:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-44

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00670	*- *1	0.00198		mg/Kg		12/17/22 16:02	12/19/22 17:18	1
Toluene	0.375		0.0399		mg/Kg		12/17/22 17:17	12/21/22 11:30	20
Ethylbenzene	0.368		0.0399		mg/Kg		12/17/22 17:17	12/21/22 11:30	20
m-Xylene & p-Xylene	2.78		0.0798		mg/Kg		12/17/22 17:17	12/21/22 11:30	20
o-Xylene	0.896		0.0399		mg/Kg		12/17/22 17:17	12/21/22 11:30	20
Xylenes, Total	3.68		0.0798		mg/Kg		12/17/22 17:17	12/21/22 11:30	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	588	S1+	70 - 130	12/17/22 16:02	12/19/22 17:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/17/22 16:02	12/19/22 17:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.43		0.0798		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3500		49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1950		49.9		mg/Kg		12/14/22 13:17	12/15/22 22:59	1
Diesel Range Organics (Over C10-C28)	1550		49.9		mg/Kg		12/14/22 13:17	12/15/22 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/15/22 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	12/14/22 13:17	12/15/22 22:59	1
o-Terphenyl	114		70 - 130	12/14/22 13:17	12/15/22 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.0		4.97		mg/Kg			12/19/22 13:33	1

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-22702-45

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 17:38	1
Toluene	0.0169	*- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 17:38	1
Ethylbenzene	0.00534	*- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 17:38	1
m-Xylene & p-Xylene	0.0431	*- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 17:38	1
o-Xylene	0.0136	*- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 17:38	1
Xylenes, Total	0.0567	*- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/17/22 16:02	12/19/22 17:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/17/22 16:02	12/19/22 17:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-22702-45

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0789		0.00398		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/15/22 23:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/15/22 23:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/15/22 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/14/22 13:17	12/15/22 23:21	1
o-Terphenyl	94		70 - 130				12/14/22 13:17	12/15/22 23:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.8		4.97		mg/Kg			12/19/22 13:37	1

Client Sample ID: S-10 (2')

Lab Sample ID: 880-22702-46

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
Toluene	0.00482	*- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
m-Xylene & p-Xylene	0.0112	*- *1	0.00401		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
o-Xylene	0.00402	*- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
Xylenes, Total	0.0152	*- *1	0.00401		mg/Kg		12/17/22 16:02	12/19/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				12/17/22 16:02	12/19/22 17:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/17/22 16:02	12/19/22 17:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0200		0.00401		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 23:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 23:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-10 (2')

Lab Sample ID: 880-22702-46

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/14/22 13:17	12/15/22 23:43	1
o-Terphenyl	126		70 - 130				12/14/22 13:17	12/15/22 23:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		4.98		mg/Kg			12/19/22 13:41	1

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

Lab Sample ID: 880-22702-48

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
Toluene	0.00208	*- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/17/22 16:02	12/19/22 18:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/17/22 16:02	12/19/22 18:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/14/22 13:17	12/16/22 00:06	1
o-Terphenyl	111		70 - 130				12/14/22 13:17	12/16/22 00:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.98		mg/Kg			12/19/22 13:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-22702-49

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 18:40	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 18:40	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 18:40	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 18:40	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 18:40	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/17/22 16:02	12/19/22 18:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/17/22 16:02	12/19/22 18:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/14/22 13:17	12/16/22 00:28	1
o-Terphenyl	108		70 - 130	12/14/22 13:17	12/16/22 00:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		4.96		mg/Kg			12/19/22 14:00	1

Client Sample ID: S-11 (2')

Lab Sample ID: 880-22702-50

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 19:01	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 19:01	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 19:01	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 19:01	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 19:01	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/17/22 16:02	12/19/22 19:01	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/17/22 16:02	12/19/22 19:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-11 (2')

Lab Sample ID: 880-22702-50

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/14/22 13:17	12/16/22 00:50	1
o-Terphenyl	93		70 - 130				12/14/22 13:17	12/16/22 00:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		5.04		mg/Kg			12/19/22 14:04	1

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

Lab Sample ID: 880-22702-51

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
m-Xylene & p-Xylene	0.00408	*- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
Xylenes, Total	0.00408	*- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/17/22 16:02	12/19/22 19:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/17/22 16:02	12/19/22 19:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00408		0.00398		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-51

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/14/22 13:17	12/16/22 01:13	1
o-Terphenyl	92		70 - 130				12/14/22 13:17	12/16/22 01:13	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/19/22 14:08	1

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-22702-52

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				12/17/22 16:02	12/19/22 19:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/17/22 16:02	12/19/22 19:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 01:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 01:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/14/22 13:17	12/16/22 01:35	1
o-Terphenyl	96		70 - 130				12/14/22 13:17	12/16/22 01:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/19/22 14:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-12 (2')

Lab Sample ID: 880-22702-53

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 20:03	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 20:03	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 20:03	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 20:03	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 20:03	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/17/22 16:02	12/19/22 20:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/17/22 16:02	12/19/22 20:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	12/14/22 13:17	12/16/22 01:58	1
o-Terphenyl	94		70 - 130	12/14/22 13:17	12/16/22 01:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			12/19/22 14:17	1

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

Lab Sample ID: 880-22702-54

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 21:26	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 21:26	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 21:26	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		12/17/22 16:02	12/19/22 21:26	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 21:26	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		12/17/22 16:02	12/19/22 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/17/22 16:02	12/19/22 21:26	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/17/22 16:02	12/19/22 21:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-54

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 02:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/14/22 13:17	12/16/22 02:44	1
o-Terphenyl	103		70 - 130				12/14/22 13:17	12/16/22 02:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U F1	4.98		mg/Kg			12/19/22 14:22	1

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-22702-55

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/17/22 16:02	12/19/22 21:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/17/22 16:02	12/19/22 21:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-22702-55

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				12/14/22 13:17	12/16/22 03:06	1
o-Terphenyl	112		70 - 130				12/14/22 13:17	12/16/22 03:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/19/22 14:35	1

Client Sample ID: S-13 (2')

Lab Sample ID: 880-22702-56

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U * - *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
Ethylbenzene	<0.00199	U * - *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
m-Xylene & p-Xylene	<0.00398	U * - *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
o-Xylene	<0.00199	U * - *1	0.00199		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
Xylenes, Total	<0.00398	U * - *1	0.00398		mg/Kg		12/17/22 16:02	12/19/22 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/17/22 16:02	12/19/22 22:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/17/22 16:02	12/19/22 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/14/22 13:17	12/16/22 03:29	1
o-Terphenyl	86		70 - 130				12/14/22 13:17	12/16/22 03:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/19/22 14:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-57

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 22:28	1
Toluene	0.00343	*- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 22:28	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 22:28	1
m-Xylene & p-Xylene	0.00512	*- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 22:28	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		12/17/22 16:02	12/19/22 22:28	1
Xylenes, Total	0.00512	*- *1	0.00399		mg/Kg		12/17/22 16:02	12/19/22 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	12/17/22 16:02	12/19/22 22:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/17/22 16:02	12/19/22 22:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00855		0.00399		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/14/22 13:17	12/16/22 03:52	1
o-Terphenyl	90		70 - 130	12/14/22 13:17	12/16/22 03:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		4.98		mg/Kg			12/19/22 14:53	1

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-22702-58

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 22:48	1
Toluene	0.00366	*- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 22:48	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 22:48	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 22:48	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 22:48	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/17/22 16:02	12/19/22 22:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/17/22 16:02	12/19/22 22:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-22702-58

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 04:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 04:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/14/22 13:17	12/16/22 04:14	1
o-Terphenyl	103		70 - 130				12/14/22 13:17	12/16/22 04:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/19/22 14:57	1

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

Lab Sample ID: 880-22702-60

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.911		0.100		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
Toluene	16.3		0.100		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
Ethylbenzene	8.14		0.100		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
m-Xylene & p-Xylene	37.3		0.200		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
o-Xylene	9.92		0.100		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
Xylenes, Total	47.2		0.200		mg/Kg		12/17/22 17:17	12/21/22 11:51	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				12/17/22 17:17	12/21/22 11:51	50
1,4-Difluorobenzene (Surr)	119		70 - 130				12/17/22 17:17	12/21/22 11:51	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	72.6		0.200		mg/Kg			12/21/22 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13800		50.0		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7900		50.0		mg/Kg		12/14/22 13:17	12/16/22 04:37	1
Diesel Range Organics (Over C10-C28)	5940		50.0		mg/Kg		12/14/22 13:17	12/16/22 04:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-60

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/16/22 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	391	S1+	70 - 130				12/14/22 13:17	12/16/22 04:37	1
o-Terphenyl	196	S1+	70 - 130				12/14/22 13:17	12/16/22 04:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		5.05		mg/Kg			12/19/22 15:02	1

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-22702-61

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.25		0.0998		mg/Kg		12/17/22 17:17	12/21/22 12:11	50
Toluene	22.3		1.01		mg/Kg		12/27/22 08:59	12/27/22 09:21	500
Ethylbenzene	12.9		0.0998		mg/Kg		12/17/22 17:17	12/21/22 12:11	50
m-Xylene & p-Xylene	51.8		2.01		mg/Kg		12/27/22 08:59	12/27/22 09:21	500
o-Xylene	18.2		0.0998		mg/Kg		12/17/22 17:17	12/21/22 12:11	50
Xylenes, Total	67.0		2.01		mg/Kg		12/27/22 08:59	12/27/22 09:21	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				12/17/22 17:17	12/21/22 12:11	50
1,4-Difluorobenzene (Surr)	110		70 - 130				12/17/22 17:17	12/21/22 12:11	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	106		2.01		mg/Kg			12/21/22 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2400		49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1150		49.9		mg/Kg		12/14/22 13:17	12/16/22 05:00	1
Diesel Range Organics (Over C10-C28)	1250		49.9		mg/Kg		12/14/22 13:17	12/16/22 05:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 05:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				12/14/22 13:17	12/16/22 05:00	1
o-Terphenyl	110		70 - 130				12/14/22 13:17	12/16/22 05:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/19/22 15:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-15 (2')

Lab Sample ID: 880-22702-62

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00841	*- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 23:50	1
Toluene	0.145	*- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 23:50	1
Ethylbenzene	0.0514	*- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 23:50	1
m-Xylene & p-Xylene	0.724	*- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 23:50	1
o-Xylene	0.274	*- *1	0.00201		mg/Kg		12/17/22 16:02	12/19/22 23:50	1
Xylenes, Total	0.998	*- *1	0.00402		mg/Kg		12/17/22 16:02	12/19/22 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130	12/17/22 16:02	12/19/22 23:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/17/22 16:02	12/19/22 23:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.20		0.00402		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.0		49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 05:23	1
Diesel Range Organics (Over C10-C28)	51.0		49.9		mg/Kg		12/14/22 13:17	12/16/22 05:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	12/14/22 13:17	12/16/22 05:23	1
o-Terphenyl	105		70 - 130	12/14/22 13:17	12/16/22 05:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			12/19/22 15:11	1

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-22702-64

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.85	*- *1	0.100		mg/Kg		12/17/22 16:02	12/20/22 00:31	50
Toluene	63.9		0.996		mg/Kg		12/17/22 17:17	12/21/22 13:54	500
Ethylbenzene	17.2	*- *1	0.100		mg/Kg		12/17/22 16:02	12/20/22 00:31	50
m-Xylene & p-Xylene	115		1.99		mg/Kg		12/17/22 17:17	12/21/22 13:54	500
o-Xylene	28.8		0.996		mg/Kg		12/17/22 17:17	12/21/22 13:54	500
Xylenes, Total	144		1.99		mg/Kg		12/17/22 17:17	12/21/22 13:54	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	322	S1+	70 - 130	12/17/22 16:02	12/20/22 00:31	50
1,4-Difluorobenzene (Surr)	80		70 - 130	12/17/22 16:02	12/20/22 00:31	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-22702-64

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	229		1.99		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16500		250		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	9440		250		mg/Kg		12/14/22 13:17	12/16/22 06:56	5
Diesel Range Organics (Over C10-C28)	7020		250		mg/Kg		12/14/22 13:17	12/16/22 06:56	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		12/14/22 13:17	12/16/22 06:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	438	S1+	70 - 130				12/14/22 13:17	12/16/22 06:56	5
o-Terphenyl	231	S1+	70 - 130				12/14/22 13:17	12/16/22 06:56	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/19/22 15:15	1

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-22702-65

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0438	*- *1	0.00200		mg/Kg		12/17/22 16:02	12/20/22 00:11	1
Toluene	1.01		0.100		mg/Kg		12/17/22 17:17	12/21/22 12:32	50
Ethylbenzene	0.570		0.100		mg/Kg		12/17/22 17:17	12/21/22 12:32	50
m-Xylene & p-Xylene	4.09		0.200		mg/Kg		12/17/22 17:17	12/21/22 12:32	50
o-Xylene	1.14		0.100		mg/Kg		12/17/22 17:17	12/21/22 12:32	50
Xylenes, Total	5.23		0.200		mg/Kg		12/17/22 17:17	12/21/22 12:32	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				12/17/22 16:02	12/20/22 00:11	1
1,4-Difluorobenzene (Surr)	34	S1-	70 - 130				12/17/22 16:02	12/20/22 00:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.85		0.200		mg/Kg			12/20/22 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1610		49.9		mg/Kg			12/16/22 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	931		49.9		mg/Kg		12/14/22 13:17	12/16/22 06:08	1
Diesel Range Organics (Over C10-C28)	678		49.9		mg/Kg		12/14/22 13:17	12/16/22 06:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-22702-65

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:17	12/16/22 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/14/22 13:17	12/16/22 06:08	1
o-Terphenyl	108		70 - 130				12/14/22 13:17	12/16/22 06:08	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0505	U	0.0505		mg/Kg			12/19/22 15:20	1

Client Sample ID: S-16 (2')

Lab Sample ID: 880-22702-66

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0501	U	0.0501		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
Toluene	3.12		0.0501		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
Ethylbenzene	1.46		0.0501		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
m-Xylene & p-Xylene	13.8		0.100		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
o-Xylene	3.95		0.0501		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
Xylenes, Total	17.8		0.100		mg/Kg		12/22/22 10:36	12/24/22 17:57	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130				12/22/22 10:36	12/24/22 17:57	25
1,4-Difluorobenzene (Surr)	93		70 - 130				12/22/22 10:36	12/24/22 17:57	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	22.3		0.100		mg/Kg			12/26/22 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4610		50.0		mg/Kg			12/15/22 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2370	F1	50.0		mg/Kg		12/14/22 13:21	12/15/22 11:59	1
Diesel Range Organics (Over C10-C28)	2240	F1	50.0		mg/Kg		12/14/22 13:21	12/15/22 11:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/14/22 13:21	12/15/22 11:59	1
o-Terphenyl	112		70 - 130				12/14/22 13:21	12/15/22 11:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.6		4.95		mg/Kg			12/15/22 11:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-22702-67

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/22/22 10:36	12/24/22 18:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/22/22 10:36	12/24/22 18:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/22/22 10:36	12/24/22 18:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/22/22 10:36	12/24/22 18:17	1
o-Xylene	0.00203		0.00202		mg/Kg		12/22/22 10:36	12/24/22 18:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/22/22 10:36	12/24/22 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/22/22 10:36	12/24/22 18:17	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/22/22 10:36	12/24/22 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/26/22 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	155		49.9		mg/Kg			12/15/22 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	63.5		49.9		mg/Kg		12/14/22 13:21	12/15/22 13:06	1
Diesel Range Organics (Over C10-C28)	91.5		49.9		mg/Kg		12/14/22 13:21	12/15/22 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/14/22 13:21	12/15/22 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	12/14/22 13:21	12/15/22 13:06	1
o-Terphenyl	119		70 - 130	12/14/22 13:21	12/15/22 13:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.95		4.95		mg/Kg			12/15/22 11:30	1

Client Sample ID: S-16 (4')

Lab Sample ID: 880-22702-68

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/22 10:36	12/24/22 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/22 10:36	12/24/22 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/22 10:36	12/24/22 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/22/22 10:36	12/24/22 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/22 10:36	12/24/22 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/22 10:36	12/24/22 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/22/22 10:36	12/24/22 18:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/22/22 10:36	12/24/22 18:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (4')

Lab Sample ID: 880-22702-68

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/26/22 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/19/22 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/19/22 08:49	12/19/22 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/19/22 08:49	12/19/22 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/19/22 08:49	12/19/22 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/19/22 08:49	12/19/22 15:07	1
o-Terphenyl	92		70 - 130				12/19/22 08:49	12/19/22 15:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.9		4.99		mg/Kg			12/28/22 13:42	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-22702-1	H-1 (0-1')	105	112
880-22702-1 MS	H-1 (0-1')	103	117
880-22702-1 MSD	H-1 (0-1')	111	120
880-22702-2	H-2 (0-1')	122	101
880-22702-3	H-3 (0-1')	120	105
880-22702-4	H-4 (0-1')	112	104
880-22702-5	H-5 (0-1')	118	121
880-22702-6	H-6 (0-1')	96	102
880-22702-7	H-7 (0-1')	104	109
880-22702-8	H-8 (0-1')	106	105
880-22702-9	H-9 (0-1')	100	106
880-22702-10	H-10 (0-1')	104	104
880-22702-11	H-11 (0-1')	101	110
880-22702-12	H-12 (0-1')	100	99
880-22702-13	H-13 (0-1')	103	104
880-22702-14	S-1 (0-1')	114	113
880-22702-15	S-1 (1.5')	98	96
880-22702-16	S-1 (2')	94	78
880-22702-17	S-2 (0-1')	117	115
880-22702-18	S-2 (1.5')	136 S1+	102
880-22702-19	S-2 (2')	100	89
880-22702-20	S-3 (0-1')	105	105
880-22702-21	S-3 (1.5')	94	104
880-22702-21 MS	S-3 (1.5')	102	121
880-22702-21 MSD	S-3 (1.5')	102	120
880-22702-22	S-3 (2')	121	101
880-22702-23	S-4 (0-1')	389 S1+	88
880-22702-24	S-4 (1.5')	122	125
880-22702-25	S-4 (2')	106	113
880-22702-26	S-5 (0-1')	103	110
880-22702-27	S-5 (1.5')	98	100
880-22702-28	S-5 (2')	106	114
880-22702-29	S-6 (0-1')	113	112
880-22702-30	S-6 (1.5')	101	119
880-22702-31	S-6 (2')	98	113
880-22702-32	S-7 (0-1')	109	113
880-22702-33	S-7 (1.5')	105	111
880-22702-34	S-7 (2')	109	108
880-22702-36	S-8 (0-1')	88	115
880-22702-37	S-8 (1.5')	106	105
880-22702-38	S-8 (2')	97	98
880-22702-39	S-9 (0-1')	432 S1+	128
880-22702-40	S-9 (1.5')	116	42 S1-
880-22702-41	S-9 (2')	114	111
880-22702-42	S-9 (3')	109	90
880-22702-42 MS	S-9 (3')	55 S1-	109
880-22702-42 MSD	S-9 (3')	97	92
880-22702-44	S-10 (0-1')	588 S1+	97
880-22702-45	S-10 (1.5')	139 S1+	100

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
 SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-22702-46	S-10 (2')	133 S1+	92
880-22702-48	S-11 (0-1')	122	97
880-22702-49	S-11 (1.5')	129	96
880-22702-50	S-11 (2')	119	96
880-22702-51	S-12 (0-1')	126	98
880-22702-52	S-12 (1.5')	132 S1+	101
880-22702-53	S-12 (2')	127	102
880-22702-54	S-13 (0-1')	115	85
880-22702-55	S-13 (1.5')	126	97
880-22702-56	S-13 (2')	124	94
880-22702-57	S-14 (0-1')	138 S1+	99
880-22702-58	S-14 (1.5')	122	94
880-22702-60	S-15 (0-1')	159 S1+	119
880-22702-61	S-15 (1.5')	148 S1+	110
880-22702-62	S-15 (2')	190 S1+	95
880-22702-64	S-16 (0-1')	322 S1+	80
880-22702-65	S-16 (1.5')	144 S1+	34 S1-
880-22702-66	S-16 (2')	193 S1+	93
880-22702-67	S-16 (3')	128	88
880-22702-68	S-16 (4')	136 S1+	90
880-22856-A-13-C MS	Matrix Spike	109	93
880-22856-A-13-D MSD	Matrix Spike Duplicate	105	89
890-3662-A-1-H MS	Matrix Spike	114	101
890-3662-A-1-I MSD	Matrix Spike Duplicate	99	94
LCS 880-42094/1-A	Lab Control Sample	95	119
LCS 880-42095/1-A	Lab Control Sample	117	104
LCS 880-42096/1-A	Lab Control Sample	101	89
LCS 880-42103/1-A	Lab Control Sample	111	117
LCS 880-42487/1-A	Lab Control Sample	100	84
LCS 880-42514/1-A	Lab Control Sample	96	93
LCSD 880-42094/2-A	Lab Control Sample Dup	122	112
LCSD 880-42095/2-A	Lab Control Sample Dup	113	118
LCSD 880-42096/2-A	Lab Control Sample Dup	122	97
LCSD 880-42103/2-A	Lab Control Sample Dup	107	112
LCSD 880-42487/2-A	Lab Control Sample Dup	102	80
LCSD 880-42514/2-A	Lab Control Sample Dup	98	93
MB 880-42014/5-A	Method Blank	82	104
MB 880-42094/5-A	Method Blank	87	105
MB 880-42095/5-A	Method Blank	91	99
MB 880-42096/5-A	Method Blank	104	87
MB 880-42103/5-A	Method Blank	81	104
MB 880-42128/101	Method Blank	86	104
MB 880-42487/5-A	Method Blank	101	82
MB 880-42487/5-A	Method Blank	97	92
MB 880-42514/5-A	Method Blank	107	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-22702-1	H-1 (0-1')	111	114
880-22702-1 MS	H-1 (0-1')	95	90
880-22702-1 MSD	H-1 (0-1')	95	92
880-22702-2	H-2 (0-1')	101	104
880-22702-3	H-3 (0-1')	108	112
880-22702-4	H-4 (0-1')	119	123
880-22702-5	H-5 (0-1')	99	103
880-22702-6	H-6 (0-1')	98	103
880-22702-7	H-7 (0-1')	99	104
880-22702-8	H-8 (0-1')	116	119
880-22702-9	H-9 (0-1')	106	112
880-22702-10	H-10 (0-1')	100	106
880-22702-11	H-11 (0-1')	115	121
880-22702-12	H-12 (0-1')	103	107
880-22702-13	H-13 (0-1')	115	118
880-22702-14	S-1 (0-1')	92	95
880-22702-15	S-1 (1.5')	115	118
880-22702-16	S-1 (2')	116	115
880-22702-17	S-2 (0-1')	96	101
880-22702-18	S-2 (1.5')	114	118
880-22702-19	S-2 (2')	102	103
880-22702-20	S-3 (0-1')	95	96
880-22702-21	S-3 (1.5')	122	127
880-22702-21 MS	S-3 (1.5')	81	76
880-22702-21 MSD	S-3 (1.5')	86	81
880-22702-22	S-3 (2')	91	92
880-22702-23	S-4 (0-1')	134 S1+	115
880-22702-24	S-4 (1.5')	99	103
880-22702-25	S-4 (2')	98	102
880-22702-26	S-5 (0-1')	91	92
880-22702-27	S-5 (1.5')	115	113
880-22702-28	S-5 (2')	111	107
880-22702-29	S-6 (0-1')	89	92
880-22702-30	S-6 (1.5')	103	102
880-22702-31	S-6 (2')	108	107
880-22702-32	S-7 (0-1')	91	93
880-22702-33	S-7 (1.5')	85	86
880-22702-34	S-7 (2')	91	93
880-22702-36	S-8 (0-1')	93	97
880-22702-37	S-8 (1.5')	118	121
880-22702-38	S-8 (2')	91	95
880-22702-39	S-9 (0-1')	270 S1+	118
880-22702-40	S-9 (1.5')	334 S1+	147 S1+
880-22702-41	S-9 (2')	112	117
880-22702-42	S-9 (3')	106	103
880-22702-42 MS	S-9 (3')	122	103
880-22702-42 MSD	S-9 (3')	115	102
880-22702-44	S-10 (0-1')	137 S1+	114
880-22702-45	S-10 (1.5')	95	94
880-22702-46	S-10 (2')	134 S1+	126

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-22702-1

Project/Site: Red Hills 32-5 Fed Com CTB

SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)
Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22702-48	S-11 (0-1')	121	111
880-22702-49	S-11 (1.5')	121	108
880-22702-50	S-11 (2')	96	93
880-22702-51	S-12 (0-1')	93	92
880-22702-52	S-12 (1.5')	96	96
880-22702-53	S-12 (2')	94	94
880-22702-54	S-13 (0-1')	109	103
880-22702-55	S-13 (1.5')	123	112
880-22702-56	S-13 (2')	87	86
880-22702-57	S-14 (0-1')	91	90
880-22702-58	S-14 (1.5')	112	103
880-22702-60	S-15 (0-1')	391 S1+	196 S1+
880-22702-61	S-15 (1.5')	127	110
880-22702-62	S-15 (2')	110	105
880-22702-64	S-16 (0-1')	438 S1+	231 S1+
880-22702-65	S-16 (1.5')	119	108
880-22702-66	S-16 (2')	144 S1+	112
880-22702-66 MS	S-16 (2')	132 S1+	95
880-22702-66 MSD	S-16 (2')	136 S1+	97
880-22702-67	S-16 (3')	130	119
880-22702-68	S-16 (4')	91	92
890-3665-A-1-B MS	Matrix Spike	79	69 S1-
890-3665-A-1-C MSD	Matrix Spike Duplicate	80	70
LCS 880-41803/2-A	Lab Control Sample	94	101
LCS 880-41804/2-A	Lab Control Sample	100	106
LCS 880-41833/2-A	Lab Control Sample	113	105
LCS 880-41834/2-A	Lab Control Sample	94	103
LCS 880-42126/2-A	Lab Control Sample	123	121
LCSD 880-41803/3-A	Lab Control Sample Dup	92	99
LCSD 880-41804/3-A	Lab Control Sample Dup	97	102
LCSD 880-41833/3-A	Lab Control Sample Dup	101	111
LCSD 880-41834/3-A	Lab Control Sample Dup	101	112
LCSD 880-42126/3-A	Lab Control Sample Dup	111	108
MB 880-41803/1-A	Method Blank	101	110
MB 880-41804/1-A	Method Blank	122	133 S1+
MB 880-41833/1-A	Method Blank	109	108
MB 880-41834/1-A	Method Blank	130	123
MB 880-42126/1-A	Method Blank	101	108

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42014/5-A

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/22 10:35	12/18/22 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/22 10:35	12/18/22 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/22 10:35	12/18/22 06:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/22 10:35	12/18/22 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/22 10:35	12/18/22 06:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/22 10:35	12/18/22 06:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	12/16/22 10:35	12/18/22 06:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/16/22 10:35	12/18/22 06:49	1

Lab Sample ID: MB 880-42094/5-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/22 15:56	12/19/22 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:56	12/19/22 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/22 15:56	12/19/22 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	12/17/22 15:56	12/19/22 11:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/17/22 15:56	12/19/22 11:41	1

Lab Sample ID: LCS 880-42094/1-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1178		mg/Kg		118	70 - 130
Toluene	0.100	0.09828		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09588		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1885		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09502		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: LCSD 880-42094/2-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42094

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09334		mg/Kg		93	70 - 130	23	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-42094/2-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42094

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09164		mg/Kg		92	70 - 130	7	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130	11	35
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-22702-1 MS

Matrix: Solid

Analysis Batch: 42128

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

Prep Type: Total/NA

Prep Batch: 42094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1055		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.0998	0.09363		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09412		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1944		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09819		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-22702-1 MSD

Matrix: Solid

Analysis Batch: 42128

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

Prep Type: Total/NA

Prep Batch: 42094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1022		mg/Kg		103	70 - 130	3	35
Toluene	<0.00200	U	0.0990	0.09160		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0990	0.09168		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1935		mg/Kg		98	70 - 130	0	35
o-Xylene	<0.00200	U	0.0990	0.09862		mg/Kg		100	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: MB 880-42095/5-A

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/22 15:58	12/18/22 17:25	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-42095/5-A

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 15:58	12/18/22 17:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/22 15:58	12/18/22 17:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/17/22 15:58	12/18/22 17:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/17/22 15:58	12/18/22 17:25	1

Lab Sample ID: LCS 880-42095/1-A

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.09523		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09889		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2117		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-42095/2-A

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1056		mg/Kg		106	70 - 130	1	35
Toluene	0.100	0.09597		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09856		mg/Kg		99	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2068		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-22702-21 MS

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: S-3 (1.5')

Prep Type: Total/NA

Prep Batch: 42095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1084		mg/Kg		109	70 - 130
Toluene	<0.00200	U	0.0996	0.09060		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.09038		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1811		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08941		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-21 MS

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: S-3 (1.5')

Prep Type: Total/NA

Prep Batch: 42095

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 880-22702-21 MSD

Matrix: Solid

Analysis Batch: 41992

Client Sample ID: S-3 (1.5')

Prep Type: Total/NA

Prep Batch: 42095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09789		mg/Kg		98	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.08315		mg/Kg		83	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.0996	0.08151		mg/Kg		82	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1642		mg/Kg		82	70 - 130	10	35
o-Xylene	<0.00200	U	0.0996	0.08275		mg/Kg		83	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: MB 880-42096/5-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 16:02	12/19/22 16:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 16:02	12/19/22 16:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 16:02	12/19/22 16:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/22 16:02	12/19/22 16:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 16:02	12/19/22 16:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/22 16:02	12/19/22 16:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/17/22 16:02	12/19/22 16:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/17/22 16:02	12/19/22 16:35	1

Lab Sample ID: LCS 880-42096/1-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09497		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08969		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.2032		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42096/1-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42096

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-42096/2-A

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42096

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.01784	*- *1	mg/Kg		18	70 - 130	141	35
Toluene	0.100	0.02578	*- *1	mg/Kg		26	70 - 130	115	35
Ethylbenzene	0.100	0.03066	*- *1	mg/Kg		31	70 - 130	98	35
m-Xylene & p-Xylene	0.200	0.07000	*- *1	mg/Kg		35	70 - 130	98	35
o-Xylene	0.100	0.03986	*- *1	mg/Kg		40	70 - 130	89	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-22702-42 MS

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 42096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- *1 F1 F2	0.0996	0.007371	F1	mg/Kg		7	70 - 130		
Toluene	0.00211	*- *1 F1 F2	0.0996	0.005233	F1	mg/Kg		3	70 - 130		
Ethylbenzene	<0.00201	U *- *1 F1 F2	0.0996	0.01032	F1	mg/Kg		10	70 - 130		
m-Xylene & p-Xylene	<0.00402	U *- *1 F1 F2	0.199	0.01530	F1	mg/Kg		6	70 - 130		
o-Xylene	<0.00201	U *- *1 F1 F2	0.0996	0.01211	F1	mg/Kg		11	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-22702-42 MSD

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 42096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- *1 F1 F2	0.0996	0.08930	F2	mg/Kg		90	70 - 130	169	35
Toluene	0.00211	*- *1 F1 F2	0.0996	0.08774	F2	mg/Kg		86	70 - 130	177	35
Ethylbenzene	<0.00201	U *- *1 F1 F2	0.0996	0.07868	F2	mg/Kg		79	70 - 130	154	35
m-Xylene & p-Xylene	<0.00402	U *- *1 F1 F2	0.199	0.1703	F2	mg/Kg		84	70 - 130	167	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-42 MSD

Matrix: Solid

Analysis Batch: 42181

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 42096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	<0.00201	U *- *1 F1 F2	0.0996	0.08689	F2	mg/Kg		86	70 - 130	151	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	92		70 - 130								

Lab Sample ID: MB 880-42103/5-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42103

Analyte							12/17/22		
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/22 17:17	12/21/22 06:00	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	81		70 - 130				12/17/22 17:17	12/21/22 06:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/17/22 17:17	12/21/22 06:00	1

Lab Sample ID: LCS 880-42103/1-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08922		mg/Kg		89	70 - 130
Toluene	0.100	0.08758		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09205		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1948		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09878		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	111		70 - 130				
1,4-Difluorobenzene (Surr)	117		70 - 130				

Lab Sample ID: LCSD 880-42103/2-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08903		mg/Kg		89	70 - 130	0	35
Toluene	0.100	0.09082		mg/Kg		91	70 - 130	4	35
Ethylbenzene	0.100	0.09375		mg/Kg		94	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1988		mg/Kg		99	70 - 130	2	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-42103/2-A

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42103

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-42128/101

Matrix: Solid

Analysis Batch: 42128

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			12/20/22 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg			12/20/22 19:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			12/20/22 19:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			12/20/22 19:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			12/20/22 19:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			12/20/22 19:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130		12/20/22 19:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130		12/20/22 19:24	1

Lab Sample ID: MB 880-42487/5-A

Matrix: Solid

Analysis Batch: 42587

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/24/22 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/24/22 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/24/22 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/24/22 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/24/22 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/24/22 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/22/22 10:36	12/24/22 12:05	1
1,4-Difluorobenzene (Surr)	82		70 - 130	12/22/22 10:36	12/24/22 12:05	1

Lab Sample ID: MB 880-42487/5-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/26/22 13:51	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-42487/5-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42487

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/22/22 10:36	12/26/22 13:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/22/22 10:36	12/26/22 13:51	1

Lab Sample ID: LCS 880-42487/1-A

Matrix: Solid

Analysis Batch: 42587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09857		mg/Kg		99	70 - 130
Toluene	0.100	0.09868		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09495		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2062		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-42487/2-A

Matrix: Solid

Analysis Batch: 42587

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42487

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1126		mg/Kg		113	70 - 130	13	35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	2	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		109	70 - 130	6	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 880-22856-A-13-C MS

Matrix: Solid

Analysis Batch: 42587

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1038		mg/Kg		104	70 - 130
Toluene	<0.00201	U	0.100	0.1029		mg/Kg		103	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1015		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2213		mg/Kg		110	70 - 130
o-Xylene	<0.00201	U	0.100	0.1071		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22856-A-13-D MSD

Matrix: Solid

Analysis Batch: 42587

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1036		mg/Kg		105	70 - 130	0	35
Toluene	<0.00201	U	0.0990	0.1018		mg/Kg		103	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0990	0.1018		mg/Kg		103	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2230		mg/Kg		113	70 - 130	1	35
o-Xylene	<0.00201	U	0.0990	0.1088		mg/Kg		110	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-42514/5-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 12:14	12/26/22 23:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/22/22 12:14	12/26/22 23:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/22/22 12:14	12/26/22 23:30	1

Lab Sample ID: LCS 880-42514/1-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09444		mg/Kg		94	70 - 130
Toluene	0.100	0.09109		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08635		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1924		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09703		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-42514/2-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09605		mg/Kg		96	70 - 130	2	35
Toluene	0.100	0.09288		mg/Kg		93	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-42514/2-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.08850		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130	3	35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-3662-A-1-H MS

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08976		mg/Kg		90	70 - 130
Toluene	<0.00201	U F1	0.100	0.07517		mg/Kg		75	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.05923	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1329	F1	mg/Kg		66	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.06702	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3662-A-1-I MSD

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.07551		mg/Kg		76	70 - 130	17	35
Toluene	<0.00201	U F1	0.0996	0.06302	F1	mg/Kg		63	70 - 130	18	35
Ethylbenzene	<0.00201	U F1	0.0996	0.04699	F1	mg/Kg		47	70 - 130	23	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1036	F1	mg/Kg		52	70 - 130	25	35
o-Xylene	<0.00201	U F1	0.0996	0.05231	F1	mg/Kg		53	70 - 130	25	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-41803/1-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 08:42	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-41803/1-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:07	12/15/22 08:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/14/22 11:07	12/15/22 08:42	1
o-Terphenyl	110		70 - 130	12/14/22 11:07	12/15/22 08:42	1

Lab Sample ID: LCS 880-41803/2-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	842.3		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-41803/3-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	875.6		mg/Kg		88	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	829.8		mg/Kg		83	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-22702-1 MS

Matrix: Solid

Analysis Batch: 41876

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

Prep Type: Total/NA

Prep Batch: 41803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	930.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	951.2		mg/Kg		93	70 - 130

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-1 MSD

Matrix: Solid

Analysis Batch: 41876

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

Prep Type: Total/NA

Prep Batch: 41803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	904.7		mg/Kg		91	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	968.3		mg/Kg		95	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: MB 880-41804/1-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 20:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 11:10	12/15/22 20:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/14/22 11:10	12/15/22 20:47	1
o-Terphenyl	133	S1+	70 - 130				12/14/22 11:10	12/15/22 20:47	1

Lab Sample ID: LCS 880-41804/2-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	984.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	917.3		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: LCSD 880-41804/3-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41804

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	802.0		mg/Kg		80	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	883.1		mg/Kg		88	70 - 130	4	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-41804/3-A

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41804

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-22702-21 MS

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: S-3 (1.5')

Prep Type: Total/NA

Prep Batch: 41804

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1085		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	844.6		mg/Kg		82	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-22702-21 MSD

Matrix: Solid

Analysis Batch: 41876

Client Sample ID: S-3 (1.5')

Prep Type: Total/NA

Prep Batch: 41804

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1117		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	910.0		mg/Kg		89	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: MB 880-41833/1-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 20:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:17	12/15/22 20:47	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	108		70 - 130

	Prepared	Analyzed	Dil Fac
1-Chlorooctane	12/14/22 13:17	12/15/22 20:47	1
o-Terphenyl	12/14/22 13:17	12/15/22 20:47	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-41833/2-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41833

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	920.5		mg/Kg		92		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	857.5		mg/Kg		86		70 - 130	

Lab Sample ID: LCSD 880-41833/3-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41833

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte											
Gasoline Range Organics (GRO)-C6-C10			1000	858.6		mg/Kg		86	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	942.7		mg/Kg		94	70 - 130	9	20

Lab Sample ID: 880-22702-42 MS

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 41833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1186		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1137		mg/Kg		114	70 - 130		
				</							

Lab Sample ID: 880-22702-42 MSD

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 41833

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1166		mg/Kg	-	115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1108		mg/Kg		111	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-42 MSD

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: S-9 (3')

Prep Type: Total/NA

Prep Batch: 41833

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl	102		70 - 130

Lab Sample ID: MB 880-41834/1-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/14/22 13:21	12/15/22 08:42	1
<i>o</i> -Terphenyl	123		70 - 130				12/14/22 13:21	12/15/22 08:42	1

Lab Sample ID: LCS 880-41834/2-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	842.1		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	855.1		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
<i>o</i> -Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-41834/3-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	923.6		mg/Kg		92	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	985.0		mg/Kg		99	70 - 130	14	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
<i>o</i> -Terphenyl	112		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-66 MS

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: S-16 (2')

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	2370	F1	999	2758	F1	mg/Kg		39	70 - 130
Diesel Range Organics (Over C10-C28)	2240	F1	999	2784	F1	mg/Kg		55	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	132	S1+	70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-22702-66 MSD

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: S-16 (2')

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	2370	F1	997	2823	F1	mg/Kg		45	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	2240	F1	997	2911	F1	mg/Kg		67	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: MB 880-42126/1-A

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/19/22 08:09	12/19/22 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/19/22 08:09	12/19/22 08:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/19/22 08:09	12/19/22 08:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/19/22 08:09	12/19/22 08:42	1
o-Terphenyl	108		70 - 130				12/19/22 08:09	12/19/22 08:42	1

Lab Sample ID: LCS 880-42126/2-A

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1044		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1028		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-42126/2-A

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42126

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-42126/3-A

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	879.7		mg/Kg		88	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	894.3		mg/Kg		89	70 - 130	14	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-3665-A-1-B MS

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42126

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	886.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	744.9		mg/Kg		75	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 890-3665-A-1-C MSD

Matrix: Solid

Analysis Batch: 42117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	858.6		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	757.5		mg/Kg		76	70 - 130	2	20

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41842/1-A

Matrix: Solid

Analysis Batch: 41879

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/15/22 08:31	1

Lab Sample ID: LCS 880-41842/2-A

Matrix: Solid

Analysis Batch: 41879

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-41842/3-A

Matrix: Solid

Analysis Batch: 41879

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-22512-A-3-C MS

Matrix: Solid

Analysis Batch: 41879

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1340		250	1568	E 4	mg/Kg		90	90 - 110

Lab Sample ID: 880-22512-A-3-D MSD

Matrix: Solid

Analysis Batch: 41879

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1340		250	1553	E 4	mg/Kg		84	90 - 110	1	20

Lab Sample ID: MB 880-41908/1-A

Matrix: Solid

Analysis Batch: 42045

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/17/22 03:55	1

Lab Sample ID: LCS 880-41908/2-A

Matrix: Solid

Analysis Batch: 42045

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.5		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-41908/3-A

Matrix: Solid

Analysis Batch: 42045

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.3		mg/Kg		98	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22702-1 MS

Matrix: Solid

Analysis Batch: 42045

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	17.3		251	258.7		mg/Kg		96	90 - 110	

Lab Sample ID: 880-22702-1 MSD

Matrix: Solid

Analysis Batch: 42045

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.3		251	255.3		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-22702-11 MS

Matrix: Solid

Analysis Batch: 42045

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	6.77		248	253.7		mg/Kg		100	90 - 110	

Lab Sample ID: 880-22702-11 MSD

Matrix: Solid

Analysis Batch: 42045

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.77		248	252.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-41909/1-A

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/22 04:34	1

Lab Sample ID: LCS 880-41909/2-A

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	250	274.6		mg/Kg		110	90 - 110	

Lab Sample ID: LCSD 880-41909/3-A

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.6		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-22702-21 MS

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: S-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	23.3	F1	249	351.4	F1	mg/Kg		132	90 - 110	

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22702-21 MSD

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: S-3 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.3	F1	249	356.5	F1	mg/Kg		134	90 - 110	1	20

Lab Sample ID: 880-22702-31 MS

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: S-6 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<5.02	U F1	251	377.3	F1	mg/Kg		149	90 - 110		

Lab Sample ID: 880-22702-31 MSD

Matrix: Solid

Analysis Batch: 42046

Client Sample ID: S-6 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U F1	251	379.5	F1	mg/Kg		150	90 - 110	1	20

Lab Sample ID: MB 880-41910/1-A

Matrix: Solid

Analysis Batch: 42048

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/22 12:45	1

Lab Sample ID: LCS 880-41910/2-A

Matrix: Solid

Analysis Batch: 42048

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	233.9		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-41910/3-A

Matrix: Solid

Analysis Batch: 42048

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.7		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-22702-42 MS

Matrix: Solid

Analysis Batch: 42048

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<5.03	U F1	252	306.3	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 880-22702-42 MSD

Matrix: Solid

Analysis Batch: 42048

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.03	U F1	252	306.2	F1	mg/Kg		120	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22702-54 MS

Matrix: Solid

Analysis Batch: 42048

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.98	U F1	249	289.8	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-22702-54 MSD

Matrix: Solid

Analysis Batch: 42048

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.98	U F1	249	289.7	F1	mg/Kg		115	90 - 110	0	20

Lab Sample ID: MB 880-42664/1-A

Matrix: Solid

Analysis Batch: 42700

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/27/22 12:28	1

Lab Sample ID: LCS 880-42664/2-A

Matrix: Solid

Analysis Batch: 42700

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.4		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-42664/3-A

Matrix: Solid

Analysis Batch: 42700

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	233.5		mg/Kg		93	90 - 110	3	20

Lab Sample ID: 890-3696-A-1-D MSD

Matrix: Solid

Analysis Batch: 42700

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.7		250	281.8		mg/Kg		92	90 - 110	3	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 41992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21	S-3 (1.5')	Total/NA	Solid	8021B	42095
880-22702-22	S-3 (2')	Total/NA	Solid	8021B	42095
880-22702-23	S-4 (0-1')	Total/NA	Solid	8021B	42095
880-22702-24	S-4 (1.5')	Total/NA	Solid	8021B	42095
880-22702-25	S-4 (2')	Total/NA	Solid	8021B	42095
880-22702-26	S-5 (0-1')	Total/NA	Solid	8021B	42095
880-22702-27	S-5 (1.5')	Total/NA	Solid	8021B	42095
880-22702-28	S-5 (2')	Total/NA	Solid	8021B	42095
880-22702-29	S-6 (0-1')	Total/NA	Solid	8021B	42095
880-22702-30	S-6 (1.5')	Total/NA	Solid	8021B	42095
880-22702-31	S-6 (2')	Total/NA	Solid	8021B	42095
880-22702-32	S-7 (0-1')	Total/NA	Solid	8021B	42095
880-22702-33	S-7 (1.5')	Total/NA	Solid	8021B	42095
880-22702-34	S-7 (2')	Total/NA	Solid	8021B	42095
880-22702-36	S-8 (0-1')	Total/NA	Solid	8021B	42095
880-22702-37	S-8 (1.5')	Total/NA	Solid	8021B	42095
880-22702-38	S-8 (2')	Total/NA	Solid	8021B	42095
880-22702-39	S-9 (0-1')	Total/NA	Solid	8021B	42095
880-22702-40	S-9 (1.5')	Total/NA	Solid	8021B	42095
880-22702-41	S-9 (2')	Total/NA	Solid	8021B	42095
MB 880-42014/5-A	Method Blank	Total/NA	Solid	8021B	42014
MB 880-42095/5-A	Method Blank	Total/NA	Solid	8021B	42095
LCS 880-42095/1-A	Lab Control Sample	Total/NA	Solid	8021B	42095
LCSD 880-42095/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42095
880-22702-21 MS	S-3 (1.5')	Total/NA	Solid	8021B	42095
880-22702-21 MSD	S-3 (1.5')	Total/NA	Solid	8021B	42095

Prep Batch: 42014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42014/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	5035	
880-22702-2	H-2 (0-1')	Total/NA	Solid	5035	
880-22702-3	H-3 (0-1')	Total/NA	Solid	5035	
880-22702-4	H-4 (0-1')	Total/NA	Solid	5035	
880-22702-5	H-5 (0-1')	Total/NA	Solid	5035	
880-22702-6	H-6 (0-1')	Total/NA	Solid	5035	
880-22702-7	H-7 (0-1')	Total/NA	Solid	5035	
880-22702-8	H-8 (0-1')	Total/NA	Solid	5035	
880-22702-9	H-9 (0-1')	Total/NA	Solid	5035	
880-22702-10	H-10 (0-1')	Total/NA	Solid	5035	
880-22702-11	H-11 (0-1')	Total/NA	Solid	5035	
880-22702-12	H-12 (0-1')	Total/NA	Solid	5035	
880-22702-13	H-13 (0-1')	Total/NA	Solid	5035	
880-22702-14	S-1 (0-1')	Total/NA	Solid	5035	
880-22702-15	S-1 (1.5')	Total/NA	Solid	5035	
880-22702-16	S-1 (2')	Total/NA	Solid	5035	
880-22702-17	S-2 (0-1')	Total/NA	Solid	5035	
880-22702-18	S-2 (1.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 42094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-19	S-2 (2')	Total/NA	Solid	5035	
880-22702-20	S-3 (0-1')	Total/NA	Solid	5035	
MB 880-42094/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42094/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42094/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22702-1 MS	H-1 (0-1')	Total/NA	Solid	5035	
880-22702-1 MSD	H-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 42095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21	S-3 (1.5')	Total/NA	Solid	5035	
880-22702-22	S-3 (2')	Total/NA	Solid	5035	
880-22702-23	S-4 (0-1')	Total/NA	Solid	5035	
880-22702-24	S-4 (1.5')	Total/NA	Solid	5035	
880-22702-25	S-4 (2')	Total/NA	Solid	5035	
880-22702-26	S-5 (0-1')	Total/NA	Solid	5035	
880-22702-27	S-5 (1.5')	Total/NA	Solid	5035	
880-22702-28	S-5 (2')	Total/NA	Solid	5035	
880-22702-29	S-6 (0-1')	Total/NA	Solid	5035	
880-22702-30	S-6 (1.5')	Total/NA	Solid	5035	
880-22702-31	S-6 (2')	Total/NA	Solid	5035	
880-22702-32	S-7 (0-1')	Total/NA	Solid	5035	
880-22702-33	S-7 (1.5')	Total/NA	Solid	5035	
880-22702-34	S-7 (2')	Total/NA	Solid	5035	
880-22702-36	S-8 (0-1')	Total/NA	Solid	5035	
880-22702-37	S-8 (1.5')	Total/NA	Solid	5035	
880-22702-38	S-8 (2')	Total/NA	Solid	5035	
880-22702-39	S-9 (0-1')	Total/NA	Solid	5035	
880-22702-40	S-9 (1.5')	Total/NA	Solid	5035	
880-22702-41	S-9 (2')	Total/NA	Solid	5035	
MB 880-42095/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42095/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42095/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22702-21 MS	S-3 (1.5')	Total/NA	Solid	5035	
880-22702-21 MSD	S-3 (1.5')	Total/NA	Solid	5035	

Prep Batch: 42096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Total/NA	Solid	5035	
880-22702-44	S-10 (0-1')	Total/NA	Solid	5035	
880-22702-45	S-10 (1.5')	Total/NA	Solid	5035	
880-22702-46	S-10 (2')	Total/NA	Solid	5035	
880-22702-48	S-11 (0-1')	Total/NA	Solid	5035	
880-22702-49	S-11 (1.5')	Total/NA	Solid	5035	
880-22702-50	S-11 (2')	Total/NA	Solid	5035	
880-22702-51	S-12 (0-1')	Total/NA	Solid	5035	
880-22702-52	S-12 (1.5')	Total/NA	Solid	5035	
880-22702-53	S-12 (2')	Total/NA	Solid	5035	
880-22702-54	S-13 (0-1')	Total/NA	Solid	5035	
880-22702-55	S-13 (1.5')	Total/NA	Solid	5035	
880-22702-56	S-13 (2')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 42096 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-57	S-14 (0-1')	Total/NA	Solid	5035	
880-22702-58	S-14 (1.5')	Total/NA	Solid	5035	
880-22702-62	S-15 (2')	Total/NA	Solid	5035	
880-22702-64	S-16 (0-1')	Total/NA	Solid	5035	
880-22702-65	S-16 (1.5')	Total/NA	Solid	5035	
MB 880-42096/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42096/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42096/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22702-42 MS	S-9 (3')	Total/NA	Solid	5035	
880-22702-42 MSD	S-9 (3')	Total/NA	Solid	5035	

Prep Batch: 42103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-23	S-4 (0-1')	Total/NA	Solid	5035	
880-22702-39	S-9 (0-1')	Total/NA	Solid	5035	
880-22702-40	S-9 (1.5')	Total/NA	Solid	5035	
880-22702-44	S-10 (0-1')	Total/NA	Solid	5035	
880-22702-60	S-15 (0-1')	Total/NA	Solid	5035	
880-22702-61	S-15 (1.5')	Total/NA	Solid	5035	
880-22702-64	S-16 (0-1')	Total/NA	Solid	5035	
880-22702-65	S-16 (1.5')	Total/NA	Solid	5035	
MB 880-42103/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42103/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42103/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 42128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	8021B	42094
880-22702-2	H-2 (0-1')	Total/NA	Solid	8021B	42094
880-22702-3	H-3 (0-1')	Total/NA	Solid	8021B	42094
880-22702-4	H-4 (0-1')	Total/NA	Solid	8021B	42094
880-22702-5	H-5 (0-1')	Total/NA	Solid	8021B	42094
880-22702-6	H-6 (0-1')	Total/NA	Solid	8021B	42094
880-22702-7	H-7 (0-1')	Total/NA	Solid	8021B	42094
880-22702-8	H-8 (0-1')	Total/NA	Solid	8021B	42094
880-22702-9	H-9 (0-1')	Total/NA	Solid	8021B	42094
880-22702-10	H-10 (0-1')	Total/NA	Solid	8021B	42094
880-22702-11	H-11 (0-1')	Total/NA	Solid	8021B	42094
880-22702-12	H-12 (0-1')	Total/NA	Solid	8021B	42094
880-22702-13	H-13 (0-1')	Total/NA	Solid	8021B	42094
880-22702-14	S-1 (0-1')	Total/NA	Solid	8021B	42094
880-22702-15	S-1 (1.5')	Total/NA	Solid	8021B	42094
880-22702-16	S-1 (2')	Total/NA	Solid	8021B	42094
880-22702-17	S-2 (0-1')	Total/NA	Solid	8021B	42094
880-22702-18	S-2 (1.5')	Total/NA	Solid	8021B	42094
880-22702-19	S-2 (2')	Total/NA	Solid	8021B	42094
880-22702-20	S-3 (0-1')	Total/NA	Solid	8021B	42094
880-22702-23	S-4 (0-1')	Total/NA	Solid	8021B	42103
880-22702-39	S-9 (0-1')	Total/NA	Solid	8021B	42103
880-22702-40	S-9 (1.5')	Total/NA	Solid	8021B	42103
880-22702-44	S-10 (0-1')	Total/NA	Solid	8021B	42103

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 42128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-60	S-15 (0-1')	Total/NA	Solid	8021B	42103
880-22702-61	S-15 (1.5')	Total/NA	Solid	8021B	42103
880-22702-64	S-16 (0-1')	Total/NA	Solid	8021B	42103
880-22702-65	S-16 (1.5')	Total/NA	Solid	8021B	42103
MB 880-42094/5-A	Method Blank	Total/NA	Solid	8021B	42094
MB 880-42103/5-A	Method Blank	Total/NA	Solid	8021B	42103
MB 880-42128/101	Method Blank	Total/NA	Solid	8021B	
LCS 880-42094/1-A	Lab Control Sample	Total/NA	Solid	8021B	42094
LCS 880-42103/1-A	Lab Control Sample	Total/NA	Solid	8021B	42103
LCSD 880-42094/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42094
LCSD 880-42103/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42103
880-22702-1 MS	H-1 (0-1')	Total/NA	Solid	8021B	42094
880-22702-1 MSD	H-1 (0-1')	Total/NA	Solid	8021B	42094

Analysis Batch: 42181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Total/NA	Solid	8021B	42096
880-22702-44	S-10 (0-1')	Total/NA	Solid	8021B	42096
880-22702-45	S-10 (1.5')	Total/NA	Solid	8021B	42096
880-22702-46	S-10 (2')	Total/NA	Solid	8021B	42096
880-22702-48	S-11 (0-1')	Total/NA	Solid	8021B	42096
880-22702-49	S-11 (1.5')	Total/NA	Solid	8021B	42096
880-22702-50	S-11 (2')	Total/NA	Solid	8021B	42096
880-22702-51	S-12 (0-1')	Total/NA	Solid	8021B	42096
880-22702-52	S-12 (1.5')	Total/NA	Solid	8021B	42096
880-22702-53	S-12 (2')	Total/NA	Solid	8021B	42096
880-22702-54	S-13 (0-1')	Total/NA	Solid	8021B	42096
880-22702-55	S-13 (1.5')	Total/NA	Solid	8021B	42096
880-22702-56	S-13 (2')	Total/NA	Solid	8021B	42096
880-22702-57	S-14 (0-1')	Total/NA	Solid	8021B	42096
880-22702-58	S-14 (1.5')	Total/NA	Solid	8021B	42096
880-22702-62	S-15 (2')	Total/NA	Solid	8021B	42096
880-22702-64	S-16 (0-1')	Total/NA	Solid	8021B	42096
880-22702-65	S-16 (1.5')	Total/NA	Solid	8021B	42096
MB 880-42096/5-A	Method Blank	Total/NA	Solid	8021B	42096
LCS 880-42096/1-A	Lab Control Sample	Total/NA	Solid	8021B	42096
LCSD 880-42096/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42096
880-22702-42 MS	S-9 (3')	Total/NA	Solid	8021B	42096
880-22702-42 MSD	S-9 (3')	Total/NA	Solid	8021B	42096

Analysis Batch: 42270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-7	H-7 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-8	H-8 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-9	H-9 (0-1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 42270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-10	H-10 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-11	H-11 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-12	H-12 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-13	H-13 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-14	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-15	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-16	S-1 (2')	Total/NA	Solid	Total BTEX	
880-22702-17	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-18	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-19	S-2 (2')	Total/NA	Solid	Total BTEX	
880-22702-20	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-21	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-22	S-3 (2')	Total/NA	Solid	Total BTEX	
880-22702-23	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-24	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-25	S-4 (2')	Total/NA	Solid	Total BTEX	
880-22702-26	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-27	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-28	S-5 (2')	Total/NA	Solid	Total BTEX	
880-22702-29	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-30	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-31	S-6 (2')	Total/NA	Solid	Total BTEX	
880-22702-32	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-33	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-34	S-7 (2')	Total/NA	Solid	Total BTEX	
880-22702-36	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-37	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-38	S-8 (2')	Total/NA	Solid	Total BTEX	
880-22702-39	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-40	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-41	S-9 (2')	Total/NA	Solid	Total BTEX	
880-22702-42	S-9 (3')	Total/NA	Solid	Total BTEX	
880-22702-44	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-45	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-46	S-10 (2')	Total/NA	Solid	Total BTEX	
880-22702-48	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-49	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-50	S-11 (2')	Total/NA	Solid	Total BTEX	
880-22702-51	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-52	S-12 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-53	S-12 (2')	Total/NA	Solid	Total BTEX	
880-22702-54	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-55	S-13 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-56	S-13 (2')	Total/NA	Solid	Total BTEX	
880-22702-57	S-14 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-58	S-14 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-60	S-15 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-61	S-15 (1.5')	Total/NA	Solid	Total BTEX	
880-22702-62	S-15 (2')	Total/NA	Solid	Total BTEX	
880-22702-64	S-16 (0-1')	Total/NA	Solid	Total BTEX	
880-22702-65	S-16 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 42270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-66	S-16 (2')	Total/NA	Solid	Total BTEX	
880-22702-67	S-16 (3')	Total/NA	Solid	Total BTEX	
880-22702-68	S-16 (4')	Total/NA	Solid	Total BTEX	

Prep Batch: 42487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-23	S-4 (0-1')	Total/NA	Solid	5035	
880-22702-61	S-15 (1.5')	Total/NA	Solid	5035	
880-22702-66	S-16 (2')	Total/NA	Solid	5035	
880-22702-67	S-16 (3')	Total/NA	Solid	5035	
880-22702-68	S-16 (4')	Total/NA	Solid	5035	
MB 880-42487/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42487/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42487/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22856-A-13-C MS	Matrix Spike	Total/NA	Solid	5035	
880-22856-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 42514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42514/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42514/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42514/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3662-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-3662-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-66	S-16 (2')	Total/NA	Solid	8021B	42487
880-22702-67	S-16 (3')	Total/NA	Solid	8021B	42487
880-22702-68	S-16 (4')	Total/NA	Solid	8021B	42487
MB 880-42487/5-A	Method Blank	Total/NA	Solid	8021B	42487
LCS 880-42487/1-A	Lab Control Sample	Total/NA	Solid	8021B	42487
LCSD 880-42487/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42487
880-22856-A-13-C MS	Matrix Spike	Total/NA	Solid	8021B	42487
880-22856-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42487

Analysis Batch: 42596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-23	S-4 (0-1')	Total/NA	Solid	8021B	42487
880-22702-61	S-15 (1.5')	Total/NA	Solid	8021B	42487
MB 880-42487/5-A	Method Blank	Total/NA	Solid	8021B	42487
MB 880-42514/5-A	Method Blank	Total/NA	Solid	8021B	42514
LCS 880-42514/1-A	Lab Control Sample	Total/NA	Solid	8021B	42514
LCSD 880-42514/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42514
890-3662-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	42514
890-3662-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42514

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 41803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-7	H-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-8	H-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-9	H-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-10	H-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-11	H-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-12	H-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-13	H-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-14	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-15	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-16	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-22702-17	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-18	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-19	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-22702-20	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-41803/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41803/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41803/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22702-1 MS	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-1 MSD	H-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 41804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-22	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-22702-23	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-24	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-25	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-22702-26	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-27	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-28	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-22702-29	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-30	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-31	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-22702-32	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-33	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-34	S-7 (2')	Total/NA	Solid	8015NM Prep	
880-22702-36	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-37	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-38	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-22702-39	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-40	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-41	S-9 (2')	Total/NA	Solid	8015NM Prep	
MB 880-41804/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41804/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 41804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21 MS	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-21 MSD	S-3 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 41833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Total/NA	Solid	8015NM Prep	
880-22702-44	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-45	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-46	S-10 (2')	Total/NA	Solid	8015NM Prep	
880-22702-48	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-49	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-50	S-11 (2')	Total/NA	Solid	8015NM Prep	
880-22702-51	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-52	S-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-53	S-12 (2')	Total/NA	Solid	8015NM Prep	
880-22702-54	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-55	S-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-56	S-13 (2')	Total/NA	Solid	8015NM Prep	
880-22702-57	S-14 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-58	S-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-60	S-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-61	S-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-22702-62	S-15 (2')	Total/NA	Solid	8015NM Prep	
880-22702-64	S-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-22702-65	S-16 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-41833/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41833/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41833/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22702-42 MS	S-9 (3')	Total/NA	Solid	8015NM Prep	
880-22702-42 MSD	S-9 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 41834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-66	S-16 (2')	Total/NA	Solid	8015NM Prep	
880-22702-67	S-16 (3')	Total/NA	Solid	8015NM Prep	
MB 880-41834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22702-66 MS	S-16 (2')	Total/NA	Solid	8015NM Prep	
880-22702-66 MSD	S-16 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Total/NA	Solid	8015B NM	41833
880-22702-44	S-10 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-45	S-10 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-46	S-10 (2')	Total/NA	Solid	8015B NM	41833
880-22702-48	S-11 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-49	S-11 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-50	S-11 (2')	Total/NA	Solid	8015B NM	41833
880-22702-51	S-12 (0-1')	Total/NA	Solid	8015B NM	41833

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 41874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-52	S-12 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-53	S-12 (2')	Total/NA	Solid	8015B NM	41833
880-22702-54	S-13 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-55	S-13 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-56	S-13 (2')	Total/NA	Solid	8015B NM	41833
880-22702-57	S-14 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-58	S-14 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-60	S-15 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-61	S-15 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-62	S-15 (2')	Total/NA	Solid	8015B NM	41833
880-22702-64	S-16 (0-1')	Total/NA	Solid	8015B NM	41833
880-22702-65	S-16 (1.5')	Total/NA	Solid	8015B NM	41833
880-22702-66	S-16 (2')	Total/NA	Solid	8015B NM	41834
880-22702-67	S-16 (3')	Total/NA	Solid	8015B NM	41834
MB 880-41833/1-A	Method Blank	Total/NA	Solid	8015B NM	41833
MB 880-41834/1-A	Method Blank	Total/NA	Solid	8015B NM	41834
LCS 880-41833/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41833
LCS 880-41834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41834
LCSD 880-41833/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41833
LCSD 880-41834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41834
880-22702-42 MS	S-9 (3')	Total/NA	Solid	8015B NM	41833
880-22702-42 MSD	S-9 (3')	Total/NA	Solid	8015B NM	41833
880-22702-66 MS	S-16 (2')	Total/NA	Solid	8015B NM	41834
880-22702-66 MSD	S-16 (2')	Total/NA	Solid	8015B NM	41834

Analysis Batch: 41876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-2	H-2 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-3	H-3 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-4	H-4 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-5	H-5 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-6	H-6 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-7	H-7 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-8	H-8 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-9	H-9 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-10	H-10 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-11	H-11 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-12	H-12 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-13	H-13 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-14	S-1 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-15	S-1 (1.5')	Total/NA	Solid	8015B NM	41803
880-22702-16	S-1 (2')	Total/NA	Solid	8015B NM	41803
880-22702-17	S-2 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-18	S-2 (1.5')	Total/NA	Solid	8015B NM	41803
880-22702-19	S-2 (2')	Total/NA	Solid	8015B NM	41803
880-22702-20	S-3 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-21	S-3 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-22	S-3 (2')	Total/NA	Solid	8015B NM	41804
880-22702-23	S-4 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-24	S-4 (1.5')	Total/NA	Solid	8015B NM	41804

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 41876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-25	S-4 (2')	Total/NA	Solid	8015B NM	41804
880-22702-26	S-5 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-27	S-5 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-28	S-5 (2')	Total/NA	Solid	8015B NM	41804
880-22702-29	S-6 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-30	S-6 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-31	S-6 (2')	Total/NA	Solid	8015B NM	41804
880-22702-32	S-7 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-33	S-7 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-34	S-7 (2')	Total/NA	Solid	8015B NM	41804
880-22702-36	S-8 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-37	S-8 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-38	S-8 (2')	Total/NA	Solid	8015B NM	41804
880-22702-39	S-9 (0-1')	Total/NA	Solid	8015B NM	41804
880-22702-40	S-9 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-41	S-9 (2')	Total/NA	Solid	8015B NM	41804
MB 880-41803/1-A	Method Blank	Total/NA	Solid	8015B NM	41803
MB 880-41804/1-A	Method Blank	Total/NA	Solid	8015B NM	41804
LCS 880-41803/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41803
LCS 880-41804/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41804
LCSD 880-41803/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41803
LCSD 880-41804/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41804
880-22702-1 MS	H-1 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-1 MSD	H-1 (0-1')	Total/NA	Solid	8015B NM	41803
880-22702-21 MS	S-3 (1.5')	Total/NA	Solid	8015B NM	41804
880-22702-21 MSD	S-3 (1.5')	Total/NA	Solid	8015B NM	41804

Analysis Batch: 41950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-22702-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-22702-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-22702-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-22702-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
880-22702-6	H-6 (0-1')	Total/NA	Solid	8015 NM	
880-22702-7	H-7 (0-1')	Total/NA	Solid	8015 NM	
880-22702-8	H-8 (0-1')	Total/NA	Solid	8015 NM	
880-22702-9	H-9 (0-1')	Total/NA	Solid	8015 NM	
880-22702-10	H-10 (0-1')	Total/NA	Solid	8015 NM	
880-22702-11	H-11 (0-1')	Total/NA	Solid	8015 NM	
880-22702-12	H-12 (0-1')	Total/NA	Solid	8015 NM	
880-22702-13	H-13 (0-1')	Total/NA	Solid	8015 NM	
880-22702-14	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-22702-15	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-22702-16	S-1 (2')	Total/NA	Solid	8015 NM	
880-22702-17	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-22702-18	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-22702-19	S-2 (2')	Total/NA	Solid	8015 NM	
880-22702-20	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-22702-21	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-22702-22	S-3 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 41950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-23	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-22702-24	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-22702-25	S-4 (2')	Total/NA	Solid	8015 NM	
880-22702-26	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-22702-27	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-22702-28	S-5 (2')	Total/NA	Solid	8015 NM	
880-22702-29	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-22702-30	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-22702-31	S-6 (2')	Total/NA	Solid	8015 NM	
880-22702-32	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-22702-33	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-22702-34	S-7 (2')	Total/NA	Solid	8015 NM	
880-22702-36	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-22702-37	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-22702-38	S-8 (2')	Total/NA	Solid	8015 NM	
880-22702-39	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-22702-40	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-22702-41	S-9 (2')	Total/NA	Solid	8015 NM	
880-22702-42	S-9 (3')	Total/NA	Solid	8015 NM	
880-22702-44	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-22702-45	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-22702-46	S-10 (2')	Total/NA	Solid	8015 NM	
880-22702-48	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-22702-49	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-22702-50	S-11 (2')	Total/NA	Solid	8015 NM	
880-22702-51	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-22702-52	S-12 (1.5')	Total/NA	Solid	8015 NM	
880-22702-53	S-12 (2')	Total/NA	Solid	8015 NM	
880-22702-54	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-22702-55	S-13 (1.5')	Total/NA	Solid	8015 NM	
880-22702-56	S-13 (2')	Total/NA	Solid	8015 NM	
880-22702-57	S-14 (0-1')	Total/NA	Solid	8015 NM	
880-22702-58	S-14 (1.5')	Total/NA	Solid	8015 NM	
880-22702-60	S-15 (0-1')	Total/NA	Solid	8015 NM	
880-22702-61	S-15 (1.5')	Total/NA	Solid	8015 NM	
880-22702-62	S-15 (2')	Total/NA	Solid	8015 NM	
880-22702-64	S-16 (0-1')	Total/NA	Solid	8015 NM	
880-22702-65	S-16 (1.5')	Total/NA	Solid	8015 NM	
880-22702-66	S-16 (2')	Total/NA	Solid	8015 NM	
880-22702-67	S-16 (3')	Total/NA	Solid	8015 NM	
880-22702-68	S-16 (4')	Total/NA	Solid	8015 NM	

Analysis Batch: 42117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-68	S-16 (4')	Total/NA	Solid	8015B NM	42126
MB 880-42126/1-A	Method Blank	Total/NA	Solid	8015B NM	42126
LCS 880-42126/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42126
LCSD 880-42126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42126
890-3665-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	42126
890-3665-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42126

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 42126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-68	S-16 (4')	Total/NA	Solid	8015NM Prep	
MB 880-42126/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42126/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3665-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3665-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 41842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-66	S-16 (2')	Soluble	Solid	DI Leach	
880-22702-67	S-16 (3')	Soluble	Solid	DI Leach	
MB 880-41842/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41842/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41842/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22512-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22512-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-66	S-16 (2')	Soluble	Solid	300.0	41842
880-22702-67	S-16 (3')	Soluble	Solid	300.0	41842
MB 880-41842/1-A	Method Blank	Soluble	Solid	300.0	41842
LCS 880-41842/2-A	Lab Control Sample	Soluble	Solid	300.0	41842
LCSD 880-41842/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41842
880-22512-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	41842
880-22512-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41842

Leach Batch: 41908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-22702-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-22702-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-22702-4	H-4 (0-1')	Soluble	Solid	DI Leach	
880-22702-5	H-5 (0-1')	Soluble	Solid	DI Leach	
880-22702-6	H-6 (0-1')	Soluble	Solid	DI Leach	
880-22702-7	H-7 (0-1')	Soluble	Solid	DI Leach	
880-22702-8	H-8 (0-1')	Soluble	Solid	DI Leach	
880-22702-9	H-9 (0-1')	Soluble	Solid	DI Leach	
880-22702-10	H-10 (0-1')	Soluble	Solid	DI Leach	
880-22702-11	H-11 (0-1')	Soluble	Solid	DI Leach	
880-22702-12	H-12 (0-1')	Soluble	Solid	DI Leach	
880-22702-13	H-13 (0-1')	Soluble	Solid	DI Leach	
880-22702-14	S-1 (0-1')	Soluble	Solid	DI Leach	
880-22702-15	S-1 (1.5')	Soluble	Solid	DI Leach	
880-22702-16	S-1 (2')	Soluble	Solid	DI Leach	
880-22702-17	S-2 (0-1')	Soluble	Solid	DI Leach	
880-22702-18	S-2 (1.5')	Soluble	Solid	DI Leach	
880-22702-19	S-2 (2')	Soluble	Solid	DI Leach	
880-22702-20	S-3 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 41908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41908/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41908/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41908/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22702-1 MS	H-1 (0-1')	Soluble	Solid	DI Leach	
880-22702-1 MSD	H-1 (0-1')	Soluble	Solid	DI Leach	
880-22702-11 MS	H-11 (0-1')	Soluble	Solid	DI Leach	
880-22702-11 MSD	H-11 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 41909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21	S-3 (1.5')	Soluble	Solid	DI Leach	
880-22702-22	S-3 (2')	Soluble	Solid	DI Leach	
880-22702-23	S-4 (0-1')	Soluble	Solid	DI Leach	
880-22702-24	S-4 (1.5')	Soluble	Solid	DI Leach	
880-22702-25	S-4 (2')	Soluble	Solid	DI Leach	
880-22702-26	S-5 (0-1')	Soluble	Solid	DI Leach	
880-22702-27	S-5 (1.5')	Soluble	Solid	DI Leach	
880-22702-28	S-5 (2')	Soluble	Solid	DI Leach	
880-22702-29	S-6 (0-1')	Soluble	Solid	DI Leach	
880-22702-30	S-6 (1.5')	Soluble	Solid	DI Leach	
880-22702-31	S-6 (2')	Soluble	Solid	DI Leach	
880-22702-32	S-7 (0-1')	Soluble	Solid	DI Leach	
880-22702-33	S-7 (1.5')	Soluble	Solid	DI Leach	
880-22702-34	S-7 (2')	Soluble	Solid	DI Leach	
880-22702-36	S-8 (0-1')	Soluble	Solid	DI Leach	
880-22702-37	S-8 (1.5')	Soluble	Solid	DI Leach	
880-22702-38	S-8 (2')	Soluble	Solid	DI Leach	
880-22702-39	S-9 (0-1')	Soluble	Solid	DI Leach	
880-22702-40	S-9 (1.5')	Soluble	Solid	DI Leach	
880-22702-41	S-9 (2')	Soluble	Solid	DI Leach	
MB 880-41909/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41909/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41909/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22702-21 MS	S-3 (1.5')	Soluble	Solid	DI Leach	
880-22702-21 MSD	S-3 (1.5')	Soluble	Solid	DI Leach	
880-22702-31 MS	S-6 (2')	Soluble	Solid	DI Leach	
880-22702-31 MSD	S-6 (2')	Soluble	Solid	DI Leach	

Leach Batch: 41910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Soluble	Solid	DI Leach	
880-22702-44	S-10 (0-1')	Soluble	Solid	DI Leach	
880-22702-45	S-10 (1.5')	Soluble	Solid	DI Leach	
880-22702-46	S-10 (2')	Soluble	Solid	DI Leach	
880-22702-48	S-11 (0-1')	Soluble	Solid	DI Leach	
880-22702-49	S-11 (1.5')	Soluble	Solid	DI Leach	
880-22702-50	S-11 (2')	Soluble	Solid	DI Leach	
880-22702-51	S-12 (0-1')	Soluble	Solid	DI Leach	
880-22702-52	S-12 (1.5')	Soluble	Solid	DI Leach	
880-22702-53	S-12 (2')	Soluble	Solid	DI Leach	
880-22702-54	S-13 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 41910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-55	S-13 (1.5')	Soluble	Solid	DI Leach	
880-22702-56	S-13 (2')	Soluble	Solid	DI Leach	
880-22702-57	S-14 (0-1')	Soluble	Solid	DI Leach	
880-22702-58	S-14 (1.5')	Soluble	Solid	DI Leach	
880-22702-60	S-15 (0-1')	Soluble	Solid	DI Leach	
880-22702-61	S-15 (1.5')	Soluble	Solid	DI Leach	
880-22702-62	S-15 (2')	Soluble	Solid	DI Leach	
880-22702-64	S-16 (0-1')	Soluble	Solid	DI Leach	
880-22702-65	S-16 (1.5')	Soluble	Solid	DI Leach	
MB 880-41910/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41910/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41910/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22702-42 MS	S-9 (3')	Soluble	Solid	DI Leach	
880-22702-42 MSD	S-9 (3')	Soluble	Solid	DI Leach	
880-22702-54 MS	S-13 (0-1')	Soluble	Solid	DI Leach	
880-22702-54 MSD	S-13 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 42045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-1	H-1 (0-1')	Soluble	Solid	300.0	41908
880-22702-2	H-2 (0-1')	Soluble	Solid	300.0	41908
880-22702-3	H-3 (0-1')	Soluble	Solid	300.0	41908
880-22702-4	H-4 (0-1')	Soluble	Solid	300.0	41908
880-22702-5	H-5 (0-1')	Soluble	Solid	300.0	41908
880-22702-6	H-6 (0-1')	Soluble	Solid	300.0	41908
880-22702-7	H-7 (0-1')	Soluble	Solid	300.0	41908
880-22702-8	H-8 (0-1')	Soluble	Solid	300.0	41908
880-22702-9	H-9 (0-1')	Soluble	Solid	300.0	41908
880-22702-10	H-10 (0-1')	Soluble	Solid	300.0	41908
880-22702-11	H-11 (0-1')	Soluble	Solid	300.0	41908
880-22702-12	H-12 (0-1')	Soluble	Solid	300.0	41908
880-22702-13	H-13 (0-1')	Soluble	Solid	300.0	41908
880-22702-14	S-1 (0-1')	Soluble	Solid	300.0	41908
880-22702-15	S-1 (1.5')	Soluble	Solid	300.0	41908
880-22702-16	S-1 (2')	Soluble	Solid	300.0	41908
880-22702-17	S-2 (0-1')	Soluble	Solid	300.0	41908
880-22702-18	S-2 (1.5')	Soluble	Solid	300.0	41908
880-22702-19	S-2 (2')	Soluble	Solid	300.0	41908
880-22702-20	S-3 (0-1')	Soluble	Solid	300.0	41908
MB 880-41908/1-A	Method Blank	Soluble	Solid	300.0	41908
LCS 880-41908/2-A	Lab Control Sample	Soluble	Solid	300.0	41908
LCSD 880-41908/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41908
880-22702-1 MS	H-1 (0-1')	Soluble	Solid	300.0	41908
880-22702-1 MSD	H-1 (0-1')	Soluble	Solid	300.0	41908
880-22702-11 MS	H-11 (0-1')	Soluble	Solid	300.0	41908
880-22702-11 MSD	H-11 (0-1')	Soluble	Solid	300.0	41908

Analysis Batch: 42046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-21	S-3 (1.5')	Soluble	Solid	300.0	41909
880-22702-22	S-3 (2')	Soluble	Solid	300.0	41909

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 42046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-23	S-4 (0-1')	Soluble	Solid	300.0	41909
880-22702-24	S-4 (1.5')	Soluble	Solid	300.0	41909
880-22702-25	S-4 (2')	Soluble	Solid	300.0	41909
880-22702-26	S-5 (0-1')	Soluble	Solid	300.0	41909
880-22702-27	S-5 (1.5')	Soluble	Solid	300.0	41909
880-22702-28	S-5 (2')	Soluble	Solid	300.0	41909
880-22702-29	S-6 (0-1')	Soluble	Solid	300.0	41909
880-22702-30	S-6 (1.5')	Soluble	Solid	300.0	41909
880-22702-31	S-6 (2')	Soluble	Solid	300.0	41909
880-22702-32	S-7 (0-1')	Soluble	Solid	300.0	41909
880-22702-33	S-7 (1.5')	Soluble	Solid	300.0	41909
880-22702-34	S-7 (2')	Soluble	Solid	300.0	41909
880-22702-36	S-8 (0-1')	Soluble	Solid	300.0	41909
880-22702-37	S-8 (1.5')	Soluble	Solid	300.0	41909
880-22702-38	S-8 (2')	Soluble	Solid	300.0	41909
880-22702-39	S-9 (0-1')	Soluble	Solid	300.0	41909
880-22702-40	S-9 (1.5')	Soluble	Solid	300.0	41909
880-22702-41	S-9 (2')	Soluble	Solid	300.0	41909
MB 880-41909/1-A	Method Blank	Soluble	Solid	300.0	41909
LCS 880-41909/2-A	Lab Control Sample	Soluble	Solid	300.0	41909
LCSD 880-41909/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41909
880-22702-21 MS	S-3 (1.5')	Soluble	Solid	300.0	41909
880-22702-21 MSD	S-3 (1.5')	Soluble	Solid	300.0	41909
880-22702-31 MS	S-6 (2')	Soluble	Solid	300.0	41909
880-22702-31 MSD	S-6 (2')	Soluble	Solid	300.0	41909

Analysis Batch: 42048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42	S-9 (3')	Soluble	Solid	300.0	41910
880-22702-44	S-10 (0-1')	Soluble	Solid	300.0	41910
880-22702-45	S-10 (1.5')	Soluble	Solid	300.0	41910
880-22702-46	S-10 (2')	Soluble	Solid	300.0	41910
880-22702-48	S-11 (0-1')	Soluble	Solid	300.0	41910
880-22702-49	S-11 (1.5')	Soluble	Solid	300.0	41910
880-22702-50	S-11 (2')	Soluble	Solid	300.0	41910
880-22702-51	S-12 (0-1')	Soluble	Solid	300.0	41910
880-22702-52	S-12 (1.5')	Soluble	Solid	300.0	41910
880-22702-53	S-12 (2')	Soluble	Solid	300.0	41910
880-22702-54	S-13 (0-1')	Soluble	Solid	300.0	41910
880-22702-55	S-13 (1.5')	Soluble	Solid	300.0	41910
880-22702-56	S-13 (2')	Soluble	Solid	300.0	41910
880-22702-57	S-14 (0-1')	Soluble	Solid	300.0	41910
880-22702-58	S-14 (1.5')	Soluble	Solid	300.0	41910
880-22702-60	S-15 (0-1')	Soluble	Solid	300.0	41910
880-22702-61	S-15 (1.5')	Soluble	Solid	300.0	41910
880-22702-62	S-15 (2')	Soluble	Solid	300.0	41910
880-22702-64	S-16 (0-1')	Soluble	Solid	300.0	41910
880-22702-65	S-16 (1.5')	Soluble	Solid	300.0	41910
MB 880-41910/1-A	Method Blank	Soluble	Solid	300.0	41910
LCS 880-41910/2-A	Lab Control Sample	Soluble	Solid	300.0	41910
LCSD 880-41910/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41910

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 42048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-42 MS	S-9 (3')	Soluble	Solid	300.0	41910
880-22702-42 MSD	S-9 (3')	Soluble	Solid	300.0	41910
880-22702-54 MS	S-13 (0-1')	Soluble	Solid	300.0	41910
880-22702-54 MSD	S-13 (0-1')	Soluble	Solid	300.0	41910

Leach Batch: 42664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-68	S-16 (4')	Soluble	Solid	DI Leach	
MB 880-42664/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42664/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42664/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23083-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-23083-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-3696-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 42700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22702-68	S-16 (4')	Soluble	Solid	300.0	42664
MB 880-42664/1-A	Method Blank	Soluble	Solid	300.0	42664
LCS 880-42664/2-A	Lab Control Sample	Soluble	Solid	300.0	42664
LCSD 880-42664/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42664
880-23083-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	42664
880-23083-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	42664
890-3696-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	42664

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-1

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 12:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 11:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:09	CH	EET MID

Client Sample ID: H-2 (0-1')

Lab Sample ID: 880-22702-2

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 12:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:24	CH	EET MID

Client Sample ID: H-3 (0-1')

Lab Sample ID: 880-22702-3

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 12:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:29	CH	EET MID

Client Sample ID: H-4 (0-1')

Lab Sample ID: 880-22702-4

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 13:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:34	CH	EET MID

Client Sample ID: H-5 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 13:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 14:12	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:39	CH	EET MID

Client Sample ID: H-6 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 13:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 14:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:53	CH	EET MID

Client Sample ID: H-7 (0-1')

Date Collected: 12/13/22 00:00

Date Received: 12/14/22 08:48

Lab Sample ID: 880-22702-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 14:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 14:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-22702-7

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 04:58	CH	EET MID

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

Lab Sample ID: 880-22702-8

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 14:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 15:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:03	CH	EET MID

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

Lab Sample ID: 880-22702-9

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 14:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 15:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:08	CH	EET MID

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

Lab Sample ID: 880-22702-10

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 15:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 16:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:12	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-11

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 16:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 16:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:17	CH	EET MID

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

Lab Sample ID: 880-22702-12

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 16:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 17:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:32	CH	EET MID

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

Lab Sample ID: 880-22702-13

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 17:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 17:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:37	CH	EET MID

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

Lab Sample ID: 880-22702-14

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 17:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-14

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 17:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:51	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-22702-15

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 17:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 18:13	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 05:56	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22702-16

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 18:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 18:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 06:01	CH	EET MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-22702-17

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 18:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 18:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-22702-17

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 06:06	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22702-18

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 18:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 19:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 06:11	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22702-19

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 19:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 19:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 06:15	CH	EET MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-22702-20

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42094	12/17/22 15:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42128	12/19/22 19:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41803	12/14/22 11:07	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 20:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41908	12/15/22 11:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42045	12/17/22 06:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-22702-21

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 04:55	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22702-22

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 05:17	CH	EET MID

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-22702-23

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42487	12/27/22 08:59	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	42596	12/27/22 09:00	AJ	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 18:27	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	42128	12/21/22 11:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 05:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-22702-24

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/15/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 05:31	CH	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-22702-25

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 00:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 05:38	CH	EET MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-22702-26

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 00:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:00	CH	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-22702-27

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-22702-27

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 00:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:07	CH	EET MID

Client Sample ID: S-5 (2')

Lab Sample ID: 880-22702-28

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 20:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:15	CH	EET MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-22702-29

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 01:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:22	CH	EET MID

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22702-30

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 01:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22702-30

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:29	CH	EET MID

Client Sample ID: S-6 (2')

Lab Sample ID: 880-22702-31

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 22:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 02:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:36	CH	EET MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-22702-32

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 03:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 06:58	CH	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-22702-33

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 03:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2')

Lab Sample ID: 880-22702-34

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 03:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:27	CH	EET MID

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

Lab Sample ID: 880-22702-36

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 04:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:34	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-22702-37

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/18/22 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 04:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:41	CH	EET MID

Client Sample ID: S-8 (2')

Lab Sample ID: 880-22702-38

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/19/22 00:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-22702-38

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 05:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:48	CH	EET MID

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

Lab Sample ID: 880-22702-39

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	41992	12/19/22 00:58	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	42128	12/21/22 13:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 05:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 07:56	CH	EET MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-22702-40

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	41992	12/19/22 01:18	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	42128	12/21/22 13:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	41876	12/16/22 06:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 08:03	CH	EET MID

Client Sample ID: S-9 (2')

Lab Sample ID: 880-22702-41

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42095	12/17/22 15:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/19/22 00:37	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2')

Lab Sample ID: 880-22702-41

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			42270	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41804	12/14/22 11:10	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41876	12/16/22 06:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41909	12/15/22 11:08	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42046	12/19/22 08:10	CH	EET MID

Client Sample ID: S-9 (3')

Lab Sample ID: 880-22702-42

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 16:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 13:19	CH	EET MID

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

Lab Sample ID: 880-22702-44

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 17:18	SM	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	42128	12/21/22 11:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 13:33	CH	EET MID

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-22702-45

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 17:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-22702-45

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 13:37	CH	EET MID

Client Sample ID: S-10 (2')

Lab Sample ID: 880-22702-46

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 17:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 13:41	CH	EET MID

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

Lab Sample ID: 880-22702-48

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 18:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 00:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 13:46	CH	EET MID

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-22702-49

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 18:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 00:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-22702-49

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:00	CH	EET MID

Client Sample ID: S-11 (2')

Lab Sample ID: 880-22702-50

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 19:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 00:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:04	CH	EET MID

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

Lab Sample ID: 880-22702-51

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 19:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 01:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:08	CH	EET MID

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-22702-52

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 19:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 01:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-12 (2')

Lab Sample ID: 880-22702-53

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 20:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 01:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:17	CH	EET MID

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

Lab Sample ID: 880-22702-54

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 21:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 02:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:22	CH	EET MID

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-22702-55

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 21:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 03:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:35	CH	EET MID

Client Sample ID: S-13 (2')

Lab Sample ID: 880-22702-56

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 22:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-13 (2')

Lab Sample ID: 880-22702-56

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 03:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:40	CH	EET MID

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

Lab Sample ID: 880-22702-57

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 22:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 03:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:53	CH	EET MID

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-22702-58

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 22:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 04:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 14:57	CH	EET MID

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

Lab Sample ID: 880-22702-60

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	42128	12/21/22 11:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/21/22 14:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 04:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-22702-60

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 15:02	CH	EET MID

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-22702-61

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42487	12/27/22 08:59	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	42596	12/27/22 09:21	AJ	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	42128	12/21/22 12:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/21/22 14:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 05:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 15:06	CH	EET MID

Client Sample ID: S-15 (2')

Lab Sample ID: 880-22702-62

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/19/22 23:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 05:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 15:11	CH	EET MID

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-22702-64

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	42181	12/20/22 00:31	SM	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	42128	12/21/22 13:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-22702-64

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	41874	12/16/22 06:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 15:15	CH	EET MID

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-22702-65

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42096	12/17/22 16:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42181	12/20/22 00:11	SM	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	42103	12/17/22 17:17	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	42128	12/21/22 12:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/20/22 11:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/16/22 11:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41833	12/14/22 13:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/16/22 06:08	SM	EET MID
Soluble	Leach	DI Leach			495 g	50 mL	41910	12/15/22 11:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42048	12/19/22 15:20	CH	EET MID

Client Sample ID: S-16 (2')

Lab Sample ID: 880-22702-66

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42487	12/22/22 10:36	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	42587	12/24/22 17:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/26/22 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/15/22 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41834	12/14/22 13:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 11:59	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41842	12/14/22 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41879	12/15/22 11:23	CH	EET MID

Client Sample ID: S-16 (3')

Lab Sample ID: 880-22702-67

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	42487	12/22/22 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42587	12/24/22 18:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/26/22 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/15/22 16:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-22702-67

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41834	12/14/22 13:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41842	12/14/22 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41879	12/15/22 11:30	CH	EET MID

Client Sample ID: S-16 (4')

Lab Sample ID: 880-22702-68

Date Collected: 12/13/22 00:00

Matrix: Solid

Date Received: 12/14/22 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42487	12/22/22 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42587	12/24/22 18:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42270	12/26/22 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			41950	12/19/22 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42126	12/19/22 08:49	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42117	12/19/22 15:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42664	12/28/22 10:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42700	12/28/22 13:42	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22702-1	H-1 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-2	H-2 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-3	H-3 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-4	H-4 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-5	H-5 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-6	H-6 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-7	H-7 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-8	H-8 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-9	H-9 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-10	H-10 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-11	H-11 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-12	H-12 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-13	H-13 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-14	S-1 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-15	S-1 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-16	S-1 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-17	S-2 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-18	S-2 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-19	S-2 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-20	S-3 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-21	S-3 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-22	S-3 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-23	S-4 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-24	S-4 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-25	S-4 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-26	S-5 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-27	S-5 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-28	S-5 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-29	S-6 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-30	S-6 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-31	S-6 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-32	S-7 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-33	S-7 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-34	S-7 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-36	S-8 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-37	S-8 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-38	S-8 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-39	S-9 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-40	S-9 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-41	S-9 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-42	S-9 (3')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-44	S-10 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-45	S-10 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-46	S-10 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-48	S-11 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-49	S-11 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-50	S-11 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-51	S-12 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-52	S-12 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-53	S-12 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-54	S-13 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-55	S-13 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-56	S-13 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-57	S-14 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-58	S-14 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48

Sample Summary

Client: Carmona Resources
Project/Site: Red Hills 32-5 Fed Com CTB

Job ID: 880-22702-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22702-60	S-15 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-61	S-15 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-62	S-15 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-64	S-16 (0-1')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-65	S-16 (1.5')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-66	S-16 (2')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-67	S-16 (3')	Solid	12/13/22 00:00	12/14/22 08:48
880-22702-68	S-16 (4')	Solid	12/13/22 00:00	12/14/22 08:48

Chain of Custody

Work Order No: 22702

Page 1 of 7

Project Manager	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Mainfield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone:	432-813-5347	Email	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	State of Project:
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	Deliverables EDD ☐ ADAPT ☐ Other

Project Name:	Red Hills 32-5 Fed Com CTB	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST				Preservative Codes		
Project Number	1205										None NO	DI Water H ₂ O
Project Location	Lea Co. NM	Due Date	48-Hour								Cool Cool	MeOH Me
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm									HCL HC	HNO ₃ HN
PO #:											H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters				HOLD		
Received Intact:	Yes ☒ No ☐	Thermometer ID:	248								NaHSO ₄ NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor	-0.5								Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	2.3								Zn Acetate+NaOH Zn	
Total Containers:		Corrected Temperature:	2.0								NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
H-1 (0-1)	12/13/2022		X		Grab/	1	X	X	X	462
H-2 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-3 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-4 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-5 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-6 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-7 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-8 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-9 (0-1)	12/13/2022		X		Grab/	1	X	X	X	
H-10 (0-1)	12/13/2022		X		Grab/	1	X	X	X	



880-22702 Chain of Custody

Please send results to cmoehting@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		12/13/2022			

Chain of Custody

Work Order No: 122702

Project Manager	Ashton Thielke	Bill to: (if different)	Laci Llug
Company Name	Carmora Resources	Company Name	Cimrux Energy
Address:	310 West Wall Ste 415	Address:	600 N Mainfield St. Suite 600
City, State ZIP	Middland, TX 79701	City, State ZIP	Middland TX 79701
Phone:	432-813-5347	Email	laci.llug@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project.	
Reporting Level	II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other ☐

Project Name:	Red Hills 32-5 Fed Com CTB													Turn Around										Preservative Codes																																																														
Project Number	1205						☐ Routine		☒ Rush																					None	NO	DI Water- H ₂ O																																																						
Project Location	Lea Co. NM						Due Date		48-Hour																					Cool	Cool	MeOH Me																																																						
Sampler's Name	AT																													HCL HC	HC	HNO ₃ HN																																																						
PG #:									TAT starts the day received by the lab if received by 4 30pm																					H ₂ SO ₄ H ₂	H ₂	NaOH Na																																																						
SAMPLE RECEIPT												Temp Blank		Yes No		Wet Ice:		Yes No																					H ₃ PO ₄ HP	HP																																														
Received Intact:												Yes No		Thermometer ID:																									NaHSO ₄ NABIS	NABIS																																														
Cooler Custody Seals:												Yes No		N/A		Correction Factor:																							Na ₂ S ₂ O ₃ NaSO ₃	NaSO ₃																																														
Sample Custody Seals:												Yes No		N/A		Temperature Reading																							Zn Acetate+NaOH Zn	Zn																																														
Total Containers:																Corrected Temperature:																							NaOH+Ascorbic Acid SAPC	SAPC																																														
																									Parameters																													ANALYSIS REQUEST																													Preservative Codes			
																									BTEx 8021B																																																													
																									8015M (GRO + DRO + MRO)																																																													
																									Chloride 300 0																																																													
																									HOLD																																																													

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		12/13/22	2		
3			4		
5			6		

Chain of Custody

Work Order No: 22702

Page 3 of 7

Project Manager	Ashton Thielke	Bill to (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marrenfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laci.luig@colterra.com & ashton.thielke@colterra.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Red Hills 32-5 Fed Com CTB	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number	1205	☐ Routine	☒ Rush													None NO	DI Water H ₂ O				
Project Location	Lea Co. NM	Due Date	48-Hour													Cool Cool	MeOH Me				
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN				
PO #																H ₂ SO ₄ H ₂	NaOH Na				
SAMPLE RECEIPT				Temp Blank	Yes No	Wet Ice	Yes No											HOLD			
Received intact	Yes No	Thermometer ID												NaHSO ₄ NABIS							
Cooler Custody Seals	Yes No N/A	Correction Factor												Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals	Yes No N/A	Temperature Reading												Zn Acetate+NaOH Zn							
Total Containers		Corrected Temperature												NaOH+Ascorbic Acid SAPC							
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S-3 (1 5)				12/13/2022		X		Grab/	1	X	X	X									
S-3 (2)				12/13/2022		X		Grab/	1	X	X	X									
S-4 (0-1)				12/13/2022		X		Grab/	1	X	X	X									
S-4 (1 5)				12/13/2022		X		Grab/	1	X	X	X									
S-4 (2)				12/13/2022		X		Grab/	1	X	X	X									
S-5 (0-1)				12/13/2022		X		Grab/	1	X	X	X									
S-5 (1 5)				12/13/2022		X		Grab/	1	X	X	X									
S-5 (2)				12/13/2022		X		Grab/	1	X	X	X									
S-6 (0-1)				12/13/2022		X		Grab/	1	X	X	X									
S-6 (1 5)				12/13/2022		X		Grab/	1	X	X	X									

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	2	12/13/22	3	4	
5	6				

Chain of Custody

Work Order No: 22162

Page 4 of 7

Project Manager	Ashton Thielke	Bill to: (if different)	Laci Lung
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Mainfield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone:	432-813-5347	Email	laci.lung@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Red Hills 32-5 Fed Com CTB	Turn Around	☐ Routine ☒ Rush	Press. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number	1205	Due Date	48-Hour														None NO	DI Water H ₂ O					
Project Location	Lea Co. NM	TAT starts the day received by the lab if received by 4:30pm															Cool Cool	MeOH Me					
Sample's Name	AT																HCL HC	HNO ₃ HN					
PO #																	H ₂ SO ₄ H ₂	NaOH Na					
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice.	Yes No													H ₃ PO ₄ HP					
Received Intact:	Yes No	Thermometer ID.																NaHSO ₄ NABIS					
Cooler Custody Seals:	Yes No N/A	Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals:	Yes No N/A	Temperature Reading																Zn Acetate+NaOH Zn					
Total Containers:		Corrected Temperature																NaOH+Ascorbic Acid SAPC					
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B												Sample Comments	
S-6 (2)				12/13/2022		X		Grab/	1	X	X	X											
S-7 (0-1)				12/13/2022		X		Grab/	1	X	X	X											
S-7 (1 5)				12/13/2022		X		Grab/	1	X	X	X											
S-7 (2)				12/13/2022		X		Grab/	1	X	X	X											
S-7 (3)				12/13/2022		X		Grab/	1	X	X	X											
S-8 (0-1)				12/13/2022		X		Grab/	1	X	X	X											
S-8 (1 5)				12/13/2022		X		Grab/	1	X	X	X											
S-8 (2)				12/13/2022		X		Grab/	1	X	X	X											
S-9 (0-1)				12/13/2022		X		Grab/	1	X	X	X											
S-9 (1 5)				12/13/2022		X		Grab/	1	X	X	X											

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>[Signature]</i>	2 <i>[Signature]</i>	12/13/2022	3 <i>[Signature]</i>	4 <i>[Signature]</i>	
5			6		

Work Order No: 22702

Page 5 of 7

Project Manager	Ashton Thielke	Bill to (if different)	Laot Luig
Company Name:	Carmora Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Marrenfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laot.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program	UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ Superfund ☐
State of Project.	
Reporting Level II	☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other ☐

Project Name.		Red Hills 32-5 Fed Com CTB		Turn Around		ANALYSIS REQUEST										Preservative Codes		
Project Number	1205	☐ Routine	☒ Rush													None NO	DI Water H ₂ O	
Project Location	Lea Co. NM	Due Date		48-Hour												Cool Cool	MeOH Me	
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN	
PO #																	H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet Ice	Yes No													H ₃ PO ₄ HP
Received In tact:	Yes No	Thermometer ID													NaHSO ₄ NABIS			
Cooler Custody Seals.	Yes No N/A	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals.	Yes No N/A	Temperature Reading													Zn Acetate+NaOH Zn			
Total Containers.		Corrected Temperature.													NaOH+Ascorbic Acid SAPC			
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont									Sample Comments	
S-9 (2')	12/13/2022		X		Grab/	1	X	X	X									
S-9 (3')	12/13/2022		X		Grab/	1	X	X	X									
S-9 (4')	12/13/2022		X		Grab/	1	X	X	X									
S-10 (0-1')	12/13/2022		X		Grab/	1	X	X	X									Hold
S-10 (1 5')	12/13/2022		X		Grab/	1	X	X	X									
S-10 (2')	12/13/2022		X		Grab/	1	X	X	X									
S-10 (3')	12/13/2022		X		Grab/	1	X	X	X									
S-11 (0-1')	12/13/2022		X		Grab/	1	X	X	X									Hold
S-11 (1 5')	12/13/2022		X		Grab/	1	X	X	X									
S-11 (2')	12/13/2022		X		Grab/	1	X	X	X									

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		12/13/22			

Chain of Custody

Work Order No: 22702

Page 6 of 7

Project Manager: Ashton Thielke		Bill to (if different): Laci Lung	
Company Name: Camrona Resources		Company Name: Cimarex Energy	
Address: 310 West Wall Ste 415		Address: 600 N Mainfield St, Suite 600	
City, State ZIP: Midland, TX 79701		City, State ZIP: Midland, TX 79701	
Phone: 432-813-5347		Email: laci.lung@coterra.com & ashton.thielke@coterra.com	

Project Name: Red Hills 32-5 Fed Corn CTB		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes					
Project Number: 1205	☐ Routine ☒ Rush	Due Date: 48-Hour		TAT starts the day received by the lab if received by 4:30pm												None NO	DI Water H ₂ O				
Project Location: Lea Co. NM	AT														Cool Cool	MeOH Me					
Sampler's Name:															HCL HC	HNO ₃ HN					
PO #:															H ₂ SO ₄ H ₂	NaOH Na					
SAMPLE RECEIPT		Temp Blank.	Yes	No	Yes	No	Wet Ice.	Yes	No											H ₃ PO ₄ HP	
Received Intact:		Yes	No	Thermometer ID:											NaHSO ₄ NABIS						
Cooler Custody Seals:		Yes	No	N/A	Correction Factor											Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals:		Yes	No	N/A	Temperature Reading											Zn Acetate+NaOH Zn					
Total Containers				Corrected Temperature											NaOH+Ascorbic Acid SAPC						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments	
S-12 (0-1')	12/13/2022		X		Grab/	1	BTEX 8021B											
S-12 (1-5')	12/13/2022		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)											
S-12 (2')	12/13/2022		X		Grab/	1	Chloride 300 0											
S-13 (0-1')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-13 (1-5')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-13 (2')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-14 (0-1')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-14 (1-5')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-14 (2')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				
S-15 (0-1')	12/13/2022		X		Grab/	1	X	X	X	X	X	X	X	X				

Please send results to cmoehring@camronaresources.com and mcamrona@camronaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		12/13/2022			

Work Order Comments	
Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Chain of Custody

Loc: 880
22702

Work Order No: 22702

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[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22702-1

SDG Number: Lea Co, NM

Login Number: 22702**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 23, 2023

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: RED HILLS 32-5 FED COM (R.H.)

Enclosed are the results of analyses for samples received by the laboratory on 01/18/23 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 3'	H230253-01	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 2 3'	H230253-02	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 3 3'	H230253-03	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 4 3'	H230253-04	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 5 3'	H230253-05	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 6 3'	H230253-06	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 7 2'	H230253-07	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 8 2'	H230253-08	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 9 2'	H230253-09	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 10 2'	H230253-10	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 11 2'	H230253-11	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 12 1'	H230253-12	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 13 2'	H230253-13	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 14 2'	H230253-14	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 15 2'	H230253-15	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 16 2'	H230253-16	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 17 1'	H230253-17	Soil	18-Jan-23 00:00	18-Jan-23 12:55
CS - 18 1'	H230253-18	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 1 2-3'	H230253-19	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 2 2'	H230253-20	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 3 2-3'	H230253-21	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 4 3'	H230253-22	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 5 1-2'	H230253-23	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 6 1'	H230253-24	Soil	18-Jan-23 00:00	18-Jan-23 12:55
SW - 7 1-2'	H230253-25	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 1 0-1'	H230253-26	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 2 0-1'	H230253-27	Soil	18-Jan-23 00:00	18-Jan-23 12:55

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 3 0-1'	H230253-28	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 4 0-1'	H230253-29	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 5 0-1'	H230253-30	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 6 0-1'	H230253-31	Soil	18-Jan-23 00:00	18-Jan-23 12:55
BG - 7 0-1'	H230253-32	Soil	18-Jan-23 00:00	18-Jan-23 12:55

01/23/23 - Client changed the sample IDs on -01 through -18 (see COC). This is the revised report and will replace the one sent on 01/20/23.

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 1 3'
H230253-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.069		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.123		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	1.71		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	1.90		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			163 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	51.8		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	495		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	QM-07
EXT DRO >C28-C36	62.6		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 2 3'
H230253-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.065		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.121		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	1.54		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	1.72		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		159 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	60.3		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	592		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	76.4		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		103 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		139 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 3 3'
H230253-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.051		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.082		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	1.00		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	1.13		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		149 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	47.1		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	475		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	59.0		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		101 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		104 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 4 3'
H230253-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.071		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	0.915		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	0.986		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		149 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	54.2		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	681		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	85.5		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		120 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		116 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 5 3'
H230253-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.195		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.324		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	4.25		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	4.77		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		199 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	165		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	1290		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	164		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		159 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		147 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 6 3'
H230253-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.164		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.265		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	3.37		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	3.80		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		183 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	72.0		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	553		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	68.9		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		113 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		144 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 7 2'
H230253-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.116		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.193		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.51		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.82		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		172 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	165		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	1560		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	209		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		175 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		174 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 8 2'
H230253-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.066		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.147		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	1.91		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.12		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		166 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	79.7		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	836		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	105		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		118 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		117 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 9 2'
H230253-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.073		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.145		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	1.88		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.10		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		166 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	65.7		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	611		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	78.8		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane		111 %		48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		142 %		49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 10 2'
H230253-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.082		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.182		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.45		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.72		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			176 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	108		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	1230		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	154		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane			126 %	48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 11 2'
H230253-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.094		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.177		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.33		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.60		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			170 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	61.0		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
DRO >C10-C28*	517		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	70.2		10.0	mg/kg	1	3011824	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane			103 %	48.2-134		3011824	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		3011824	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 12 1'
H230253-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011836	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.053		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	0.783		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	0.836		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		148 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	30.9		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	361		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	41.6		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		89.6 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		103 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 13 2'
H230253-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.134		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.168		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.14		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.44		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		167 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	70.3		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	677		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	QM-07, QR-03
EXT DRO >C28-C36	95.6		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		78.7 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		100 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 14 2'
H230253-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.130		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.158		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.02		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.31		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		168 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	69.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	742		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	104		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		91.8 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		117 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 15 2'
H230253-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.052		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.074		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	0.982		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	1.11		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		151 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	55.8		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	719		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	97.2		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		113 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		139 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 16 2'
H230253-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.121		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.158		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.03		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.31		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		164 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	56.2		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	655		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	86.6		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		99.3 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		123 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 17 1'
H230253-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	69.7		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	13.9		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

CS - 18 1'
H230253-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			124 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.5 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.6 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 1 2-3'
H230253-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.094		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.183		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.13		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.41		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		167 %		71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	54.7		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	577		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	74.9		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		95.6 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		115 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 2 2'
H230253-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Toluene*	0.080		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Ethylbenzene*	0.172		0.050	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total Xylenes*	2.36		0.150	mg/kg	50	3011818	JH	19-Jan-23	8021B	
Total BTEX	2.61		0.300	mg/kg	50	3011818	JH	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			176 %	71.5-134		3011818	JH	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	69.5		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	880		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	119		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane			79.7 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 3 2-3'
H230253-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.242		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	0.166		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	2.78		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	3.19		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		106 %		71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	101		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	1040		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	146		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane		99.9 %		48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane		117 %		49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 4 3'
H230253-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.206		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	0.132		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	2.27		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	2.61		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	131		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	1290		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	175		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane			131 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			153 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 5 1-2'
H230253-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.268		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	0.084		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	1.66		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	2.01		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	53.8		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	635		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	93.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane			74.5 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.2 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 6 1'
H230253-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.331		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	0.098		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	1.76		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	2.19		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	74.8		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	893		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	125		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane			118 %	48.2-134		3011825	MS	18-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			138 %	49.1-148		3011825	MS	18-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

SW - 7 1-2'
H230253-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.208		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 3011820 JH/ 19-Jan-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane 78.7 % 48.2-134 3011825 MS 18-Jan-23 8015B

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148 3011825 MS 18-Jan-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 1 0-1'
H230253-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.229		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 3011820 JH/ 19-Jan-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	18-Jan-23	8015B	

Surrogate: 1-Chlorooctane 106 % 48.2-134 3011825 MS 18-Jan-23 8015B

Surrogate: 1-Chlorooctadecane 122 % 49.1-148 3011825 MS 18-Jan-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 2 0-1'
H230253-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.163		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
DRO >C10-C28*	80.5		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	19.2		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3011825	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	49.1-148		3011825	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 3 0-1'
H230253-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.129		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
DRO >C10-C28*	15.2		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane			115 %	48.2-134		3011825	MS	19-Jan-23	8015B	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		3011825	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 4 0-1'
H230253-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.121		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134 3011820 JH/ 19-Jan-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane 56.3 % 48.2-134 3011825 MS 19-Jan-23 8015B

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148 3011825 MS 19-Jan-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 5 0-1'
H230253-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.138		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3011820 JH/ 19-Jan-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
DRO >C10-C28*	12.4		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane 66.6 % 48.2-134 3011825 MS 19-Jan-23 8015B

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148 3011825 MS 19-Jan-23 8015B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 6 0-1'
H230253-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.108		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3011820	JH/	19-Jan-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
DRO >C10-C28*	11.1		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011825	MS	19-Jan-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.9 %	48.2-134		3011825	MS	19-Jan-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.7 %	49.1-148		3011825	MS	19-Jan-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

BG - 7 0-1'
H230253-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3011913	GM	19-Jan-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Toluene*	0.089		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3011820	JH/	19-Jan-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3011820	JH/	19-Jan-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3011820 JH/ 19-Jan-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3011831	MS	19-Jan-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3011831	MS	19-Jan-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3011831	MS	19-Jan-23	8015B	

Surrogate: 1-Chlorooctane 85.3 % 48.2-134 3011831 MS 19-Jan-23 8015B

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148 3011831 MS 19-Jan-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011836 - 1:4 DI Water**Blank (3011836-BLK1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Chloride	ND	16.0	mg/kg							
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LCS (3011836-BS1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (3011836-BSD1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Chloride	384	16.0	mg/kg	400		96.0	80-120	8.00	20	
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Batch 3011913 - 1:4 DI Water**Blank (3011913-BLK1)**

Prepared & Analyzed: 19-Jan-23

Chloride	ND	16.0	mg/kg							
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LCS (3011913-BS1)

Prepared & Analyzed: 19-Jan-23

Chloride	448	16.0	mg/kg	400		112	80-120			
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LCS Dup (3011913-BSD1)

Prepared & Analyzed: 19-Jan-23

Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
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Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011818 - Volatiles**Blank (3011818-BLK1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0622		mg/kg	0.0500		124	71.5-134			

LCS (3011818-BS1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	2.02	0.050	mg/kg	2.00		101	81.4-118			
Toluene	2.20	0.050	mg/kg	2.00		110	88.7-121			
Ethylbenzene	2.11	0.050	mg/kg	2.00		105	86.1-120			
m,p-Xylene	4.40	0.100	mg/kg	4.00		110	88.2-124			
o-Xylene	2.13	0.050	mg/kg	2.00		107	84.9-118			
Total Xylenes	6.53	0.150	mg/kg	6.00		109	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0598		mg/kg	0.0500		120	71.5-134			

LCS Dup (3011818-BSD1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	2.03	0.050	mg/kg	2.00		102	81.4-118	0.649	15.8	
Toluene	2.20	0.050	mg/kg	2.00		110	88.7-121	0.0820	15.9	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	86.1-120	0.833	16	
m,p-Xylene	4.43	0.100	mg/kg	4.00		111	88.2-124	0.654	16.2	
o-Xylene	2.15	0.050	mg/kg	2.00		108	84.9-118	0.787	16.7	
Total Xylenes	6.58	0.150	mg/kg	6.00		110	87.3-122	0.698	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0591		mg/kg	0.0500		118	71.5-134			

Batch 3011820 - Volatiles**Blank (3011820-BLK1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011820 - Volatiles**Blank (3011820-BLK1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

LCS (3011820-BS1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	2.11	0.050	mg/kg	2.00		105	81.4-118			
Toluene	2.16	0.050	mg/kg	2.00		108	88.7-121			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	86.1-120			
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	88.2-124			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118			
Total Xylenes	6.34	0.150	mg/kg	6.00		106	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

LCS Dup (3011820-BSD1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

Benzene	2.13	0.050	mg/kg	2.00		106	81.4-118	0.885	15.8	
Toluene	2.10	0.050	mg/kg	2.00		105	88.7-121	2.84	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	86.1-120	2.71	16	
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	88.2-124	2.50	16.2	
o-Xylene	1.99	0.050	mg/kg	2.00		99.6	84.9-118	2.18	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	87.3-122	2.40	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.9	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011824 - General Prep - Organics**Blank (3011824-BLK1)**

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.4	48.2-134		
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	49.1-148		

LCS (3011824-BS1)

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	217	10.0	mg/kg	200		108	78.5-124		
DRO >C10-C28	202	10.0	mg/kg	200		101	72.5-126		
Total TPH C6-C28	418	10.0	mg/kg	400		105	77.6-123		
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	48.2-134		
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	49.1-148		

LCS Dup (3011824-BSD1)

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	231	10.0	mg/kg	200		115	78.5-124	6.36	17.7
DRO >C10-C28	205	10.0	mg/kg	200		102	72.5-126	1.37	21
Total TPH C6-C28	435	10.0	mg/kg	400		109	77.6-123	3.98	18.5
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	48.2-134		
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148		

Batch 3011825 - General Prep - Organics**Blank (3011825-BLK1)**

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	41.7		mg/kg	50.0		83.4	48.2-134		
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.6	49.1-148		

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Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011825 - General Prep - Organics**LCS (3011825-BS1)**

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	202	10.0	mg/kg	200		101	78.5-124		
DRO >C10-C28	194	10.0	mg/kg	200		97.1	72.5-126		
Total TPH C6-C28	396	10.0	mg/kg	400		99.0	77.6-123		
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.0		94.8	48.2-134		
Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	49.1-148		

LCS Dup (3011825-BS1)

Prepared & Analyzed: 18-Jan-23

GRO C6-C10	212	10.0	mg/kg	200		106	78.5-124	5.12	17.7
DRO >C10-C28	200	10.0	mg/kg	200		99.9	72.5-126	2.81	21
Total TPH C6-C28	412	10.0	mg/kg	400		103	77.6-123	3.99	18.5
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.0	48.2-134		
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	49.1-148		

Batch 3011831 - General Prep - Organics**Blank (3011831-BLK1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0		90.2	48.2-134		
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	49.1-148		

LCS (3011831-BS1)

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

GRO C6-C10	190	10.0	mg/kg	200		95.1	78.5-124		
DRO >C10-C28	205	10.0	mg/kg	200		102	72.5-126		
Total TPH C6-C28	395	10.0	mg/kg	400		98.8	77.6-123		
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	48.2-134		
Surrogate: 1-Chlorooctadecane	51.7		mg/kg	50.0		103	49.1-148		

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Analytical Results For:

H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS NM, 88240

Project: RED HILLS 32-5 FED COM (R.H.)
Project Number: NOT GIVEN
Project Manager: MICHAEL COLLIER
Fax To: NONE

Reported:
23-Jan-23 14:31

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011831 - General Prep - Organics**LCS Dup (3011831-BSD1)**

Prepared: 18-Jan-23 Analyzed: 19-Jan-23

GRO C6-C10	196	10.0	mg/kg	200		97.9	78.5-124	2.89	17.7	
DRO >C10-C28	183	10.0	mg/kg	200		91.7	72.5-126	11.0	21	
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	77.6-123	4.09	18.5	
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.6	48.2-134			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.5	49.1-148			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H&R Enterprises

Project Manager: Michael Collier

Address:

City: State: Zip:

Phone #: Fax #:

Project #: Project Owner: Cimarex Energy

Project Name: Red Hills 32-5 Fed Com CTB (R.H.)

Project Location: Lea County, NM

Sample Name: Roy Bell

Lab I.D.:

BILL TO

P.O. #:

Company: Cimarex Energy

Attn: Laci Lujig

Address:

City: State: Zip:

Phone #: Fax #:

Reinquinshed By: [Signature]

Date: 11-8-23

Time: 12:55

Received By: [Signature]

Date:

Time:

Observed Temp. °C: 1.6

Corrected Temp. °C: 1.0

Sample Condition: Cool ☒ Warm ☐

Checked By: [Signature]

Initials: [Signature]

REMARKS: 72-HR RUSH

* Customer Requested Sample ID changes.

Thermometer ID #113

Correction Factor -0.5°C

3 days

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Matrix: (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE 11/8/23 TIME

Matrix: BTEX TPH Chlorides



ANALYSIS REQUEST

1/23/23



ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



ANALYSIS REQUEST

Company Name: H&R Enterprises						BILL TO								ANALYSIS REQUEST																															
Project Manager: Michael Collier						P.O. #:																																							
Address:						Company: Cimarex Energy																																							
City:						State:						Zip:																																	
Phone #:						Fax #:						Attn: Laci Luig																																	
Project #:						Project Owner: Cimarex Energy						Address:																																	
Project Name: Red Hills 3-2 Fed Com CTB (R.H.)						City:						State:						Zip:																											
Project Location: Lea County, NM						Phone #:																																							
Sampler Name: Roy Bell						Fax #:																																							
FOR LAB USE ONLY						MATRIX						PRESERV.						SAMPLING																											
Lab I.D.						IP																																							

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Relinquished By: <i>[Signature]</i>		Date: 1-18-23		Received By: <i>[Signature]</i>		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:	
Relinquished By: <i>[Signature]</i>		Time: 1255		Received By: <i>[Signature]</i>		All Results are emailed. Please provide Email address:			
Date:		Time:		Received By:		REMARKS: 72HR RUSH <i>Pg 4 of 4</i>			
Delivered By: (Circle One) Sample - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C <i>1.6</i> <i>1.0</i>		Sample Condition Cool ☒ Intact ☒ ☐ No ☐ No		CHECKED BY: (Initials) <i>VB</i>		Thermometer ID #113 Correction Factor -0.5°C	
		Turnaround Time: ☒ Standard ☐ Rush		Cool Intact: ☐ Observed Temp. °C		Bacteria (only) Sample Condition		☐ Yes ☐ No ☐ No ☐ No Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 27, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: RED HILLS 32 - 5 FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/25/23 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BG - 8 (0-1') (H230350-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/26/2023	ND	432	108	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	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (4') (H230350-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/26/2023	ND	432	108	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	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (4') (H230350-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	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	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (4') (H230350-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (4') (H230350-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (1') (H230350-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (2') (H230350-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEx	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1') (H230350-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTEX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (1') (H230350-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (1') (H230350-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (1') (H230350-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEx	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (1') (H230350-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (1') (H230350-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTEX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (1') (H230350-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03		
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44		
Total BTX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (4') (H230350-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	0.177	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	0.095	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	0.987	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTEX	1.26	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.8	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	102	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (4') (H230350-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTEX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	197	98.5	200	13.6	
DRO >C10-C28*	14.1	10.0	01/26/2023	ND	194	97.1	200	11.0	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (4') (H230350-17)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	34.4	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (4') (H230350-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (4') (H230350-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	<0.050	0.050	01/26/2023	ND	2.19	109	2.00	1.00	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	0.303	0.150	01/26/2023	ND	6.50	108	6.00	1.44	
Total BTEX	0.303	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	84.1	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (4') (H230350-20)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.04	102	2.00	1.03	
Toluene*	0.597	0.050	01/26/2023	ND	2.19	109	2.00	1.00	QM-07
Ethylbenzene*	0.323	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	3.43	0.150	01/26/2023	ND	6.50	108	6.00	1.44	QM-07
Total BTEX	4.35	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.4	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	91.8	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (4') (H230350-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.122	0.050	01/26/2023	ND	2.17	109	2.00	3.22	GC-NC1
Toluene*	2.36	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	0.278	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	9.41	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEX	12.2	0.300	01/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	73.8	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	283	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	15.3	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (4') (H230350-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.389	0.050	01/26/2023	ND	2.17	109	2.00	3.22	GC-NC1
Toluene*	6.27	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	1.68	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	20.5	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEX	28.9	0.300	01/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	220	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	614	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	43.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (4') (H230350-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.099	0.050	01/26/2023	ND	2.17	109	2.00	3.22	GC-NC1
Toluene*	1.47	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	0.165	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	5.12	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEX	6.85	0.300	01/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-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	01/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	62.2	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	162	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (4') (H230350-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.17	109	2.00	3.22	
Toluene*	0.800	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	0.086	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	3.03	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEx	3.92	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/26/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	74.4	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	245	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	11.6	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (4') (H230350-25)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.222	0.050	01/26/2023	ND	2.17	109	2.00	3.22	GC-NC1
Toluene*	3.57	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	0.418	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	14.4	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEX	18.7	0.300	01/26/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/26/2023	ND	448	112	400	7.41		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	397	10.0	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	1160	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	114	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 19 (2') (H230350-26)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.17	109	2.00	3.22		
Toluene*	0.101	0.050	01/26/2023	ND	2.11	105	2.00	1.16		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.06	103	2.00	0.868		
Total Xylenes*	0.207	0.150	01/26/2023	ND	6.22	104	6.00	0.187		
Total BTEX	0.308	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/26/2023	ND	448	112	400	7.41		

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	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CS - 20 (2') (H230350-27)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/26/2023	ND	2.17	109	2.00	3.22		
Toluene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.16		
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.06	103	2.00	0.868		
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.22	104	6.00	0.187		
Total BTX	<0.300	0.300	01/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/26/2023	ND	448	112	400	7.41	

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	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 01/25/2023
 Reported: 01/27/2023
 Project Name: RED HILLS 32 - 5 FED COM CTB
 Project Number: 1205
 Project Location: CIMAREX - LEA CO., NM

Sampling Date: 01/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (2') (H230350-28)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.17	109	2.00	3.22	
Toluene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.16	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.06	103	2.00	0.868	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.22	104	6.00	0.187	
Total BTEX	<0.300	0.300	01/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2023	ND	448	112	400	7.41	

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	01/26/2023	ND	186	93.0	200	3.87	
DRO >C10-C28*	<10.0	10.0	01/26/2023	ND	212	106	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/26/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H230350

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 415	Address:	600 N Martenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-5347	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Red Hills 32-5 Fed Com CTB	Turn Around		ANALYSIS REQUEST	PRESERVATIVE CODES
Project Number:	1205	☐ Routine	☒ Rush		
Project Location:	Lea Co, NM	Due Date:	48-Hour		
Sampler's Name:	AT	TAT starts the day received by the lab, if received by 4:30pm			
PO #:		Temp Blank:	Yes ☒ No ☐	Parameters	
SAMPLE RECEIPT	Received Intact:	Yes ☒ No ☐	Thermometer ID:	113	
	Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.6°C	
	Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	8.3°C	
	Total Containers:		Corrected Temperature:	7.7°C	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
BG-8 (0-1')	1/25/2023		X		Grab/Comp	1	X	X	X		
SW-1 (4')	1/25/2023		X		Comp	1	X	X	X		
SW-2 (4')	1/25/2023		X		Comp	1	X	X	X		
SW-3 (4')	1/25/2023		X		Comp	1	X	X	X		
SW-4 (4')	1/25/2023		X		Comp	1	X	X	X		
SW-6 (1')	1/25/2023		X		Comp	1	X	X	X		
SW-7 (2')	1/25/2023		X		Comp	1	X	X	X		
SW-8 (1')	1/25/2023		X		Comp	1	X	X	X		
SW-9 (1')	1/25/2023		X		Comp	1	X	X	X		
SW-10 (1')	1/25/2023		X		Comp	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1-25-23 1:548			

Chain of Custody

Work Order No.:

7/230350

Page _____ of _____

Project Manager:		Ashton Thielke		Bill to: (if different)		Laci Luig		Work Order Comments															
Company Name:		Carmona Resources		Company Name:		Cimarex Energy		Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐															
Address:		310 West Wall Ste. 415		Address:		600 N Marientield St, Suite 600		State of Project:															
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701		Reporting Level I ☐ Level II ☐ Level III ☐ UST/UST ☐ RRP ☐ Level IV ☐															
Phone:		432-813-5347		Email:		laci.luig@coierra.com & ashton.thielke@coierra.com		Deliverables: EDD ☐ ADAPT ☐ Other: ☐															
Project Name:		Red Hills 32-5 Fed Com CTB		Turn Around		Pres. Code		ANALYSIS REQUEST															
Project Number:		1205		☐ Routine ☒ Rush																			
Project Location:		Lea Co, NM		Due Date:		48-Hour																	
Sampler's Name:		AT		TAT starts the day received by the lab, if received by 4:30pm																			
PO #:																							
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☐ No ☒															
Received Intact:		Yes ☒ No ☐		Thermometer ID:		113																	
Cooler Custody Seals:		Yes ☒ No ☐		Correction Factor:		-0.62																	
Sample Custody Seals:		Yes ☒ No ☐		Temperature Reading:		83.2																	
Total Containers:				Corrected Temperature:		7.72																	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont		Parameters									
SW-11 (1')		1/25/2023				X				Comp		1		BTEX 8021B									
SW-12 (1')		1/25/2023				X				Comp		1		TPH 8015M (GRO + DRO + MRO)									
SW-13 (1')		1/25/2023				X				Comp		1		Chloride 4500									
SW-14 (1')		1/25/2023				X				Comp		1											
CS-1 (4')		1/25/2023				X				Comp		1											
CS-2 (4')		1/25/2023				X				Comp		1											
CS-3 (4')		1/25/2023				X				Comp		1											
CS-4 (4')		1/25/2023				X				Comp		1											
CS-5 (4')		1/25/2023				X				Comp		1											
CS-6 (4')		1/25/2023				X				Comp		1											
Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com																							
Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time													
1		[Signature]		1-25-23 1548		2		4		6													
3																							
5																							

Chain of Custody

Work Order No. 4230350Page 3 of 3

Page 33 of 33

Project Manager:		Ashton Thielke		Bill to: (if different)		Laci Luig	
Company Name:		Carmona Resources		Company Name:		Cimarex Energy	
Address:		310 West Wall Ste. 415		Address:		600 N Martenfield St, Suite 600	
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, TX 79701	
Phone:		432-813-5347		Email:		laci.luig@coterra.com & ashton.thielke@coterra.com	

Project Name:		Red Hills 32.5 Fed Com CTB		Turn Around		Pres. Code	
Project Number:		1205		☐ Routine ☒ Rush			
Project Location:		Lea Co, NM		Due Date:		48-Hour	
Sampler's Name:		AT		TAT starts the day received by the lab, if received by 4:30pm			
PO #:							

SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Thermometer ID:		Yes ☒ No ☐		Parameters	
Received Intact:		Yes ☒ No ☐		Correction Factor:		-0.62					
Cooler Custody Seals:		Yes ☒ No ☐		Temperature Reading:		8.32					
Sample Custody Seals:		Yes ☒ No ☐		Corrected Temperature:		7.72					
Total Containers:											

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	Sample Comments
CS-7 (4')	1/25/2023		X		Comp	1	X	X	X								None: NO	DI Water: H ₂ O
CS-8 (4')	1/25/2023		X		Comp	1	X	X	X								Cool: Cool	MeOH: Me
CS-9 (4')	1/25/2023		X		Comp	1	X	X	X								HCL: HC	HNO ₃ : HN
CS-10 (4')	1/25/2023		X		Comp	1	X	X	X								H ₂ SO ₄ : H ₂	NaOH: Na
CS-11 (4')	1/25/2023		X		Comp	1	X	X	X								H ₃ PO ₄ : HP	
CS-19 (2')	1/25/2023		X		Comp	1	X	X	X								NaHSO ₄ : NABIS	
CS-20 (2')	1/25/2023		X		Comp	1	X	X	X								Na ₂ S ₂ O ₅ : NaSO ₃	
SW-5 (2')	1/25/2023		X		Comp	1	X	X	X								Zn Acetate+NaOH: Zn	
																	NaOH+Ascorbic Acid: SAPC	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		[Signature]		1-25-23 1548		2					
3						4					
5						6					

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

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

CONDITIONS

Action 193740

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 193740
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/16/2023