

### SITE INFORMATION

Closure Report
Crow Flats 16 State Com #002
Incident ID: NMLB1030934407
Eddy County, New Mexico
Unit M Sec 16 T16S R28E
32.9171333°, -104.1882935°

### **Point of Release:**

Leak developed in an unattended circulating pump

**Release Date: 10/12/10** 

Volume Released: 17 Barrels of Crude Oil Volume Recovered: 0 Barrels of Crude Oil

## CARMONA RESOURCES

Prepared for: Cimarex Energy Co. of Colorado 6001 Deauville Blvd. Suite 300N Midland, Texas 79706

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

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



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310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992 January 3, 2024

Mike Bratcher District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

**Re:** Closure Report

Crow Flats 16 State Com #002 Incident ID: NMLB1030934407 Cimarex Energy Co. of Colorado Site Location: Unit M, S16, T16S, R28E (Lat 32.9171333°, Long -104.1882935°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Crow Flats 16 State Com #002. The site is located at 32.9171333°, -104.1882935° within Unit M, S16, T16S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

### 1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on October 12, 2010, caused by an unattended circulating pump. It resulted in approximately seventeen (17) barrels of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area is located on the pad. Refer to Figure 3 for a spill overview. The initial C-141 form is attached in Appendix C

### 2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 3.31 miles Southwest of the site in S36, T16S, R27E and was drilled in 2016. The well has a reported depth to groundwater of 55' 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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

### 4.0 Initial Site Assessment Activities

On March 28, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, six (6) soil samples (S-1 through S-6) and four (4) horizontal sample points (H-1 through H-4) were advanced to depths ranging from the surface to 2.0'



below ground surface (bgs) inside the area of concern. See Figure 3A for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

### 5.0 Initial Remediation Activities

Between April 10, 2023, and April 12, 2023, 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 April 5, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1 and H-4 were excavated to a depth of 1.5 - 2.0' bgs. A total of twelve (12) confirmation floor samples (CS-1 through CS-12) and four (4) sidewall samples (SW-1 through SW-4) 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 4A/B.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

### **6.0 NMOCD Historical Work Plan Findings**

On July 25, 2023, NMOCD reviewed the remediation activities stated above, as well as internal files and it was discovered during that review that a historical work plan had been submitted on November 5, 2010. The closure reported submitted on July 25, 2023 was then denied due to impact documented in the 2010 work plan that was not assessed or remediated during the recent March and April, 2023 field activities. An extensive file search was conducted to look for any evidence of historical remediation documentation. No documentation was found of historical remediation work being conducted besides historical aerial photographs showing ground disturbance in the pasture area, which correlated to the area showing impact in the 2010 work plan.

### 7.0 Secondary Site Assessment Activities

On August 23, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts. To assess the vertical extent, six (6) additional soil samples (S-7 through S-12) were advanced to depths ranging from the surface to 2.0' below ground surface (bgs) inside the area of concern. See Figure 3B for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

The areas of S-7 through S-9 exceeded reclamation and regulatory requirements for TPH. All other sample locations were below reclamation and regulatory requirements for TPH, BTEX, and chloride.

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On November 30, 2023, Carmona Resources, LLC performed site assessment activities to investigate for any additional soil impacts in preparation for a New Mexico State Land Office reclamation work plan. To assess the vertical extent, five (5) test trenches (T-1 through T-5) were advanced to depths ranging from the surface to 4.0' below ground surface (bgs) inside the area of concern. See Figure 3C for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

The areas of T-1 through T-5 were all below the reclamation and regulatory requirements for TPH, BTEX, and chloride.

### **8.0 Secondary Remediation Activities**

Between December 1, 2023, and December 6, 2023, 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 November 29, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-7 was excavated to a depth of 2.5' bgs. The area of S-8 was excavated to a depth of 4.0' bgs. The area of S-9 was excavated to a depth of 2.0'-2.5' bgs. A total of nineteen (19) confirmation floor samples (CS-13 through CS-32) and thirteen (13) sidewall samples (SW-5 through SW-17) 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 5A/B.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 390 cubic yards of material were excavated and transported offsite for proper disposal.

### 6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. A total of 570 cubic yards of material were excavated during both remediation events. The final C-141 is attached, and Cimarex formally requests the closure of the spill. A reclamation closure report will be submitted upon completion of reclamation and reseeding activities. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

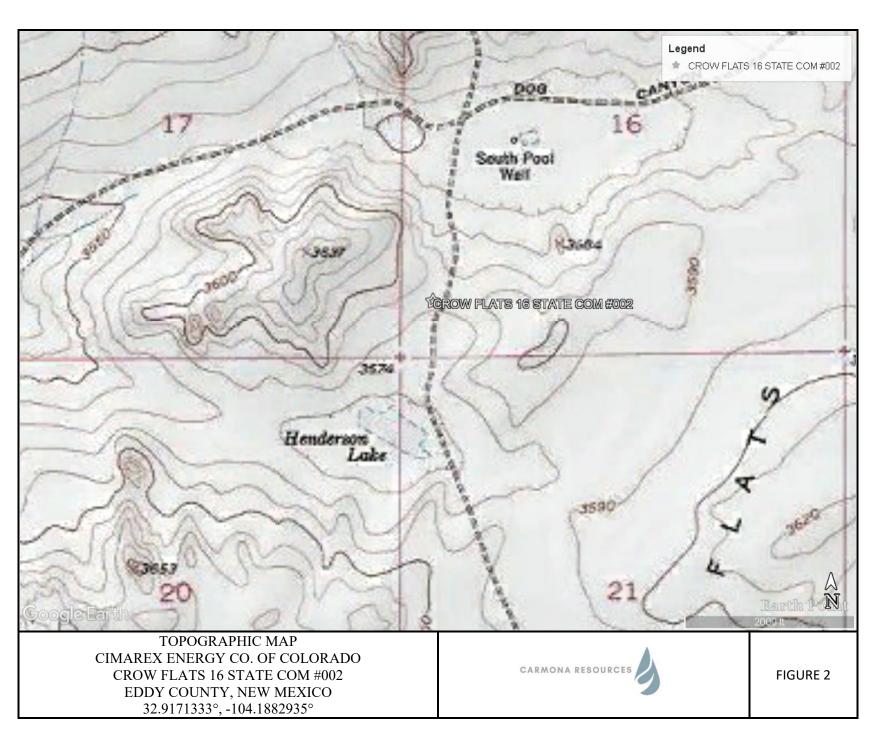
Sincerely,

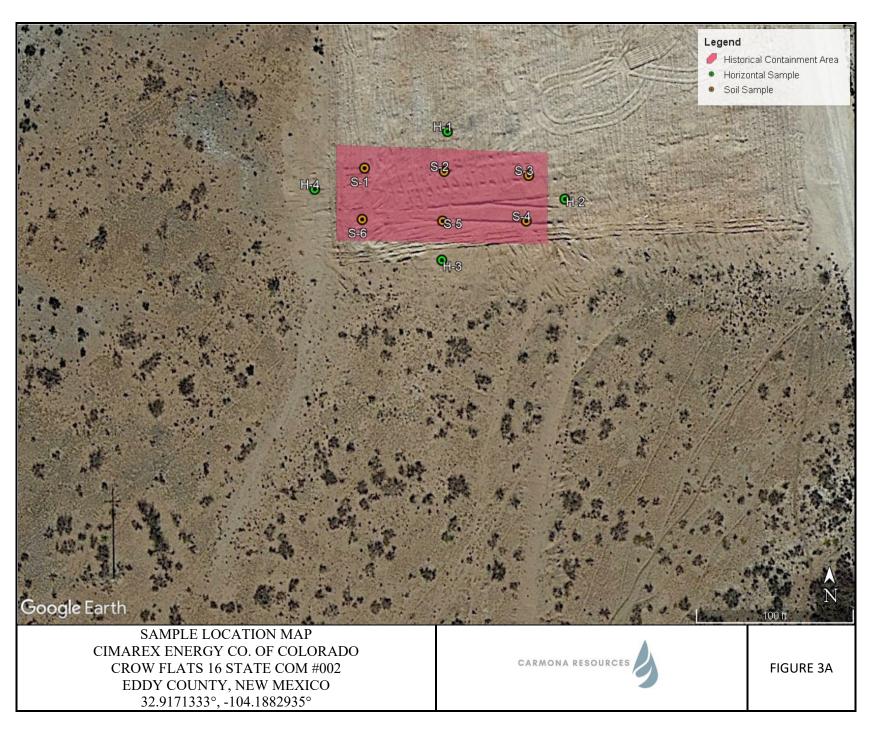
Carmona Resources, LLC

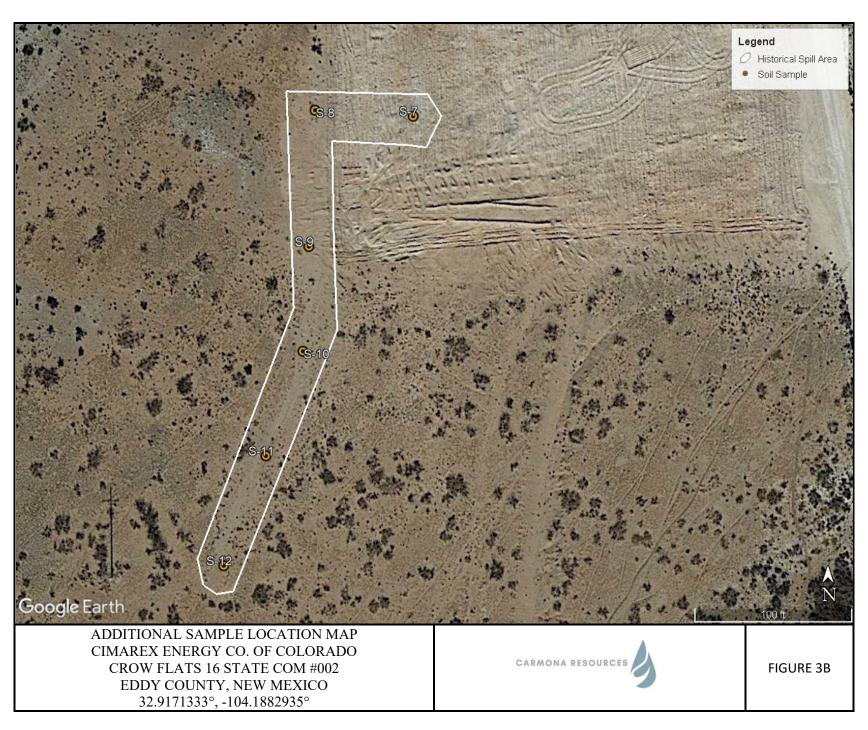
Ashton Thielke Sr. Project Manager Conner Moehring Sr. Project Manager

## **FIGURES**



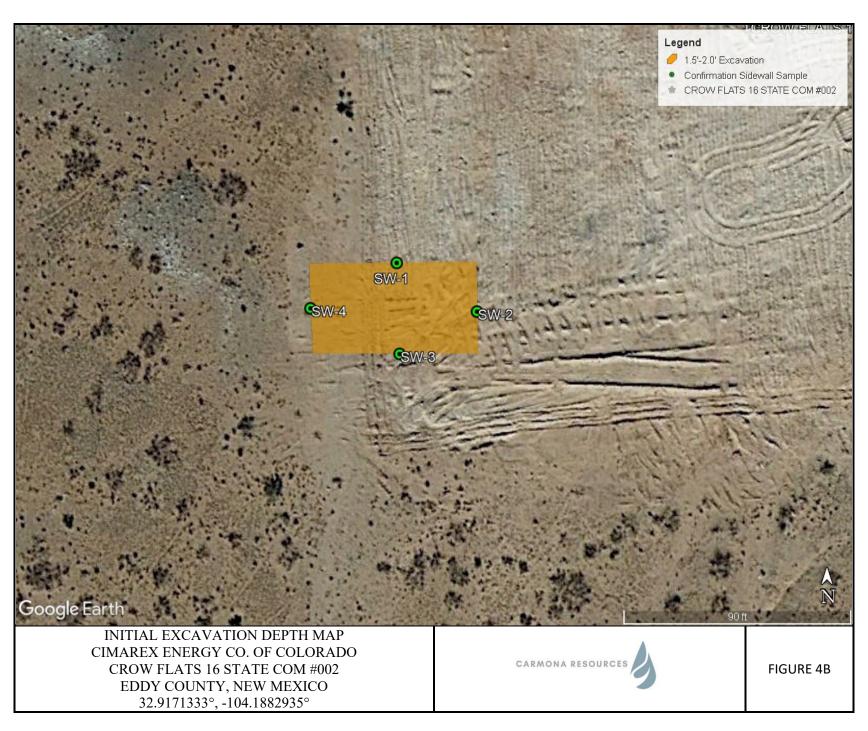


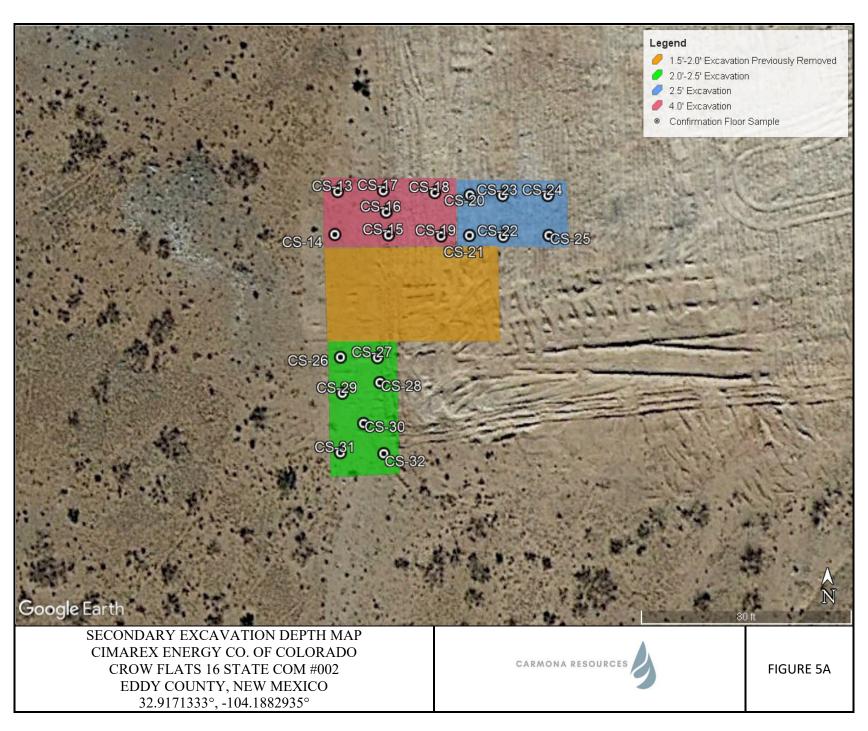


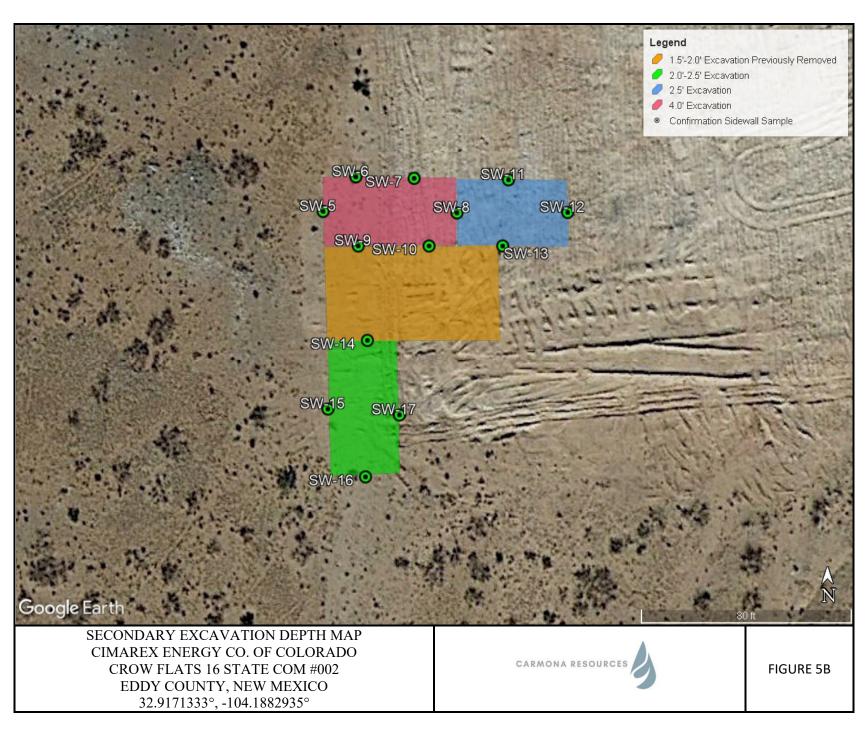












## **APPENDIX A**

Table 1 Cimarex Crow Flats 16 State Com #002 **Eddy County, New Mexico** 

Eday County, New Mexico												
Sample ID	Date	Depth (ft)		TPI	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	3/28/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
		0.25'-0.5'	<10.0	308	146	464	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-1		0.5'-1.0'	<10.0	997	381	1,378	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
		1.0'-1.5'	<10.0	403	175	578	<0.050	<0.050	< 0.050	<0.150	<0.300	32.0
		1.5'-2.0'	<10.0	12.9	<10.0	12.9	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	3/28/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	3/20/2023	0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-2		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
,		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
		1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	3/28/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
		0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
S-3		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	<u> </u>	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	3/28/2023	0-0.25'	<10.0	18.0	<10.0	18.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-4		0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
3-4		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	3/28/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
		0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-5		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	32.0
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	112
	3/28/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
S-6		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	8/23/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	114
S-7		0.25'-0.5' 0.5'-1.0'	<10.0	1,930	779	2,709	<0.050	<0.050	<0.050 <0.050	<0.150	<0.300	96.0 112
		1.0'-1.5'	<10.0 <10.0	2,010 345	678 208	2,688 553	<0.050 <0.050	<0.050 <0.050	<0.050	<0.150 <0.150	<0.300	96.0
	8/23/2023	0-0.25'	<10.0	36.4	31.6	68.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
		0.25'-0.5'	<10.0	2,090	958	3,048	<0.050	<0.050	<0.050	<0.150	<0.300	160
S-8		0.5'-1.0'	40.1	5,830	1,420	7,290	<0.050	<0.050	<0.050	<0.150	<0.300	160
		1.0'-1.5'	42.9	6,850	1,580	8,473	<0.050	<0.050	<0.050	<0.150	<0.300	160
		1.5'-2.0'	38.2	7,240	1,590	8,868	<0.050	<0.050	<0.050	<0.150	<0.300	160
	8/23/2023	0-0.25'	<10.0	330	146	476	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
		0.25'-0.5'	<10.0	3,960	1,410	5,370	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-9		0.5'-1.0'	<10.0	519	192	711	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
		1.0'-1.5'	<10.0	98.1	13.4	112	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	8/23/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-10		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	0/00/0000											
	8/23/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-11		0.25'-0.5' 0.5'-1.0'	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300	16.0 32.0
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	8/23/2023	0-0.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-12		0.25'-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
		0.5'-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
		1.0'-1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulator	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	Exceeds											

Regulatory Criteria

Exceeds
Previously Removed

(-) Not Analyzed

A Table 1 - 19,15,29 NMAC
mg/kg - milligram per klogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Soil Sample

### Table 1 Cimarex Crow Flats 16 State Com #002 **Eddy County, New Mexico**

			TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride		
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
H-1	3/28/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-2	3/28/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-3	3/28/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
H-4	3/28/2023	0-0.5'	<10.0	213	67.9	281	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulato	ry Criteria <sup>A</sup>					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

Previously Removed

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet

(H) Horizontal Sample

Table 1
Cimarex
Crow Flats 16 State Com #002
Eddy County, New Mexico

					, , , , , , , , , , , , , , , , , , ,							
0	Date	D 41- (54)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	11/30/2023	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
T-1	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	11/30/2023	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
T-2	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	"	3.0'	<10.0	53.4	13.2	66.6	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	4.0'	<10.0	41.2	<10.0	41.2	<0.050	<0.050	<0.050	<0.150	<0.300	160
	11/30/2023	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
T-3	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	11/30/2023	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
T-4	"	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	11/30/2023	0-1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
T-5	"	2.0'	<10.0	26.5	<10.0	26.5	<0.050	<0.050	<0.050	<0.150	<0.300	144
	"	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulat	Regulatory Criteria <sup>A</sup>					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
(T) Test Trench

Table 2 Cimarex Energy Co. of Colorado Crow Flats 16 State Com #002 Eddy County, New Mexico

				TPH	l (mg/kg)							
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
CS-1	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-2	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-3	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-7	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
CS-1	4/12/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-8	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-9	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
CS-12	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-13	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-14	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-15	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-17	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-18	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-19	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-20	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-21	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-22	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-23	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-24	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-25	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-26	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-27	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-28	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-29	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-30	12/4/2023	2.0'	<10.0	10.9	<10.0	10.9	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-31	12/4/2023	2.0'	<10.0	79.9	25.6	106	<0.050	<0.050	<0.050	<0.150	<0.300	112
	12/6/2023	2.0'-2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-32	12/4/2023	2.0'	<10.0	34.9	<10.0	34.9	<0.050	<0.050	<0.050	<0.150	<0.300	128
Regulato	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

Removed

(-) Not Analyzed

A Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample

Table 2
Cimarex Energy Co. of Colorado
Crow Flats 16 State Com #002
Eddy County, New Mexico

Sample ID	Dete	Danth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SW-1	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-2	4/10/2023	1.5'-2.0'	<10.0	17.4	<10.0	17.4	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	4/10/2023	1.5'-2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-6	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-7	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-8	12/4/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	12/4/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-12	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-13	12/4/2023	2.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-15	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-16	12/4/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-17	12/4/2023	2.0'	<10.0	152	101	253	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
-	12/6/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulator	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

Removed

(-) Not Analyzed

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

(SW) Sidewall Sample

## **APPENDIX B**

### PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

### Photograph No. 1

Facility: Crow Flats 16 State Com #002

County: Eddy County, New Mexico

**Description:** 

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



### Photograph No. 2

**Facility:** Crow Flats 16 State Com #002

County: Eddy County, New Mexico

**Description:** 

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



### Photograph No. 3

Facility: Crow Flats 16 State Com #002

County: Eddy County, New Mexico

Description:

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





### PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

### Photograph No. 4

Facility: Crow Flats 16 State Com #002

County: Eddy County, New Mexico

### Description:

View Southwest, area of CS-13 through CS-19 and stockpiled clean backfill material.



### Photograph No. 5

Facility: Crow Flats 16 State Com #002

County: Eddy County, New Mexico

### **Description:**

View Northwest, area of CS-20 through CS-25 and stockpiled clean backfill material.



### Photograph No. 6

Facility: Crow Flats 16 State Com #002

County: Eddy County, New Mexico

### Description:

View South, area of CS-26 through CS-32.





## **APPENDIX C**

RECEIVED

1625 N. PTERCH UT., FIORDS, NAVI 88240	of New Mex		NOV	<b>04</b> 2	010	F	orm C-141		
District II Energy Miner 1301 W. Grand Avenue, Artesia, NM 88210	als and Natura	il Resources	MOO	D 4 D	RECLA	vised Oct	ober 10, 2003		
District III Oil Con	servation Di	vision [N	MOCI	U AR	District	opies to	appropriate accordance		
District IV 1220 Sc	outh St. France	is Dr.			W	un Kuie	116 on back side of form		
Sant	Fe, NM 875								
							m in		
Name of Company-Cimarex Energy /62683	OPERAT Contact- Ra		X[	Initia	al Report		Final Report		
Address-600 N Marienfeld Ste 600, Midland Tx 79701	Telephone l	No432-296-06							
Facility Name- Crow Flats 16 State 2	e- Tank battery		······						
Surface Owner Mineral Own	er			Lease N	lo.				
	ON OF RE	· · · · · · · · · · · · · · · · · · ·							
	orth/South Line with	Feet from the 330	East/We West	est Line	County - E	Eddy			
Latitude-N32*55'01.7	Longitude-	W104*11'17.9							
	RE OF REL								
Type of Release- oil from circulating pump  Source of Release-Circulating pump	······································	Release-17 bbls  lour of Occurrence			ecovered- Hour of Disc	rovery 1	0-12-10 7		
	12-10 6 PA	MMT		РМ МТ			0 12 10 1		
Was Immediate Notice Given?  ☐ Yes ☐ No ☐ Not Requir	ed If YES, To	Whom?							
By Whom?	Date and I								
Was a Watercourse Reached?  ☐ Yes X☐ No	If YES, Vo	lume Impacting th	he Watero	course.					
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.*	1 1 1 5								
Problem was the circulating pump was left unattended and a leak had of to pick up fluids and no tracks were available. Will work w/ Safety So	leveloped. Pump lutions to inspect	wasn't inside the	submit a	und the ta recomme	nk battery. ( ndation for (	Called 10 delineati	or a truck		
recovery.									
Describe Area Affected and Cleanup Action Taken.*	*****								
Oil had leaked out of the circulating pump and onto the location pad. A will respond to this and we will be coordinating the action to take on cl	all the oil is suppo	osedly contained o	on the pad	l, none of	f the pad site	. Safety	Solutions ven to the		
correct government agency for approval.	conning up mis ic	akage. At willen	epon una	a reconn	nendation w	in or giv	ich to the		
I hereby certify that the information given above is true and complete to	o the hest of my	knowledge and un	derstand	that nursu	ant to NMC	OD rule	e and		
regulations all operators are required to report and/or file certain release	e notifications an	d perform correcti	ive action	s for relea	ases which n	nay enda	inger		
public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed	the NMOCD ma	irked as "Final Rej on that pose a threi	nt to grou	s not relie nd water,	ve the opera surface water	itor of III er, huma	ibility in health		
or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.									
rederal. same, or igent jaws into or regulations.		OIL CONS	ERVA	TION I	DIVISIO	N			
Signature: Laury/ ball				1/ /					
Printed Name: Randy Hogan	Approved by I	Dishipship Byon	MI	4 Bx	muin				
Title: Production Superintendent	Approval Date	OV 0 5 20	10 Exp	piration D	ate:				
E-mail Address: rhogan@cimarex.com	Conditions of				Attached	П			
Date: 10-13-10 Phone: 432-296-0618	REMEDIAT	ION per OCD	Rules	and	Attached				
(6	iuidelines. <u>S</u> i	<u>UBMIT REME</u>	DIATIC	<u>N</u>	$\overline{}$	Q D	1///		
-	DODOCAL D	1. 12/5/2	010		$\propto t$	7 (	- 401		

### \*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*\*

Location of spill: nMLB1030934407 - Crow Flats 16 State Com #002	Date of Spill:	10/12/2010
If the leak/spill is associated with production eq	uipment, i.e wellhead, stuffin	g box,
flowline, tank battery, production vessel, transfer	pump, or storage tank place an "X	(" here:

•		*	0.		tc.are kno	wn enter the volumes here: alculations" is optional. The	OIL: 0.0000 BE above will or	-	WATER: 0.0000 BE e the calculate		lumes.	
	Total Area Ca	culations				S	Standing Li	quid	Calculation	S		
Total Surface Area	width	length	we	t soil depth	oil (%)	Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	340 ft X	14 ft	X	2 in	100%	Rectangle Area #1	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #2	<pre>0 ft X</pre>	0 ft 2	X	0 in	0%	Rectangle Area #2	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #3	<pre>0 ft X</pre>	0 ft 2	X	0 in	0%	Rectangle Area #3	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #4	0 ft X	0 ft 2	Χ	0 in	0%	Rectangle Area #4	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #5	0 ft X	0 ft	X	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #6	0 ft X	0 ft	X	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #7	0 ft X	0 ft	X	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #8	0 ft X	0 ft 2	X	0 in	0%	Rectangle Area #8	0 ft	Χ	0 ft	Χ	0 in	0%

Input Data:

Saturated Soil Volun	ne Calculations:	<u>H2O</u>	<u>OIL</u>	Free Liquid Volu	me Calculations:	<u>H2O</u>	<u>OIL</u>
Total Solid/Liquid Volume:	4,760 sq. ft.	cu. ft.	674 cu. ft.	Total Free Liquid Volume:	sq. ft.	.000 cu. ft.	.000 cu. ft.
Estimated Volumes S	pilled			Estimated Production V	olumes Lost		
	id in Soil: ee Liquid:	<u>H2O</u> 0.0 BBL <u>0.0</u> BBL	<u>OIL</u> 16.8 BBL <u>0.0</u> BBL	Estimated Production	on Spilled:	H2O 0.000000 BBL	OIL 0.000000 BBL
	Totals:	0.000 BBL	16.813 BBL	Estimated Surface I Surface Area:	Damage 4,760 sq. ft.		
Total Liquid Sp	ill Liquid:	0.000 BBL	16.813 BBL	Surface Area:	.1093 acre		
Recovered Volum	<u>es</u>			Estimated Weights, an	d Volumes		
Estimated oil recovered:	0.0 BBL	check - c	* · · · · · · · · · · · · · · · · · · ·	Saturated Soil =	75,525 lbs	674 cu.ft.	25 cu.yds.
stimated water recovered:	0.0 BBL	check - c	okay	Total Liquid =	17 BBL	706.16 gallon	5,875 lbs

Received by OCD: 1/3/2024 11:40:51 AM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

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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?		
Did the release impact areas <b>not</b> 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.

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Incident ID		
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Printed Name:  Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 1/3/2024 11:40:51 AM Form C-141 State of New Mexico
Page 6 Oil Conservation Division

	Page 30 of 21	6
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:			
Signature: \( \lambda \alpha' \)	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by:	Date:		
Printed Name:	Title:		

### **Ashton Thielke**

From: Ashton Thielke

Sent: Wednesday, April 5, 2023 4:34 PM

To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov); OCD.Enviro@state.nm.us

Cc: Laci Luig

Subject: NAB1617627149 & nMLB1030934407 - Crow Flats 16 State #2 (Confirmation Sampling

Notification)

This new email serves as 48 hr. notification for confirmation sampling on the above mentioned site.

Sampling is scheduled to begin as early as 10:00 (MST) April 10, 2023, weather and soil conditions permitting.

Incident ID: NAB1617627149 & nMLB1030934407

Coordinates: 32.9171333,-104.1882935

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | <u>ashton.thielke@coterra.com</u> | <u>www.coterra.com</u>

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.

### **Ashton Thielke**

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, November 29, 2023 5:13 PM

**To:** Ashton Thielke

Cc: Laci Luig; Hall, Brittany, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] NMLB1030934407 - CROW FLATS 16 STATE COM #002 - Sampling

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.

Hi Ashton,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.govhttp://www.emnrd.state.nm.us/OCD/

**From:** Ashton Thielke <Ashton.Thielke@coterra.com> **Sent:** Wednesday, November 29, 2023 4:03 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Laci Luig <Laci.Luig@coterra.com>

Subject: [EXTERNAL] NMLB1030934407 - CROW FLATS 16 STATE COM #002 - Sampling 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 CROW FLATS 16 STATE COM #002. Confirmation sampling is scheduled to begin as early as 09:00 (MST) Monday, December 4th, weather and soil conditions permitting. Carmona Resources will be onsite to collect the confirmation samples.

Coordinates: 32.9171333,-104.1882935

Thank you,



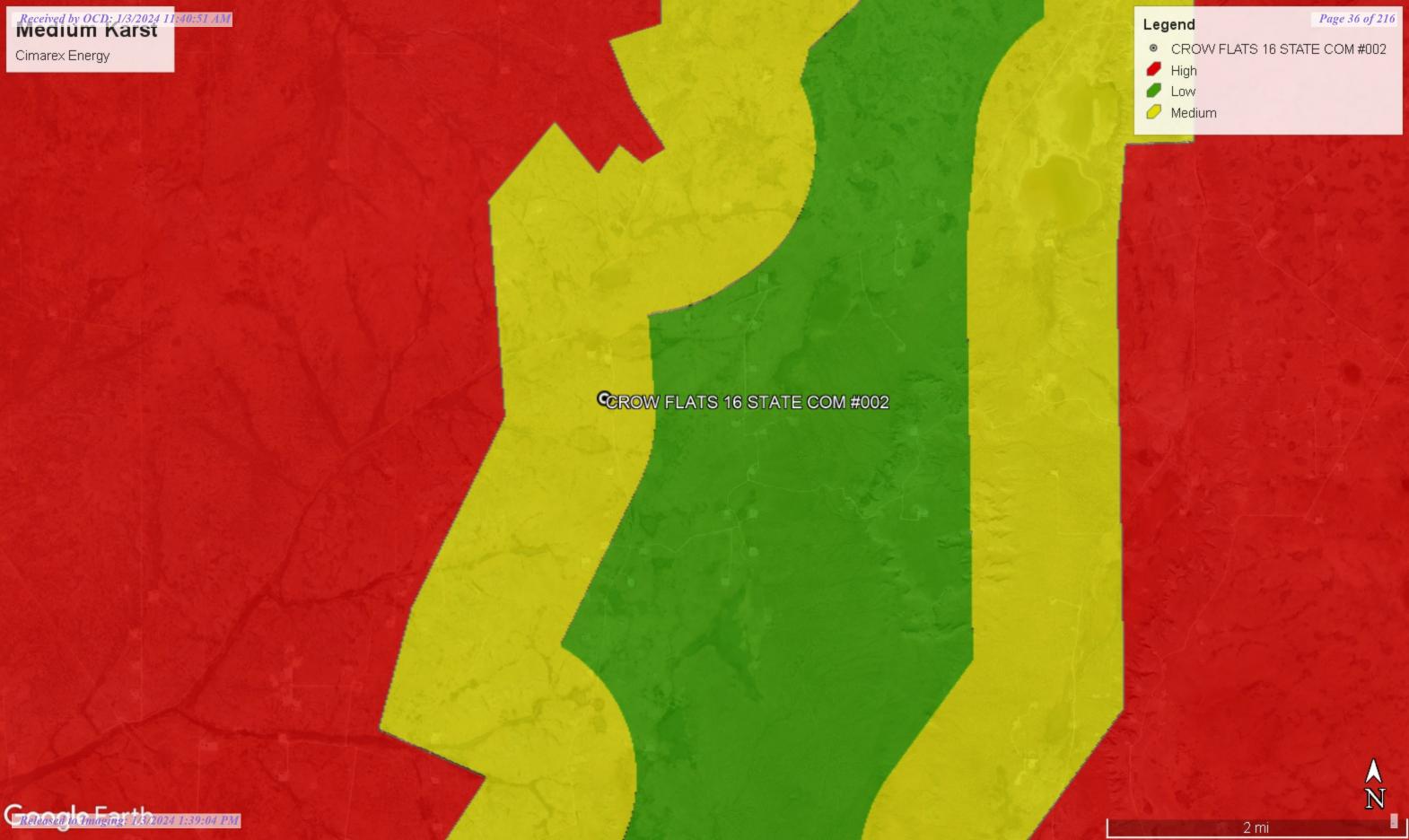
Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com
Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

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.

## **APPENDIX D**







## 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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

closed) (In feet) **POD** Sub-QQQ Depth Depth Water **POD Number** Code basin County 64 16 4 Sec Tws Rng **Distance Well Water Column** RA 12455 POD1 RA 2 1 2 36 16S 27E 571998 3638766 5325 200 55 145 RA 12299 POD1 RA 4 3 3 25 16S 28E 580832 3639215 5867 45 115

> Average Depth to Water: 62 feet

> > Minimum Depth: 55 feet

Maximum Depth: 70 feet

**Record Count: 2** 

**UTMNAD83 Radius Search (in meters):** 

Easting (X): 575898.42 Northing (Y): 3642392.2 Radius: 6000

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



## 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** 

X

RA 12455 POD1

Q64 Q16 Q4 Sec Tws Rng 16S 36

571998 3638766

**Driller License:** 1058 **Driller Company:** 

KEY'S DRILLING & PUMP SERVICE

**Driller Name:** KUEHN III, DONALD

**Drill Start Date:** 09/12/2016 **Drill Finish Date:** 

09/13/2016

**Plug Date:** 

Log File Date:

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type:** 

09/29/2016

Pipe Discharge Size:

Estimated Yield: 17 GPM

**Casing Size:** 

4.50

**Depth Well:** 

200 feet

Depth Water:

55 feet

Water Bearing Stratifications: Top **Bottom** Description

> 55 Sandstone/Gravel/Conglomerate

80 Other/Unknown 160 200 Other/Unknown

**Casing Perforations:** 

**Bottom** Top

200

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

160

4/3/23 8:29 AM

POINT OF DIVERSION SUMMARY



## 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

RA 12299 POD1

16S 25

3639215 580832

**Driller License:** 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

**Driller Name:** CLINTON KEY

09/21/2015

**Drill Finish Date:** 

Pipe Discharge Size:

**Plug Date:** 

Shallow

Log File Date: **Pump Type:** 

**Drill Start Date:** 

10/07/2015 **PCW Rcv Date:**  Source:

**Estimated Yield:** 30 GPM

**Casing Size:** 

4.50 **Depth Well:** 

115 feet

09/23/2015

Depth Water: 70 feet

Water Bearing Stratifications: Top **Bottom** Description

> 70 Sandstone/Gravel/Conglomerate 80 Shale/Mudstone/Siltstone

105 115 Other/Unknown

**Casing Perforations:** 

Top **Bottom** 95 115

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

4/3/23 8:32 AM

POINT OF DIVERSION SUMMARY



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Data Category:		Geographic Area:		
Groundwater	~	New Mexico	~	GO

#### Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

#### Search Results -- 1 sites found

Agency code = usgs site\_no list =

325638104072801

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 325638104072801 16S.28E.12.22132

Eddy County, New Mexico

Latitude 32°56'38", Longitude 104°07'28" NAD27

Land-surface elevation 3,580 feet above NGVD29

The depth of the well is 54 feet below land surface.

This well is completed in the Other aguifers (N9999OTHER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

Tab-separated data

Graph of data

Table of data

Reselect per	<u>iod</u>									
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1994-03-09	1	D	62610		3532.94	NGVD29	1	Z		
1994-03-09	1	D	62611		3534.45	NAVD88	1	Z		
1994-03-09	)	D	72019	47.06			1	Z		
1999-01-25	i	D	62610		3531.65	NGVD29	1	S	USGS	
1999-01-25		D	62611		3533.16	NAVD88	1	S	USGS	
1999-01-25	i	D	72019	48.35			1	S	USGS	
2004-02-27	•	D	62610		3530.52	NGVD29	1	S	USGS	
2004-02-27	,	D	62611		3532.03	NAVD88	1	S	USGS	
2004-02-27	•	D	72019	49.48			1	S	USGS	
2006-01-26	22:05 UTC	m	62610		3531.65	NGVD29	1	S	NM001	
2006-01-26	22:05 UTC	m	62611		3533.16	NAVD88	1	S	NM001	
2006-01-26	22:05 UTC	m	72019	48.35			1	S	NM001	
2007-02-07	,	D	62610		3531.28	NGVD29	1	S	NM001	
2007-02-07	•	D	62611		3532.79	NAVD88	1	S	NM001	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
2007-02-07		D	72019	48.72			1	S	NM001	
2008-01-23	21:05 UTC	m	62610		3531.66	NGVD29	1	S	NM001	
2008-01-23	21:05 UTC	m	62611		3533.17	NAVD88	1	S	NM001	
2008-01-23	21:05 UTC	m	72019	48.34			1	S	NM001	
2009-01-13	16:45 UTC	m	62610		3530.82	NGVD29	1	S	NM001	
2009-01-13	16:45 UTC	m	62611		3532.33	NAVD88	1	S	NM001	
2009-01-13	16:45 UTC	m	72019	49.18			1	S	NM001	

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	NM001	New Mexico State Engineers Office
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	Α	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals Help **Data Tips** Explanation of terms Subscribe for system changes **News** 

Privacy Accessibility FOIA Policies and Notices

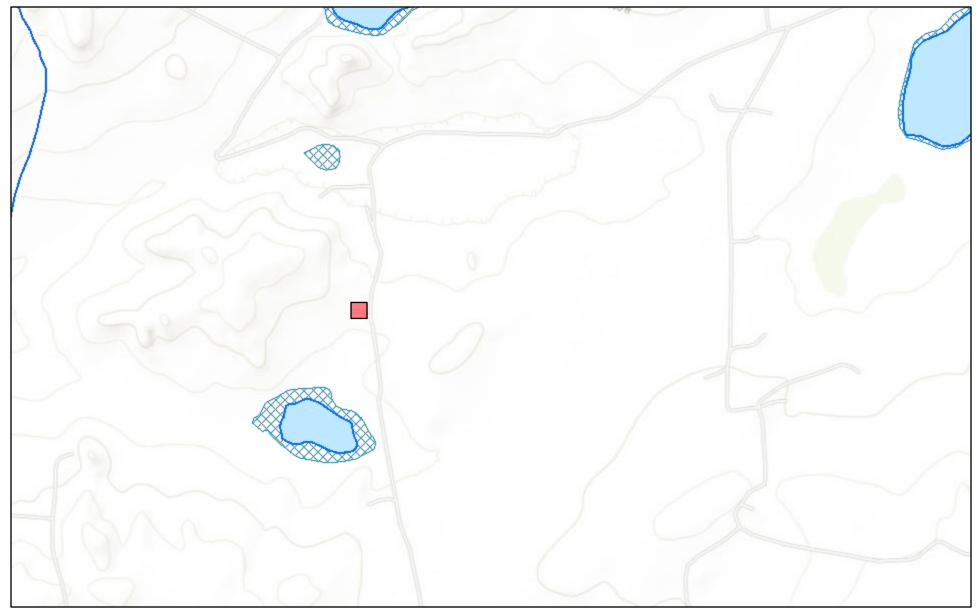
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2023-04-03 10:35:19 EDT

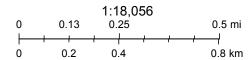
0.3 0.25 nadww02



## New Mexico NFHL Data



April 3, 2023



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

## **APPENDIX E**

# CARMONA RESOURCES



March 30, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 03/28/23 14:47.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

DTEV 0021D

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 1 (0-0.25') (H231409-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Applyand By 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 1 (0.25'-0.5') (H231409-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	308	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	146	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Applyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 1 (0.5'-1.0') (H231409-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	997	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	381	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 1 (1.0'-1.5') (H231409-04)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	403	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	175	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

03/30/2023 CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 1 (1.5'-2.0') (H231409-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.88	93.9	2.00	13.4	
Toluene*	<0.050	0.050	03/29/2023	ND	1.93	96.5	2.00	13.2	
Ethylbenzene*	< 0.050	0.050	03/29/2023	ND	1.89	94.7	2.00	13.2	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.98	99.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	12.9	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 2 (0-0.25') (H231409-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 2 (0.25'-0.5') (H231409-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 2 (0.5'-1.0') (H231409-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	70.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 2 (1.0'-1.5') (H231409-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	< 0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	66.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.7	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 2 (1.5'-2.0') (H231409-10)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 3 (0-0.25') (H231409-11)

BTEX 8021B

DILX GOZID	mg/	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	71.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 3 (0.25'-0.5') (H231409-12)

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	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	60.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 3 (0.5'-1.0') (H231409-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 3 (1.0'-1.5') (H231409-14)

RTFY 8021R

BIEX 8021B	mg/	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/29/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	71.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 3 (1.5'-2.0') (H231409-15)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	73.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.7	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 4 (0-0.25') (H231409-16)

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	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
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	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	18.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	57.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.4	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 4 (0.25'-0.5') (H231409-17)

BIEX 8021B	mg	/кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	63.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.3	% 49.1-14	8						

Applyzed By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 4 (0.5'-1.0') (H231409-18)

BTEX 8021B	mg/	'kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 4 (1.0'-1.5') (H231409-19)

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	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
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	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	67.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 5 (0-0.25') (H231409-20)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	169	84.4	200	26.2	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	181	90.7	200	21.4	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	64.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.2	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 5 (0.25'-0.5') (H231409-21)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
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	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

Applyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 5 (0.5'-1.0') (H231409-22)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 5 (1.0'-1.5') (H231409-23)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil Sampling Condition: Coo

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 6 (0-0.25') (H231409-24)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: S - 6 (0.25'-0.5') (H231409-25)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	3.31	
Toluene*	<0.050	0.050	03/29/2023	ND	2.01	100	2.00	0.556	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.02	101	2.00	0.650	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.13	102	6.00	0.174	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil Sampling Condition: Coo

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 6 (0.5'-1.0') (H231409-26)

BTEX 8021B

DIEX GOZID	ıııg,	- Kg	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.6	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

Analyzed By: JH

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Celeg D. Freene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

mg/kg

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: S - 6 (1.0'-1.5') (H231409-27)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported:

03/30/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

CIMAREX - EDDY CO, NEW MEXICO Project Location:

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: H - 1 (0-0.5') (H231409-28)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: H - 2 (0-0.5') (H231409-29)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	76.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

### Sample ID: H - 3 (0-0.5') (H231409-30)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	70.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

Analyzed By: JH

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 03/28/2023 Reported: 03/30/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 03/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: H - 4 (0-0.5') (H231409-31)

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	1.89	94.4	2.00	3.90	
Toluene*	<0.050	0.050	03/29/2023	ND	1.86	93.2	2.00	4.02	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.74	87.0	2.00	2.28	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	5.05	84.1	6.00	1.83	
Total BTEX	<0.300	0.300	03/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	188	94.1	200	7.38	
DRO >C10-C28*	213	10.0	03/29/2023	ND	179	89.3	200	5.21	
EXT DRO >C28-C36	67.9	10.0	03/29/2023	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keene



### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Action Thicke   Action Thicke   Action   Actio	Asinon Thieke   Bill to if 4, bean   Lind Lug   Programs US 77971   Cammon's Resources   Cammon's Resource   Cammo	Thicke   Bill to	Chain of Custody   Company Name:   Company N	E Palallelle		1447	83	3/48/2				-		
Ashton Thicke   Carmona Resources   Carmona	Ashton Thielike   Bill to gr & seven   Loci Ling   State   State   Commons Resources   State   State	Achten Thicks	Ashlon Thielde	ived by: (Signature)	n Rec	ne	Date/Tim				/: (Signature)	Relinquished by	,	
Action Thicke   Bills to (rd. avera)   Laci Lig	Ashton Thicke   Carmona Resources   Carmona	Ashton Thicke   Bill to gracement   Laci Luig   Commona Resources   Commona Resources   Company Name   Company Name   Commona Resources   State 415   Address   Company Name   Company N	Chain of Custody   Chain of Cu											Comments:
Carmonta Resources	Ashton Thielke   Carmona Resources   Carmona	Ashton Thielike	Ashton Thicke			1	$\parallel$	_	G	×		3/28/2023	(-2.0')	S-2 (1.5
Carmonta Resources   Carmont	Ashton Thielke   Bill to: (# d. beren)   Laci Luig   Carmona Resources   Carmona Res	Ashton Thielke	Ashton Thickke   Bill to: ## Zenery   Lacit Lug					_	G	×		3/28/2023	(-1.5')	S-2 (1.0
Ashton Thielke	Ashton Thielke   Carmonal Resources   Carmonal Re	Ashton Thielke	Achion Thickle   Bill to #4 & eveny   Company Name   Company Nam			$\vdash$		1	G	×		3/28/2023	:-1.0')	S-2 (0.5
Ashton Thielke   Carmonia Resources   Carmonia Resources   Carmonia Resources   Carmonia Resources   Carmonia Resources   Company Name: Comp	Ashton Thielke	Ashton Thielke	Ashton Thielke   Sale   Ashton Thielke   Carmona Resources   Car					1	G	×		3/28/2023	5'-0.5')	S-2 (0.2)
Ashton Thielike   Carmonia Resources	Ashton Thicke   Bill to: (rf.d. breen)	Ashton Thielke   Bill to: ## keeng   Bill to	Ashton Thielke					1	G	×		3/28/2023	0.25')	S-2 (0-
Ashton Thicke	Ashton Thielike	Ashton Thielke	Ashton Thick				$\vdash$	1	G	×	1,0	3/28/2023	(-2.0')	S-1 (1.5
Ashton Thicke   Bill to: (# 4. brenn)   Date   Da	Ashton Thielke	Ashton Thielike	Ashton Thielke					_	G	×		3/28/2023	)'-1.5')	S-1 (1.0
Ashton Thielke	Ashton Thicke   Bill to: (rd. keen)   Laci Luig   Propram: USTPST   Company Name:   Ciny State ZIP:   Midland, TX 79701   State Loom #002   Turn Around   Propram: USTPST   City State ZIP:   Midland, TX 79701   State Of Project:   Midland, TX 79701   State Discounty, New Mexico   Due Date:   Normal GPJ   Propram: USTPST   Address: EDD   Eddy County, New Mexico   Due Date:   Normal GPJ   Propram: USTPST   Address: EDD   Eddy County, New Mexico   Due Date:   Normal GPJ   Propram: USTPST   Address: EDD   Eddy County Normal GPJ   Propram: USTPST   ANALYSIS REQUEST   Propram: USTPST   ANALYSIS REQUEST   Propram: USTPST	Ashton Thicke   Bill to: (rf 4- kmert)   Laci Luig	Ashton Thielike					_	G	×		3/28/2023	(-1.0')	S-1 (0.5
Ashlon Thielke   Bill to: (rd. kewn)   Laci Luig   Freshold St, Suite 600   Project:   State of Project:	Ashton Thielke	Ashton Thicke   Bill to: (#d./memt)   Laci Luig   Cammona Resources   Company Name: Company Luig   Cammona Resources   Company Name: Company Name: Company Luig   Company Name: Compan	Ashton Thielke					1	G	×		3/28/2023	5'-0.5')	S-1 (0.2
Ashlon Thielike	Ashton Thielke	Ashton Thielke    Bill to: grd_kerenty    Laci Luig    Companny Name:   Cimarex Energy   Company, Name:   Cimarex Energy   State State of Project   City, State ZIP:   Midland, TX 79701   State of Project   City, State ZIP:   Midland, TX 79701   State of Project   City, State ZIP:   Midland, TX 79701   State of Project   City, State ZIP:   Midland, TX 79701   State of Project   City State ZIP:   Midland, TX 79701   State of Project   City State ZIP:   Midland, TX 79701   State of Project   City State ZIP:   Midland, TX 79701   State of Project   City State ZIP:   Midland, TX 79701   State of Project   City State ZIP:   Midland, TX 79701   State of Project   City State of Project   City State ZIP:   Midland, TX 79701   State of Project   City	Ashton Thicke    Ashton Thicke   Bill to: (if d. knewt)   Laci Luig					_	G	×		3/28/2023	0.25')	S-1 (0-
Ashton Thielke	Ashton Thielke   Bill to: (if 4. brent)   Laci Luig	Ashton Thielke	Ashton Thielke    Ashton Thielke   Carmona Resources   Carmona Resources   Carmona Resources   Carmona Resources   Carmona Resources   Company Name: Company			TP		# of Cont		Soil	Time	Date	ntification	Sample Ide
Shiton Thielike   Bill to: (if cf. brent)   Laci Luig   Program: UST/PST     10 W Wall St Ste 415	## Shion Thielike   Bill to: (# d. lavent)   Laci Luig    ## Address:   Company Name:   Cimarex Energy   Program: UST/PST    ## Address:   Address:   600 N Marienfield St, Suite 600    ## State 415   Address:   600 N Marienfield St, Suite 600    ## State of Project:   Reporting: Level II □L  ## Crow Flats 16 State Corn #002   Turn Around    ## Crow Flats 16 State Corn #002   Turn Around   Code    ## ANALYSIS REQUEST    ##	Shton Thicke  Bill to: (rt.d. brent)  I aci Luig  Company Name:  Cimarex Energy  Company Name:  Cimarex Energy  Con Marienfield St, Suite 600  Marienfield St, Suite 600  Marienfield St, Suite 600  City, State ZIP:  Midland, TX 79701  Crow Flats 16 State Com #002  Crow Flats 16 State Com #002  Eddy County, New Mexico  GPJ  Temp Blank:  Yes No (N/A)  Temperature Reading:  ANALYSIS REQUEST  Code  Pres.  ANALYSIS REQUEST  Code  ANALYSIS REQUEST  ANALYSIS REQUEST	Shton Thielike  Bill to: (r/d. krem) Idland, TX 79701  Crow Flats 16 State Com #002  Eddy County, New Mexico  CPU  Temp Blank: Yes No (MA) Temperature Reading:  Temp Reading:  Temp Correction Factor: Yes No (MA) Temperature Reading:  ANALYSIS REQUEST  Eddy County Reading:  ANALYSIS REQUEST  ANALYSIS REQUEST  ANALYSIS REQUEST  Eddy County, New Mexico  Due Date: Normal  Crow Flats 6 State Com #002  Turn Around  Pees. Code  Bill to: (r/d. krem) Company Name: Comp			H 80				rature:	Corrected Tempe			otal Containers:
Sammona Resources   Bill to: (ffdbreen)   Laci Luig   Program: UST/PST [   Sammona Resources   Company Name: Cimarex Energy   Company Name: Cimarex Energy   Program: UST/PST [   State of Project: Midland, TX 79701   City, State ZIP: Midland, TX 79701   City, State ZIP: Midland, TX 79701   Crow Flats 16 State Com #002   Turn Around   Pres.   Code	Shitton Thielike   Bill to: (# d_brent)   Laci Luig	State of Project   State of Pr	Satistic Projection Flacts   State of Proje			_			1	ding:	Temperature Rea		Yes	ample Custody Sea
Shilton Thielke	Shillon Thielke	State of Project   Company Name:   Cimarex Energy   Program: UST   Company Name:   Cimarex Energy   Program: UST   Company Name:   Cimarex Energy   Program: UST   City State ZIP:   Midland, TX 79701   State of Project   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Code   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Program: UST   Crow Flats 16 State Com #002   Turn Around   Pres.   Program: UST   Crow Flats 16 State Com #002   Program: UST   Crow Flats 16 State Com #002   Program: UST   Crow Flats 415   Program: UST   Crow Flats	Shitton Thielike    Bill to: (# d_Brent)   Laci Luig					P	10,60		Correction Factor		Yes	cooler Custody Seal
Inton Thielike         Bill to: (if d. laremt)         Laci Luig         Frogram: UST/PST [           0 W Wall St Ste 415         Address:         600 N Marienfield St, Suite 600         Program: UST/PST [           2.813-8988         Email: laci.luig@coterra.com         Midland, TX 79701         State of Project:           2.813-8988         Email: laci.luig@coterra.com         Midland, TX 79701         Program: UST/PST [           Crow Flats 16 State Com #002         Turn Around         Pres.         ANALYSIS REQUEST           Eddy County, New Mexico         Due Date:         Normal         Pres.         No           GPJ         Wet toe:         (Yes) No         Bill to: (if d. laremt)         Laci Luig           Bill to: (if d. laremt)         Cimarex Energy         Program: UST/PST [         State of Project:           State of Project:         Reporting: Level II [] L         Company         Normal         Pres.         ANALYSIS REQUEST	hton Thielke    Bill to: (rf d. herent)   Laci Luig	Temp Blank:   Yes №   Wet loe:   Wes No   Medical   Yes №   Wet loe:   Yes No   Medical   Yes №   Wet loe:   Yes №   Wet loe:   Yes №   Wet loe:   Yes №   Wet loe:   Wes No	Chain of Custody         Chain of Custody         Chain of Custody         Into Thielke         Bill to: ((d. treen))       Laci Luig         Immona Resources       Company Name:       Cimarex Energy       Program: UST         Bill to: ((d. treen))       Bill to: ((d. treen))       Company Name:       Cimarex Energy       Program: UST         Bill to: ((d. treen))       Midland, TX 79701       State of Project       State of Project         2813-8988       Email:  aci, Luig (@coterra.com ashton.thielke@coterra.com       ANALYSIS REQUEST         Crow Flats 16 State Com #002       Turn Around       Pres.       ANALYSIS REQUEST         Codes			_	_	arar	7/3		Thermometer ID:		2	Received Intact
Ashton Thielke  Carmona Resources  Company Name:  Carmona Resources  Company Name:  City, State ZIP:  Midland, TX 79701  Reporting: Level II  City, State ZIP:  Midland, TX 79701  Reporting: Level II  Company Name:  Con Name:  Andrysis Request  Pres.  ANALysis Request  Company UsT/PST	# L'anager: Ashton Thielke    Ashton Thielke   Bill to: (# d'.)erent)   Laci Luig   Company Name: Climarex Energy   Climarex Energy   Climarex Energy   Program: UST/PST [ State ZIP: Midland, TX 79701   City, State ZIP: Midland, TX 79701   City, State ZIP: Midland, TX 79701   City, State ZIP: Midland, TX 79701   State of Project: Reporting: Level II	### Ashton Thielke    Carmona Resources	### Ashton Thielke    Carmona Resources   Campany Name:   Carmona Resources   Ciny, State ZIP:   Midland, TX 79701   Email:   Iaci, Luig@coterra.com ashton.thielke@coterra.com					meter		Wet Ice:	Yes No	np Blank:		SAMPLE RECE
Ashton Thielke         Bill to: (if d. lerent)         Laci Luig         Laci Luig         Program: UST/PST [           Carmona Resources         Company Name:         Cimarex Energy         Program: UST/PST [           310 W Wall St Ste 415         Address:         600 N Marienfield St, Suite 600         State of Project:           Midland, TX 79701         Midland, TX 79701         Midland, TX 79701         Reporting: Level II □L           432-813-8988         Email:  aci.luig@coterra.com ashton.thielke@coterra.com         ANALYSIS REQUEST           Crow Flats 16 State Com #002         Turn Around         Pres.         ANALYSIS REQUEST           Eddy County, New Mexico         Due Date:         Normal         Read Pres.         Read Pres.	Ashton Thielke         Bill to: (#d.:brem)         Laci Luig         Laci Luig         Program: UST/PST [           Carmona Resources         Company Name:         Cimarex Energy         Program: UST/PST [           310 W Wall St Ste 415         Address:         600 N Marienfield St, Suite 600         State of Project:           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Reporting: Level II □L           432-813-8988         Email: laci.luig@coterra.com ashton.thielke@coterra.com         ANALYSIS REQUEST           Crow Flats 16 State Com #002         Turn Around         Pres. Code         ANALYSIS REQUEST           Eddy County, New Mexico         Due Date:         Normal         ©         Normal         ©	Ashton Thielike  Ashton Thielike  Carmona Resources  Company Name:  Company Name:	Ashton Thielike			+ M		s						0#
Ashton Thielke	Ashton Thielke	Ashton Thielke	Chain of Custody           Cashton Thielke         Bill to: (# dbrewn)         Laci Luig         Laci Luig         Program: UST           Carmona Resources         Company Name:         Cimarex Energy         600 N Marienfield St, Suite 600         Program: UST           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Midland, TX 79701         Reporting: Level           432-813-8988         Email:   aci, Luig@coterra.com ashton, thielke@coterra.com ashton, thielke@c			RO)						GPJ		ampler's Name:
Ashton Thielke         Bill to: (if d., lerent)         Laci Luig         Laci Luig         Program: UST/PST [           Carmona Resources         Company Name:         Cimarex Energy         Program: UST/PST [         Program: UST/PST [           310 W Wall St Ste 415         Address:         600 N Marienfield St, Suite 600         State of Project:           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Reporting: Level III ☐L           432-813-8988         Email: laci.luig@coterra.com ashton.thielke@coterra.com         ashton.thielke@coterra.com         ANALYSIS REQUEST    ANALYSIS REQUEST	Ashton Thielke         Bill to: (if d., lerent)         Laci Luig         Program: UST/PST [           Carmona Resources         Company Name:         Cimarex Energy         Program: UST/PST [           310 W Wall St Ste 415         Address:         600 N Marienfield St, Suite 600         State of Project:           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Reporting: Level III ☐L           432-813-8988         Email:   Iaci. luig@coterra.com ashton.thielke@coterra.com         ashton.thielke@coterra.com         ANALYSIS REQUEST           Crow Flats 16 State Com #002         Turn Around         Pres.         ANALYSIS REQUEST	Ashton Thielke         Bill to: (rf d_berent)         Laci Luig         Laci Luig         Frogram: UST/I         Laci Luig         Laci Luig         Laci Luig         Program: UST/I         Laci Luig         Program: UST/I         Laci Luig         Program: UST/I         State of Project         Project         State of Project         State of Project         Reporting: Level         ANALYSIS REQUEST         ANALYSIS REQUEST           Company Name:         Company Name:         Cimarex Energy         ANALYSIS REQUEST         ANALYSIS REQUEST         ANALYSIS REQUEST	Chain of Custody           Ashton Thielike         Bill to: (if d. brewn)         Laci Luig         Laci Luig         Program: UST           Carmona Resources         Company Name:         Cimarex Energy         State of Project         State of Project         Program: UST           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Midland, TX 79701         State of Project         Reporting: Level           432-813-8988         Email: Iaci. Luig@coterra.com         ANALYSIS REQUEST         ANALYSIS REQUEST						Normal	Due Date:		County, New N	Eddy	roject Location
er: Ashton Thielke  Bill to: (rf.d.)errent)  Carmona Resources  Company Name: Cimarex Energy  Address: 600 N Marienfield St, Suite 600  Midland, TX 79701  Address: Midland, TX 79701  City, State ZIP: Midland, TX 79701  A32-813-8988  Email: Jaci.luig@coterra.com ashton.thielke@coterra.com  ANALYSIS REQUEST  ANALYSIS REQUEST	er: Ashton Thielke  Eill to: (if ct. lerrent)  Company Name: Cimarex Energy  Company Name: Cimarex Energy  State of Project:  Midland, TX 79701  Address: Midland, TX 79701  Midland, TX 79701  A32-813-8988  Email: Jaci.Luig@coterra.com ashton.thielke@coterra.com  Crow Flats 16 State Corm #002  Turn Around  Laci Luig  Company Name: Cimarex Energy  Bill to: (if ct. lerrent)  Laci Luig  Company Name: Cimarex Energy  Program: UST/PST [ State of Project:  State of Project:  Reporting: Level II [] L  Deliverables: EDD [	er. Ashton Thielke  Eill to: (if d. larent)  Ecarmona Resources  Company Name:  Cimarex Energy  Address:  Midland, TX 79701  Midland, TX 79701  Email: laci.luig@coterra.com ashton.thielke@coterra.com  Crow Flats 16 State Corn #002  Turn Around  Bill to: (if d. larent)  Company Name:  Cimarex Energy  Program: USTI  State of Project  Reporting: Level  Deliverables: E	Chain of Custody  Laci Luig  Company Name: Cimarex Energy State of Project  Midland, TX 79701  City, State ZIP: Midland, TX 79701  A32-813-8988  Crow Flats 16 State Com #002  Turn Around  Chain of Custody  Program: USTI State of Project State of Project ANALYSIS REQUEST  ANALYSIS REQUEST					Code	□ Rush	☑ Routine	,	2005		roject Number:
L'anager:     Ashton Thielke     Bill to: (if d. largent)     Laci Luig       ny Name:     Carmona Resources     Company Name:     Cimarex Energy       s:     310 W Wall St Ste 415     Address:     600 N Marienfield St, Suite 600     State of Project:       ate ZIP:     Midland, TX 79701     City, State ZIP:     Midland, TX 79701     Reporting: Level II []L       432-813-8988     Email: laci.luig@coterra.com ashton.thielke@coterra.com     Deliverables: EDD [	L'anager:     Ashton Thielke     Bill to: (if d. kerent)     Laci Luig       ny Name:     Carmona Resources     Company Name:     Cimarex Energy       s:     310 W Wall St Ste 415     Address:     600 N Marienfield St, Suite 600     State of Project:       ate ZIP:     Midland, TX 79701     City, State ZIP:     Midland, TX 79701     Reporting: Level II []L       432-813-8988     Email: laci.luig@coterra.com ashton.thielke@coterra.com     Deliverables: EDD [	L'anager:     Ashton Thielke     Bill to: (if d. herent)     Laci Luig       ny Name:     Carmona Resources     Company Name:     Cimarex Energy       s:     310 W Wall St Ste 415     Address:     600 N Marienfield St, Suite 600     Program: UST)       ate ZIP:     Midland, TX 79701     City, State ZIP:     Midland, TX 79701     Reporting: Level       432-813-8988     Email: laci.luig@coterra.com ashton.thielke@coterra.com     Deliverables: E	Chain of Custody  Chain of Custody  Chain of Custody  Chain of Custody  Laci Luig  Name: Carmona Resources Company Name: Cimarex Energy State of Project  Address: Gity, State ZIP: Midland, TX 79701  City, State ZIP: Midland, TX 79701  Email: Iaci.luig@coterra.com ashton.fhielke@coterra.com  Chain of Custody  Program: USTI  State of Project  Reporting: Level Deliverables: E	UEST	ANALYSIS REC			,	round	Turn /	om #002	ats 16 State Co	Crow FI	roject Name:
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anager:     Ashton Thielke     Bill to: (if dlerent)     Laci Luig       Name:     Carmona Resources     Company Name:     Cimarex Energy       310 W Wall St Ste 415     Address:     600 N Marienfield St, Suite 600     State of Project:	anager: Ashton Thielke  Bill to: (if d.:erent)  Laci Luig  Program: UST/PST Carmona Resources  Company Name: Cimarex Energy  Program: UST/PST 600 N Marienfield St, Suite 600  State of Project:	Ashton Thielke  Bill to: (if d.: brent)  Name: Carmona Resources  Company Name: Cimarex Energy  Program: USTI  Address: 600 N Marienfield St, Suite 600  State of Project	Ashton Thielke  Carmona Resources  Carmona Resources  310 W Wall St Ste 415  Address:  Chain of Custody  Laci Luig  Program: USTI  State of Project  State of Project			TX 79701	Midland,		City, State ZIP:			9701	Midland, TX 79	ity, State ZIP:
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	laOH: Zn	Zn Acetate+NaOH: Zn		_			CH	15M	В		38.8	iding:	Temperature Reading:	No N/A	ls: Yes	ple Custody Seals:
	SO <sub>3</sub>	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	_	×		_	nlori	( GF		00	1-0.6		Correction Factor:	No NIA	yes Yes	er Custody Seals:
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	HNO <sub>3</sub> : HN	HCL: HC						RO)						GPJ		pler's Name:
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	ier.	s: EDD ADaPT Other:	Deliverables: EDD			a.com	@coterr:	thielke	m ashton	coterra.co	laci.luig@coterra.com ashton.thielke@coterra.com	Email:			432-813-8988	ne:
_	Level IV	Reporting:Level III Level III ST/UST RRP	Reporting:L				79701	Midland, TX 79701	Midl	ZIP:	City, State ZIP			79701	Midland, TX 79701	State ZIP:
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ge 36	Work Order No: 1231407	Work Order No					
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Page4 of4  Order Comments    ST/UST   RRP   Level IV   ADaPT   Other:    Preservative Codes     None: NO DI Water: H   Cool: Cool   MeOH: Me     HCL: HC   HNO3: HN     H3PO4: H2   NaOH: Zn     NaOH+Ascoribic Acid: SAPC     Sample Comments     Date/Time			A	(Signatu		+	+	+	+	+				_						+		ibles: ED	ng:Level I	Project:	n: UST/P			_	
Page4 of4  Order Comments    ST/UST   RRP   Level IV   ADaPT   Other:    Preservative Codes     None: NO DI Water: HCL: HC     HGL: HC   HNO3: HN     H3PO4: NABIS     Nac/S2O3: NASO3     Zn Acetate+NaOH: Zn     NaOH+Ascoribic Acid: SAPC     Sample Comments     Date/Time			A.	II(e)				$\perp$												İ			Level		ST PR	Wo		Vork C	
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				Date/Time								Comments	ic Acid: SAPC	aOH: Zn	0	S		NaOH: Na	MeOH: Me	DI Water: H <sub>2</sub>	ative Codes	ň	Level IV				4 of4_	H09	



August 29, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 08/23/23 15:55.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: CROW Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 7 (0-0.25') (H234592-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

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Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 7 (0.25'-0.5') (H234592-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	175	87.5	200	5.68	
DRO >C10-C28*	1930	10.0	08/26/2023	ND	176	88.0	200	7.93	
EXT DRO >C28-C36	779	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 7 (0.5'-1.0') (H234592-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	2010	10.0	08/26/2023	ND	184	92.0	200	2.71	QM-07
EXT DRO >C28-C36	678	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.9	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Duringt Locations CIM

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 7 (1.0'-1.5') (H234592-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	345	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	208	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Celey D. Kreine



08/23/2023

Soil

### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 Sampling Type:

Sampling Date:

Project Name: CROW FLATS 16 STATE COM #002 Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

### Sample ID: S - 8 (0-0.25') (H234592-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	36.4	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	31.6	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 8 (0.25'-0.5') (H234592-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	2090	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	958	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 49.1-14	8						

Analyzed By: 14

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S-04



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### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 8 (0.5'-1.0') (H234592-07)

RTFY 8021R

Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD	BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					5-04
Toluene*         <0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 08/27/2023 ND 2.25 112 2.00 4.98  Total Xylenes* <0.150 0.150 08/27/2023 ND 6.70 112 6.00 4.16  Total BTEX <0.300 0.300 08/27/2023 ND 6.70 112 6.00 4.16  Surrogate: 4-Bromofluorobenzene (PID 147 % 71.5-134  Chloride, SM4500Cl-B mg/ky Analyzed By: AC  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 160 16.0 08/28/2023 ND 416 104 400 0.00  TPH 8015M mg/ky Analyzed By: MS  Analyte Result Reporting Limit Analyzed Wethod Blank BS % Recovery True Value QC RPD GRO C6-C10* 40.1 10.0 08/26/2023 ND 188 94.1 200 4.10  DRO >C10-C28* 5830 10.0 08/26/2023 ND 184 92.0 200 2.71  EXT DRO >C28-C36 1420 10.0 08/26/2023 ND  Surrogate: 1-Chlorooctane 94.9 % 48.2-134	Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Total Xylenes*         <0.150         0.150         08/27/2023         ND         6.70         112         6.00         4.16           Total BTEX         <0.300	Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Total BTEX         <0.300         0.300         08/27/2023         ND           Surrogate: 4-Bromofluorobenzene (PID         147 % 71.5-134           Chloride, SM4500Cl-B         mg/kg         Analyzed By: AC           Analyte         Result         Reporting Limit         Analyzed By: MS         % Recovery         True Value QC         RPD           Chloride         160         16.0         08/28/2023         ND         416         104         400         0.00           TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND         184         92.0         200         2.71	Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	GC-NC
Surrogate: 4-Bromofluorobenzene (PIE)         147 % 71.5-134           Chloride, SM4500Cl-B         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         160         16.0         08/28/2023         ND         416         104         400         0.00           TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND         184         92.0         200         2.71           Surrogate: 1-Chloroctane         94.9 %         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.2-134         48.	Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Chloride, SM4500Cl-B         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         160         16.0         08/28/2023         ND         416         104         400         0.00           TPH 8015M         mg/kg         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC         RPD           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND         ND         184         92.0         200         2.71	Total BTEX	<0.300	0.300	08/27/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  Chloride 16.0 16.0 08/28/2023 ND 416 104 400 0.00  TPH 8015M mg/kg Analyzed By: MS  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* 40.1 10.0 08/26/2023 ND 188 94.1 200 4.10  DRO >C10-C28* 5830 10.0 08/26/2023 ND 184 92.0 200 2.71  EXT DRO >C28-C36 1420 10.0 08/26/2023 ND  Surrogate: 1-Chlorooctane 94.9 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	147	% 71.5-13	4						
Chloride         160         16.0         08/28/2023         ND         416         104         400         0.00           TPH 8015M         mg/kg         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC         RPD           Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND              Surrogate: 1-Chlorooctane         94.9 %         48.2-134	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND         V </td <td>Analyte</td> <td>Result</td> <td>Reporting Limit</td> <td>Analyzed</td> <td>Method Blank</td> <td>BS</td> <td>% Recovery</td> <td>True Value QC</td> <td>RPD</td> <td>Qualifier</td>	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* 40.1 10.0 08/26/2023 ND 188 94.1 200 4.10  DRO >C10-C28* 5830 10.0 08/26/2023 ND 184 92.0 200 2.71  EXT DRO >C28-C36 1420 10.0 08/26/2023 ND  Surrogate: 1-Chlorooctane 94.9 % 48.2-134	Chloride	160	16.0	08/28/2023	ND	416	104	400	0.00	
GRO C6-C10*         40.1         10.0         08/26/2023         ND         188         94.1         200         4.10           DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND   Surrogate: 1-Chlorooctane	TPH 8015M	mg	/kg	Analyze	ed By: MS					
DRO >C10-C28*         5830         10.0         08/26/2023         ND         184         92.0         200         2.71           EXT DRO >C28-C36         1420         10.0         08/26/2023         ND   Surrogate: 1-Chlorooctane  94.9 %  48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 1420 10.0 08/26/2023 ND  Surrogate: 1-Chlorooctane 94.9 % 48.2-134	GRO C6-C10*	40.1	10.0	08/26/2023	ND	188	94.1	200	4.10	
Surrogate: 1-Chlorooctane 94.9 % 48.2-134	DRO >C10-C28*	5830	10.0	08/26/2023	ND	184	92.0	200	2.71	
	EXT DRO >C28-C36	1420	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctadecane 132 % 49.1-148	Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

Applyzod By: 14

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C-04



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: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 8 (1.0'-1.5') (H234592-08)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 08/27/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Ouglifies	
	0.050	08/27/2023			,	rrue value qe	KFD	Qualifier	
<0.050		00/2//2023	ND	1.98	98.8	2.00	2.36		
	0.050	08/27/2023	ND	2.23	111	2.00	3.00		
<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	GC-NC	
<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16		
<0.300	0.300	08/27/2023	ND						
142	% 71.5-13	4							
mg,	/kg	Analyze	d By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
160	16.0	08/28/2023	ND	416	104	400	0.00		
mg,	'kg	Analyze	d By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
42.9	10.0	08/26/2023	ND	188	94.1	200	4.10		
6850	10.0	08/26/2023	ND	184	92.0	200	2.71		
1580	10.0	08/26/2023	ND						
86.2	% 48.2-13	4							
111 9	% 49.1-14	8							
	<0.300  142 9  mg/ Result 160  mg/ Result 42.9 6850 1580	<0.300 142 % 71.5-13 mg/ky Result Reporting Limit 160 16.0 mg/ky Result Reporting Limit 42.9 10.0 6850 10.0 1580 10.0 86.2 % 48.2-13	<0.300       0.300       08/27/2023         142 %       71.5-134         Result       Reporting Limit       Analyzed         160       16.0       08/28/2023         Result       Reporting Limit       Analyzed         42.9       10.0       08/26/2023         6850       10.0       08/26/2023         1580       10.0       08/26/2023	I 42 %       71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit 160       16.0       08/28/2023       ND         mg/ky       Analyzed By: MS         Result Reporting Limit Analyzed Analyzed Method Blank 42.9       10.0       08/26/2023       ND         6850       10.0       08/26/2023       ND         1580       10.0       08/26/2023       ND	<0.300       0.300       08/27/2023       ND         142 % 71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         42.9       10.0       08/26/2023 ND       188         6850       10.0       08/26/2023 ND       184         1580       10.0       08/26/2023 ND       ND	< 0.300       08/27/2023       ND         142 %       71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed By: MS       % Recovery         Result Reporting Limit Analyzed Method Blank BS % Recovery         42.9       10.0       08/26/2023       ND       188       94.1         6850       10.0       08/26/2023       ND       184       92.0         1580       10.0       08/26/2023       ND       184       92.0	< 0.300       08/27/2023       ND         142 % 71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed By: MS       % Recovery True Value QC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         42.9       10.0       08/26/2023       ND       188       94.1       200         6850       10.0       08/26/2023       ND       184       92.0       200         1580       10.0       08/26/2023       ND       184       92.0       200	< 0.300       08/27/2023       ND         142 ⅓       71.5-134         mg/kg       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery       True Value QC       RPD         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery       True Value QC       RPD         42.9       10.0       08/26/2023       ND       188       94.1       200       4.10         6850       10.0       08/26/2023       ND       188       94.1       200       2.71         1580       10.0       08/26/2023       ND       184       92.0       200       2.71         1580       10.0       08/26/2023       ND       184       92.0       200       2.71 <th c<="" td=""></th>	

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Celeg & Freene



Tamara Oldaker

### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/23/2023Sampling Date:08/23/202308/29/2023Sampling Type:SoilCROW FLATS 16 STATE COM #002Sampling Condition:Cool & Intact

Sample Received By:

Project Number: 2005

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO

### Sample ID: S - 8 (1.5'-2.0') (H234592-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	< 0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.2	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	7240	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	1590	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	154	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 9 (0-0.25') (H234592-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	330	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	146	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 9 (0.25'-0.5') (H234592-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
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	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	3960	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	1410	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	73.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 9 (0.5'-1.0') (H234592-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	519	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	192	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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# Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 9 (1.0'-1.5') (H234592-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	98.1	10.0	08/25/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	13.4	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 10 (0-0.25') (H234592-14)

BTEX 8021B	mg,	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

RTFY 8021R

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 10 (0.25'-0.5') (H234592-15)

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2023	ND	1.98	98.8	2.00	2.36	
Toluene*	<0.050	0.050	08/27/2023	ND	2.23	111	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/27/2023	ND	2.25	112	2.00	4.98	
Total Xylenes*	<0.150	0.150	08/27/2023	ND	6.70	112	6.00	4.16	
Total BTEX	<0.300	0.300	08/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 10 (0.5'-1.0') (H234592-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	70.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

Applyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 10 (1.0'-1.5') (H234592-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.3	% 49.1-14	8						

Applyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



Cool & Intact

Tamara Oldaker

### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

 08/23/2023
 Sampling Date:
 08/23/2023

 08/29/2023
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: CROW FLATS 16 STATE COM #002 Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

21.11.12.1. 22.1.12.1.

### Sample ID: S - 11 (0-0.25') (H234592-18)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	65.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.0	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: S - 11 (0.25'-0.5') (H234592-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	63.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.3	% 49.1-14	18						

Surrogate: 1-Chlorooctadecane 70.3 %

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Celeg D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

mg/kg

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 11 (0.5'-1.0') (H234592-20)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

Analyzed By: JH/

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Celeg D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

BTEX 8021B

Project Location: CIMAREX - EDDY CO, NEW MEXICO

mg/kg

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 11 (1.0'-1.5') (H234592-21)

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported:

Sampling Date: 08/23/2023 08/29/2023 Sampling Type: Soil

Project Name: Project Number:

CROW FLATS 16 STATE COM #002 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker 2005

Analyzed By: JH/

Project Location: CIMAREX - EDDY CO, NEW MEXICO

mg/kg

### Sample ID: S - 12 (0-0.25') (H234592-22)

BTEX 8021B

DIEX GOZID	11197	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	188	94.1	200	4.10	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	184	92.0	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	68.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

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Celeg D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 12 (0.25'-0.5') (H234592-23)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2023	ND	179	89.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	08/25/2023	ND	173	86.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/25/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 08/23/2023 Reported: 08/29/2023

08/29/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

mg/kg

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 12 (0.5'-1.0') (H234592-24)

BTEX 8021B

DILX GOZID	ıııg,	- Kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	179	89.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	173	86.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 08/23/2023 Reported: 08/29/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 08/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: S - 12 (1.0'-1.5') (H234592-25)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.95	97.5	2.00	2.77	
Toluene*	<0.050	0.050	08/26/2023	ND	1.94	97.1	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	2.04	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	6.05	101	6.00	4.83	
Total BTEX	<0.300	0.300	08/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/28/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2023	ND	179	89.7	200	1.23	
DRO >C10-C28*	<10.0	10.0	08/26/2023	ND	173	86.5	200	5.13	
EXT DRO >C28-C36	<10.0	10.0	08/26/2023	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

Applyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

	HUMBYE	Manasa	3 1555	8-23-23				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
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	i i		×	1 ×	G	×		8/23/2023	S-8 (0.25'-0.5')	S-8 (0.
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			×	1 ×	G	×		8/23/2023	S-7 (0-0.25')	S-7 (0
Sample Comments	·		TP	# of Cont	Water Comp	Soil W	Time	Date	Sample Identification	Sample Id
NaOH+Ascorbic Acid: SAPC	Na		H 801			rature:	Corrected Temperature:	/		Containers:
Zn Acetate+NaOH: Zn	Zr		15M	В	560	ding:	Temperature Reading:	Yes No WA		ple Custody Seals:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	Z		_	P			Correction Factor:	Yes No (N/A)		er Custody Seals:
NaHSO <sub>4</sub> : NABIS	Z		RO +		140		Thermometer ID:	Yes No		eived Intact:
H <sub>3</sub> PO <sub>4</sub> : HP			DRO	nete:	Yes (NO)	Wet Ice:	Yes No	Temp Blank:	EIPT	MPLE RECEIPT
	Τ.		+ M	rs						
	H		RO)					GPJ		pler's Name:
Cool: Cool MeOH: Me	00				Normal	Due Date:		Eddy County, New Mexico		ect Location
None: NO DI Water: H <sub>2</sub> O				Code	□ Rush	☑ Routine □		2005		ect Number:
Preservative Codes	EST	ANALYSIS REQUEST			und	Turn Around	om #002	Crow Flats 16 State Com #002	Cro	ect Name:
Other:	Deliverables: EDD		laci.luig@coterra.com ashton.thielke@coterra.com	com ashto	.luig@coterra.	Email: laci		3988	432-813-8988	ne:
ST RRP Level IV	Reporting:Level II Level III ST/UST		Midland, TX 79701	Mid	City, State ZIP:	City		TX 79701	Midland, TX 79701	State ZIP:
	State of Project:		600 N Marienfield St, Suite 600	600	Address:	Add		310 W Wall St Ste 415	310 W W	ess:
lds RC perfund	Program: UST/PST PRP rownfields		Cimarex Energy	Cin	Company Name:	Cor		Carmona Resources	Carmona	pany Name:
mments	Work Order Comments		Laci Luig	Lac	Bill to: (if different)	Bill		nielke	Ashton Thielke	ect Manager:
Page1 of3										
Pa										
H334543	Work Order No:				,					
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30										

Comments:

S-11 (0.25'-0.5') S-11 (0.5'-1.0')

S-10 (1.0'-1.5') S-10 (0.5'-1.0')

S-11 (0-0.25')

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S-10 (0.25'-0.5')

S-10 (0-0.25') S-9 (1.0'-1.5') S-9 (0.5'-1.0') Project Manager:

Company Name:

City, State ZIP: Address:

roject Name: roject Number:

roject Location ampler's Name:

				5'-1.0')	5'-0.5')	0.25')	0'-1.5')	5'-1.0")	5'-0.5')	0.25")	'-1.5')	'-1.0')	5'-0.5')	ntification		ils:	S		PT						132-81	Midlanc	310 W	Carmor	Ashton			
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		Relinquished by: (Signature)		2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	te Time			(A) Correction Factor:	Thermometer ID:	Yes		L'e	New Mexico	)5	tate Com #002								
		ature)	,	×	×	×	×	×	×	×	×	×	×	ne Soil	Corrected Temperature:	Temperature Reading:	n Factor:	neter ID:	Wet Ice:			Due Date:	☑ ·Routine		En							
					G	G	G	G	G	G	G	. G	G	Water Comp	(	5.60	1	140	Yes No			Normal	□ Rush	Turn Around	Email: laci.luig@coterra.com ashton.thielke@coterra.com	City, State ZIP:	Address:	Company Name	Bill to: (if different)			
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+														Sampl	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H₃PO₄: HP	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HCL: HC	Cool: Cool	None: NO	Preser	Other:	RRP	]	s   RC	ments	Page	H2548	-
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																									Ļ		_			J'   D.	age 29	of.

SAMPLE RECEIPT

ooler Custody Seals: nple Custody Seals:

Sample Identification

S-9 (0.25'-0.5')

Ashton Thielke  Carmona Resources  Carmona Resources  Cimarex Energ  310 W Wall St Ste 415  Midland, TX 79701  Email:  aci.luig@coterra.com ashton.thielke@	Bill to: (if different)  Ources  Company Name:  Ste 415  Address:  City, State ZIP:  Email:  aci.luig@coterra.com as	e ources t Ste 415	Bill to: (if different)  Company Name: Cimarex Energy  Ste 415  Address: 600 N Marienfield St, Suite 600  City, State ZIP: Midland, TX 79701  Email:  aci.luig@coterra.com_ashton.thielke@coterra.com	Bill to: (if different)  Company Name: Cimarex Energy  Ste 415  Address: 600 N Marienfield St, Suite 600  City, State ZIP: Midland, TX 79701  Email:  aci.luig@coterra.com_ashton.thielke@coterra.com	Bill to: (if different)  Company Name: Cimarex Energy  Ste 415  Address: 600 N Marienfield St, Suite 600  City, State ZIP: Midland, TX 79701  Email:  aci.luig@coterra.com_ashton.thielke@coterra.com	Bill to: (if different)  Company Name: Cimarex Energy  Ste 415  Address: 600 N Marienfield St, Suite 600  City, State ZIP: Midland, TX 79701  Email:  aci.luig@coterra.com_ashton.thielke@coterra.com	Bill to: (If different)  Company Name: Cimarex Energy  Company Name: Cimarex Energy  Program: UST/PST PRP Prownfields State of Project: State of Project: Reporting: Level III ST/UST  Deliverables: EDD ADaPT
Bill to: (if different)  Company Name: Cimarex Energ Address: City, State ZIP: Midland, TX 79  Email: laci.luig@coterra.com ashton.thielke@	Bill to: (if different)  Company Name:  Cimarex Energy  Address:  City, State ZIP:  Midland, TX 79701  Email:  aci.luig@coterra.com ashton.thielke@coterra.com	Bill to: (if different)  Company Name: Cimarex Energy  Address: 600 N Marienfield St, Suite 600  City, State ZIP: Midland, TX 79701  Email: laci.luig@coterra.com ashton.thielke@coterra.com	00	00	00	00	00
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				Comments:						S-12 (1.0'-1.5')	S-12 (0.5'-1.0')	S-12 (0.25'-0.5')	S-12 (0-0.25')	S-11 (1.0'-1.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	井	Sampler's Name:	Project Location	Project Number:	Project Name:		
	),	Relinqui		•						8/23/2023	8/23/2023	) 8/23/2023	8/23/2023	8/23/2023	ion Date		Yes No NA	Yes No NIA	(Yes )No	Temp Blank		GPJ	Eddy County, New Mexico	2005	Crow Flats 16 State Com #002	432-813-8988	
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8-25-23	-									1	1	1	1	1	# of Cont			Pa	aran	nete	rs			Code		ra.com as	
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		Date/Time		}											Sample Comments	NaOH+Ascorbic Acid: SAPC	NaOH: Zn	3SO3	ABIS		NaOH: Na	HNO <sub>3</sub> : HN	MeOH: Me	DI Water: H <sub>2</sub> O	Preservative Codes	Other:	



December 01, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 11/30/23 14:44.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 1 ( 0-1' ) (H236450-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

A ... - I. ... - - I D. ... 311 /

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Celey D. Keene



11/30/2023

Tamara Oldaker

#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

12/01/2023 Sampling Type: Soil
CROW FLATS 16 STATE COM #002 Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: CROV Project Number: 2213

Sample ID: T - 1 ( 1.5' ) (H236450-02)

BTEX 8021B

Project Location: CIMAREX - EDDY CO, NEW MEXICO

	****31	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	1						

Analyzed By: JH/

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celeg D. Freene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 1 ( 2.0' ) (H236450-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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## Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

## Sample ID: T - 1 ( 3.0' ) (H236450-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

12/01/2023 Sampling Type:
CROW FLATS 16 STATE COM #002 Sampling Condition:

Applyzod By: 1H /

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Tamara Oldaker

# Sample ID: T - 1 ( 4.0' ) (H236450-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

## Sample ID: T - 2 ( 0-1' ) (H236450-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

## Sample ID: T - 2 ( 1.5' ) (H236450-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	< 0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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Celey D. Keene



Tamara Oldaker

#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

11/30/2023Sampling Date:11/30/202312/01/2023Sampling Type:SoilCROW FLATS 16 STATE COM #002Sampling Condition:Cool & Intact

Sample Received By:

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

on which is so that the

## Sample ID: T - 2 ( 2.0' ) (H236450-08)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celeg D. Freene



#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 2 ( 3.0' ) (H236450-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	53.4	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	13.2	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	18						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

## Sample ID: T - 2 ( 4.0' ) (H236450-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	41.2	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: T - 3 ( 0-1' ) (H236450-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 3 ( 1.5' ) (H236450-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Applyzod By: 1H /

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 Sampling Type: CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Soil Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Tamara Oldaker

11/30/2023

## Sample ID: T - 3 ( 2.0' ) (H236450-13)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 3 ( 3.0' ) (H236450-14)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

Applyzod By: 1H /

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: T - 3 ( 4.0' ) (H236450-15)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 4 ( 0-1' ) (H236450-16)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	< 0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

Analyzed By: JH/

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Celey D. Kune



#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 4 ( 1.5' ) (H236450-17)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

Analyzed By: JH/

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Celeg D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

## Sample ID: T - 4 ( 2.0' ) (H236450-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 4 ( 3.0' ) (H236450-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

## Sample ID: T - 4 ( 4.0' ) (H236450-20)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	2.01	101	2.00	3.23	
Toluene*	<0.050	0.050	11/30/2023	ND	2.13	106	2.00	4.54	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	2.14	107	2.00	3.73	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	6.51	109	6.00	3.97	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	206	103	200	5.08	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	185	92.4	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 5 ( 0-1' ) (H236450-21)

RTFY 8021R

BIEX 8021B	mg/	кд	Апанухе	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.81	90.6	2.00	11.0	
Toluene*	<0.050	0.050	11/30/2023	ND	1.82	91.1	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.84	92.0	2.00	9.94	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.44	90.7	6.00	9.91	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/01/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	217	108	200	8.07	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	183	91.3	200	0.435	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	68.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.0	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 11/30/2023 Reported:

12/01/2023 Sampling Type: CROW FLATS 16 STATE COM #002 Sampling Condition:

Analyzed By: JH/

Sampling Date:

Sample Received By:

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Soil

Cool & Intact Tamara Oldaker

11/30/2023

## Sample ID: T - 5 ( 1.5' ) (H236450-22)

BTEX 8021B

DIEX GOZID	11197	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.81	90.6	2.00	11.0	
Toluene*	<0.050	0.050	11/30/2023	ND	1.82	91.1	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.84	92.0	2.00	9.94	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.44	90.7	6.00	9.91	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	217	108	200	8.07	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	183	91.3	200	0.435	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.6	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 5 ( 2.0' ) (H236450-23)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.81	90.6	2.00	11.0	
Toluene*	<0.050	0.050	11/30/2023	ND	1.82	91.1	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.84	92.0	2.00	9.94	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.44	90.7	6.00	9.91	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	217	108	200	8.07	
DRO >C10-C28*	26.5	10.0	11/30/2023	ND	183	91.3	200	0.435	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	72.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.3	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 5 ( 3.0' ) (H236450-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.81	90.6	2.00	11.0	
Toluene*	<0.050	0.050	11/30/2023	ND	1.82	91.1	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.84	92.0	2.00	9.94	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.44	90.7	6.00	9.91	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	217	108	200	8.07	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	183	91.3	200	0.435	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	76.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.3	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 11/30/2023 Reported: 12/01/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 11/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: T - 5 ( 4.0' ) (H236450-25)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2023	ND	1.81	90.6	2.00	11.0	
Toluene*	<0.050	0.050	11/30/2023	ND	1.82	91.1	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/30/2023	ND	1.84	92.0	2.00	9.94	
Total Xylenes*	<0.150	0.150	11/30/2023	ND	5.44	90.7	6.00	9.91	
Total BTEX	<0.300	0.300	11/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2023	ND	217	108	200	8.07	
DRO >C10-C28*	<10.0	10.0	11/30/2023	ND	183	91.3	200	0.435	
EXT DRO >C28-C36	<10.0	10.0	11/30/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.5	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Chain of Custody

JCD	: 1	<u>/3/20</u> 	24 1		0.3	1-91.	M	7	61	7	6	W	· U			Tot	Sai	Co	Re	18	PO#:	Sai	Pro	Pro	Pro	Ph	Cit	Ada	S	Pro
			e,	Comments:	T-2 (4.0')	T-2 (3.0')	T-2 (2.0')	T-2 (1.5')	T-2 (0-1')	T-1 (4.0')	T-1 (3.0')	T-1 (2.0')	T-1 (1.5')	T-1 (0-1')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	*	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:
					4.0')	3.0')	2.0')	1.5')	0-1')	4.0')	3.0')	2.0')	1.5')	0-1')	ntification		als: Yes	Y6	6				Edd		Crow F	432-813-8988	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Ashton Thielke
	Relinquished				11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	Date		NO NIA	NO (N/A)	Yes No	Temp Blank:		GPJ	Eddy County, New Mexico	2213	Crow Flats 16 State (	8	79701	St Ste 500	sources	(e
	Relinquished by: (Signature)													s	Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes Mo			Mexico		Com #002					
		a.			×	×	×	×	×	×	×	×	×	×	Soil	perature:	eading:	Or.		Wet Ice:			Due Date:	Routine	Tur	Email:				
															Water Co	#	080		140	Yes (No			24 Hour	✓ Rush	Turn Around	l: aci.luig@coterra.com ashton.thielke@coterra	City, State ZIP	Address:	Company Name	Bill to: (if different)
1130					G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	Grab/ # of Comp Cont	21 08/11		Pa	aran	nete	rs			Code		terra.com	Ġ.		me:	ant)
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14	Date/Time				×	×	×	×	×	×	×	×	×	×	TP	H 801	15M	( GR	0+	DRO	) + N	IRO	)			1.thielk	Midland, TX 79706	6001 Deauville Blvd.	Cimarex Energy	Laci Luig
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Work Order No: 11231450

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April 12, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 04/11/23 8:21.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 1 (1.5'-2') (H231684-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/11/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 2 (1.5'-2') (H231684-02)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/11/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

RTFY 8021R

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 3 (1.5'-2') (H231684-03)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 4 (1.5'-2') (H231684-04)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150	Reporting Limit  0.050  0.050  0.050	Analyzed 04/11/2023 04/11/2023	Method Blank ND ND	BS 1.87	% Recovery 93.6	True Value QC	RPD 6.12	Qualifier
<0.050 <0.050	0.050			1.87	93.6	2.00	6 12	
<0.050		04/11/2023	ND				0.12	
	0.050		שוו	1.92	96.2	2.00	5.95	
<0.150		04/11/2023	ND	1.97	98.6	2.00	5.88	
	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
<0.300	0.300	04/11/2023	ND					
105 9	71.5-13	4						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	04/11/2023	ND	416	104	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
<10.0	10.0	04/11/2023	ND					
91.2	% 48.2-13	4						
	Result 32.0 mg/ Result <10.0 <10.0 <10.0	32.0 16.0 mg/kg  Result Reporting Limit <10.0 10.0 <10.0	Result         Reporting Limit         Analyzed           32.0         16.0         04/11/2023           mg/kg         Analyze           Result         Reporting Limit         Analyzed           <10.0	Result         Reporting Limit         Analyzed         Method Blank           32.0         16.0         04/11/2023         ND           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS           32.0         16.0         04/11/2023         ND         416           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           32.0         16.0         04/11/2023         ND         416         104           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           32.0         16.0         04/11/2023         ND         416         104         400           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           32.0         16.0         04/11/2023         ND         416         104         400         0.00           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           <10.0

Applyzod By: 14

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 5 (1.5'-2') (H231684-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Number: 2005

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 6 (1.5'-2') (H231684-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/11/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

04/12/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 7 (1.5'-2') (H231684-07)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 8 (1.5'-2') (H231684-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

Applyzod By: 14

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 9 (1.5'-2') (H231684-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 10 (1.5'-2') (H231684-10)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

04/12/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: CS - 11 (1.5'-2') (H231684-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Applyzod By: 14

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: CS - 12 (1.5'-2') (H231684-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Applyzod By: 14

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 04/11/2023 Reported:

04/12/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 1 (1.5'-2') (H231684-13)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701

Fax To:

Received: 04/11/2023 Reported: 04/12/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 2 (1.5'-2') (H231684-14)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	17.4	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

04/12/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 3 (1.5'-2') (H231684-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Applyzod By: 14

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# Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/11/2023 Reported: 04/12/2023

04/12/2023 CROW FLATS 16 STATE COM #002

Project Name: CRON Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: SW - 4 (1.5'-2') (H231684-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2023	ND	1.87	93.6	2.00	6.12	
Toluene*	<0.050	0.050	04/11/2023	ND	1.92	96.2	2.00	5.95	
Ethylbenzene*	<0.050	0.050	04/11/2023	ND	1.97	98.6	2.00	5.88	
Total Xylenes*	<0.150	0.150	04/11/2023	ND	6.10	102	6.00	4.72	
Total BTEX	<0.300	0.300	04/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2023	ND	168	83.8	200	6.02	
DRO >C10-C28*	<10.0	10.0	04/11/2023	ND	164	81.9	200	5.40	
EXT DRO >C28-C36	<10.0	10.0	04/11/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Applyzod By: 14

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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	Sond wings o	0821	4/11/23	T		V	7		6
Received by: (Signature)	Received	Time	Date/Time			(Signature)	Relinquished by: (Signature)		1
-		11				3			omments:
		+	^ ×	С	×		4/10/2023	.5-0.	Co-10 (1.5-2)
		+	×	C	×		4/10/2023	2-2)	CS-40 (4 51 07)
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		×	×	C	×		4/10/2023	.5-2")	CS-5 (1.5'-2')
		×	×	0	×		4/10/2023	.5'-2')	CS-4 (1.5'-2')
		× ;	+	0	×		4/10/2023	.5'-2")	CS-3 (1.5'-2')
		×		0	×		4/10/2023	.5'-2')	CS-2 (1.5'-2')
cample comments		×		0	×		4/10/2023	.5'-2')	CS-1 (1.5'-2')
NaOH+Ascorbic Acid: SAPC		ТРН	# of	Water Grab/	SOI .	Time	Date	ntification	Sample Identification
Zn Acetate+NaOH: Zn				3.80		Corrected Temperature:			Total Containers:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		-	BT	4.42		Temperature Reading:	No N/A	als: Yes	Total Costoinors
NaHSO <sub>4</sub> : NABIS		GRO	Pai	10.62		Correction Factor:	No N/A		Cooler Custody Seals:
H₃PO₄: HP		) + D				Thermometer ID:		6	Received Intact:
		RO+	eters	Kes No	Wet Ice:	Yes/(No)	Temp Blank:		SAMPLE RECEIPT
HCL: HC HNO3: HN		MRO					<u>C</u>	4	PO#:
				24hr	Due Date:		Eddy County, New Mexico	Edi	Sampler's Name:
Preservati			Pres. Code	☑ Rush	□ Routine		2005		Project Number.
	ANALYSIS REQUEST			Turn Around			Crow Flats 16 State Com #002	Crow	Project Name:
Other	.com	erra.com ashton.thielke@coterra	com ashtu	laci.luig@coterra	Email:				
Reporting:Level III		Midland, TX 79701	M	City, State ZIP:			ã	432-813-8988	Phone:
		N Marientield St, Suite 600	0	Other State 710			79701	Midland, TX 79701	City, State ZIP:
ST		con N Marie Gy	2 0	Address:			St Ste 500	310 W Wall St Ste 500	Address:
Work Order Comments		improv Enorm	2	Company Name:			esources	Carmona Resources	Company Name:
Page1 of		Laci Luig		Bill to: (if different)			lke	Ashton Thielke	Project Manager:
Work Order No: #23/1684									
	dy	Chain of Custody	nain						
		,		)					

Manuel   Carmon's Resources   Carmon's Resources   Carmon's Energy	Addition Thicke	Received by: (Signature)	Received b	Time 0831	Date/Time	4		Signature)	Relinquished by: (Signature)	, R		EVANS
Page   Asthorn Thicke   Bill to:   Cambany Name   Cambon   Resources   Bill to:   Cambany Name   Cambon   Resources   Bill to:   Cambany Name   Cambon   Resources   R	Marine   Cambrida   Registration   Cambrida   Cambrid										7	111
Althorn Thickle   Salmon Resources   Salmon Resou	Sahton Thielde										Comments:	
Salmon Thicke   Salmon Securices   Salmon Securic	Subton Thielde				-	_						
Samotina Tribelike   Bill to: (f edisens)	Salton Thielike   Salton   S				H							
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	Satistion Thielike			×	+	2 0	×		4/10/2023	5'-2')	SW-3 (1.	-
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Sample   S				×	+	) (	×	1	4/10/2023	.5'-2')	SW-1 (1.	
Settion Thickke   Bill to: (# definears)   Laci Luig   Work Order Comments	Sahton Thielike			×	+	) (	×		4/10/2023	.5'-2')	CS-12 (1	_
	Satistion Thielike	Sample Comment			+	comp	×		4/10/2023	.5'-2")	CS-11 (1	
Settlon Thielike	Shitton Thielike	NaOH+Ascorbic Acid: SAP		TPH 8	# of		Si.	Time		ntification	Sample Iden	
Setto   Thicke   Bill to: (r drifterent)   Laci Luig   Work Order Comments	Sention Thiele	Zn Acetate+Nach: Zn		015N		N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	ature:	Corrected Tempera			Total Containers:	
	Schlon Thielike	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na <sub>2</sub> S <sub>O</sub>		M ( G		4.4.	ling:	Temperature Read	No N/A	+	Total Containon	
Ashton Thielike         Bill to: (rt different)         Laci Luig         Page 2         2           Carmona Resources         Company Name:         Cimarex Energy         Cimarex Energy         Program: UST/PST PRP   rownfields   RC         Work Order Comments           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         Midland, TX 79701         Reporting:Level III   Level III   ST/UST   RRP         Townfields   RRP           Crow Flats 16 State Com #002         Turn Around         Pres.         ANALYSIS REQUEST         Preservati           Eddy County, New Mexico         Due Date:         24hr         Pres.         ANALYSIS REQUEST         Preservati           Tomp Blank:         Yes No         Wet loe:         Yes No         Yes No <t< td=""><td>  Skitton Thielike</td><td>NaHSO: NARIS</td><td></td><td>RO</td><td></td><td>510&gt;</td><td></td><td>Correction Factor:</td><td>NO NIA</td><td>+</td><td>Cooler Custody Seal</td><td></td></t<>	Skitton Thielike	NaHSO: NARIS		RO		510>		Correction Factor:	NO NIA	+	Cooler Custody Seal	
Ashton Thielike         Bill to: (# different)         Laci Luig         Page 2         2           Carmona Resources         Company Name:         Cimarex Energy         Cimarex Energy         Program: UST/PST PRP   Prownfields   PRC         Work Order Comments           Midland, TX 79701         City, State ZIP:         Midland, TX 79701         State of Project:         Reporting: Level III   Lev	Supplied		+ DI		NI		Thermometer ID:	es No		Cooler Custody Soci		
Sch Manager:         Ashton Thielike         Bill to: (rf-different)         Laci Luig         Laci Luig         Work Order Comments         2         Vork Order Comments         Page 2         2	Work Order No:   Page 2   Pagy Name:   Carmona Resources   Carmona Resources   Carmona Resources   Carmona Resources   Company Name:   Cimarex Energy   Program: UST/PST   PRC   PRC   Program: UST/PST   PRC   Program: UST/PST   PRC   Program: U			RO+			Wet Ice:	Yes (No)	mp Blank:		SAMPLE RECE	
Ect Manager:         Ashton Thielke         Bill to: (rf different)         Laci Luig         Laci Luig         Laci Luig         Laci Luig         Work Order Comments         Page 2         2         Page 2         2         Page 3         2         Page 4         2         Page 3         2         Page 4         2         Page 3	Work Order No:   Page   2.	<u> </u>		MRC		)					PO#	
Ashton Thielke	Ashton Thicke   Bill to: (if different)   Laci Luig			))		24nr	טמס טמוס.		GPJ		Sampler's Name:	
Manager:         Ashton Thielke         Bill to: (f different)         Laci Luig         Laci Luig         Work Order Comments         2           Iny Name:         Carmona Resources         Company Name:         Cimarex Energy         Cimarex Energy         Work Order Comments         Image: Work Order Comments           310 W Wall St Ste 500         Address:         600 N Marienfield St, Suite 600         State of Project:         Program: UST/PST □ PRP □ rownfields □ Rrownfields □ Rrownfields □ Rrownfields □ Rrownfields         Reporting: Level III □ Level III □ ST/UST □ RRP           Name:         Crow Flats 16 State Com #002         Turn Around         Pres.         ANALYSIS REQUEST         ANALYSIS REQUEST         Page 2	Manager.     Ashton Thielke     Bill to: (ff different)     Laci Luig     Laci Luig     Page 2     2       Inny Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST   PRP   rownfields   Rich     Reporting: Level      Level      ST/UST   RPP   Deliverables: EDD   ADaPT   Other:       Name:     Crow Flats 16 State Com #002     Turn Around     Pres.     ANALYSIS REQUEST	None: NO		-	Code		Dille Date:		y County, New N	Edo	Project Location	
It Manager:     Ashton Thielke     Bill to: (if different)     Laci Luig     Laci Luig     Vork Order Comments     2       Iny Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST PRP rownfields Rc     Program: UST/PST PRP rownfields Rc     Townfields Rc       ate ZIP:     Midland, TX 79701     City, State ZIP:     Midland, TX 79701     State of Project:     Reporting: Level III Level III ST/UST RRP       Name:     Crow Flats 16 State Com #002     Turn Around     Turn Around     Other.	Manager:     Ashton Thielke     Bill to: (if different)     Laci Luig     Page 2       In Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST PRP rownfields Rc     Work Order Comments       state ZIP:     Midland, TX 79701     City, State ZIP:     Midland, TX 79701     Program: UST/PST PRP rownfields Rc     Rc       432-813-8988     Email:  aci.luig@coterra.com ashton.thielke@coterra.com     Midland, TX 79701     Reporting: Level III ST/UST Reporting: Level III ST/UST Reporting: EDD ADaPT Other.		ANALYSIS REQUE		Pres.	☑ Rush			2005		Project Number:	
It Manager:     Ashton Thielke     Bill to: (if different)     Laci Luig     Laci Luig     Vork Order Comments       Iny Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST PRP rownfields RC     Program: UST/PST PRP rownfields RC       310 W Wall St Ste 500     Address:     600 N Marienfield St, Suite 600     State of Project:     State of Project:       432-813-8988     Email:    aci.luig@coterra.com     Midland, TX 79701     Reporting: Level       Level       ST/UST RP	Manager:       Ashton Thicike       Bill to: (If different)       Laci Luig       Page 2         Inny Name:       Carmona Resources       Company Name:       Cimarex Energy       Work Order Comments         S:       310 W Wall St Ste 500       Address:       City, State ZIP:       Midland, TX 79701       City, State ZIP:       Midland, TX 79701       Program: UST/PST □ PRP □ rownfields □ RC       State of Project:       Program: UST/UST □ RRP         432-813-8988       Email:   laci Luig@coterra.com ashton thicke@conterra.com       Midland, TX 79701       RRP	ADaPT [				Around	Turn	om #002	Flats 16 State C	Crow	Project Name:	
It Manager:     Ashton Thielke     Bill to: (if different)     Laci Luig     Laci Luig     Work Order Comments       Iny Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST PRP rownfields RC       S:     310 W Wall St Ste 500     Address:     600 N Marienfield St, Suite 600     Program: UST/PST PRP rownfields RC       A32.813.8080     City, State ZIP:     Midland, TX 79701     Reportion Local Inc.	Work Order No:       Work Order No:       W3   L         IManager:       Ashton Thielke       Bill to: (if different)       Laci Luig         Iny Name:       Carmona Resources       Company Name:       Cimarex Energy         S:       310 W Wall St Ste 500       Address:       Company Name:       Cimarex Energy         Midland, TX 79701       Address:       600 N Marienfield St, Suite 600       Program: UST/PST □ PRP □ rownfields □ RC         A32 813 8090       City, State ZIP:       Midland, TX 79701       Reporting I mail	Level III UST/UST URRP		ton.thielke@cot	a.com ash	laci.luiq@coterr	Email:		l	102-010-090		
lanager:     Ashton Thielke     Bill to: (ff different)     Laci Luig     Laci Luig     Work Order Comments       Name:     Carmona Resources     Company Name:     Cimarex Energy     Cimarex Energy     Program: UST/PST PRP rownfields RC       310 W Wall St Ste 500     Address:     600 N Marienfield St, Suite 600     State of Project:	Ashton Thielike   Bill to: (if different)   Laci Luig   Page 2	]		Midland, TX 7970	_	City, State ZIP:				433 843 900	Phone:	
Ashton Thielke   Bill to: (if different)   Laci Luig   Work Order Comments	Mork Order No: 133  C    Inager: Ashton Thielke   Bill to: (If different)   Laci Luig   Work Order Comments	Covilleds   RC	00	300 N Marienfield		Address:			79701	Midland, TX	City, State ZIP:	
Ashton Thielke  Bill to: (if different)  Carmona Resources  Work Order Commonts  Work Order Commonts	Ashton Thielke  Carmona Resources  Bill to: (If different)  Laci Luig  Work Order Commonts  Work Order Commonts	Prounfields The		Cimarex Energy		Company Name:			St Ste 500	310 W Wall	Address:	
Ashton Thielke Bill to: (If different)	Ashton Thielke  Bill to: 18 difference: 1 Page 2			Laci Luig		Company (in dillotetti)			sources	Carmona R	Company Name:	
		2				Bill to: (if different)			lke	Ashton Thie	Project Manager:	
Chain of Custody												



April 13, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 15:29.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 04/12/2023 Reported: 04/13/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2005

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 04/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 7 (2') (H231748-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2023	ND	1.93	96.3	2.00	9.25	QR-03
Toluene*	<0.050	0.050	04/13/2023	ND	2.04	102	2.00	8.99	QR-03
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.14	107	2.00	8.82	QR-03
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.55	109	6.00	7.82	QR-03
Total BTEX	<0.300	0.300	04/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/13/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	200	100	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

A ..... I ..... . J D. ... 711

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### **Notes and Definitions**

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

	0		Comments:						CS-7 (2)	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:				
	1	Rel										ils: Yes No	Yes	Ye	PT Temp Blank:			Eddy Co		Crow Flats	432-813-8988	Midland, TX 79701	310 W Wall St Ste 500	Carmona kesources	Ashton Thielke				
	U	inquished by							4/12/2023	Date		NA	NA		Blank:		GPJ	Eddy County, New Mexico	2005	Crow Flats 16 State Com #002			500	ces					
		Relinquished by: (Signature)								Time	Corrected Lemperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes Mo			1exico		om #002									
	=								×	Soil	perature:	leading:	tor:	D:	Wet Ice:			Due Date:	Routing	Tu	Email:					8			
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	1-4				+				C 1	Comp Cont	-	0		arai	mete	rs			Pres. Code		laci.luig@coterra.com ashton.thielke@coterra.com	ZIP:		lame:	erent)			Cla	
	4-12-23	Date/Time			$\pm$				×		`	E	втех	( 802	21B				o ."		ashton.th	Midlan	600 N	Cimare	Laci Luig			Chain of Custody	1 2 1
	1529	me		+	+				×	-	PH 80		l ( GF	_		) + N	(RO)				iielke@cc	Midland, TX 79701	600 N Marienfield St, Suite 600	Cimarex Energy	gir			olsn,	
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			,	+	+	+				(0	NaOH	Zn Aca	Na <sub>2</sub> S <sub>2</sub>	NaHS	H₃PO₄: HP	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HCL: HC	Cool: Cool	None: NO	T	ADaPT 🗆	□ST/UST		rownfields	Work Order Comments	Pa	_		
$\vdash$										Sample C	+Ascorbic	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	푸	H <sub>2</sub>	5	000	NO	reservat	Other:	RRP		RC	ents	Page1	(	122	
		Date/Time								Sample Comments	NaOH+Ascorbic Acid: SAPC	)H: Zn	ω			NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H <sub>2</sub> O	Preservative Codes		Level IV		perfund		of		4221748	
											100					m	_	rio (in	H <sub>2</sub> 0	S				ص اط		_	Page 4	of 4	



December 05, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 12/04/23 16:45.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

DTEV 0021D

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 13 (4.0') (H236509-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Applyand By 1H /

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: CS - 14 (4.0') (H236509-02)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	< 0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	200	99.8	200	1.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	180	89.9	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 15 (4.0') (H236509-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 16 (4.0') (H236509-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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12/04/2023

Soil

#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported:

Sampling Date: 12/05/2023 Sampling Type:

Project Name: Project Number:

CROW FLATS 16 STATE COM #002 Sampling Condition: Cool & Intact Sample Received By: 2213 Tamara Oldaker

Analyzed By: JH/

CIMAREX - EDDY CO, NEW MEXICO Project Location:

#### Sample ID: CS - 17 (4.0') (H236509-05)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 18 (4.0') (H236509-06)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: CS - 19 (4.0') (H236509-07)

RTFY 8021R

B1EX 8021B	mg/	ĸy	Allalyze	а ву: ЈН/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 20 (2.5') (H236509-08)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: CS - 21 (2.5') (H236509-09)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
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	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: CS - 22 (2.5') (H236509-10)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 %	6 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 23 (2.5') (H236509-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

## Sample ID: CS - 24 (2.5') (H236509-12)

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	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 25 (2.5') (H236509-13)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 26 (2.0') (H236509-14)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: CS - 27 (2.0') (H236509-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/05/2023	ND	400	100	400	7.69	
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	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: CS - 28 (2.0') (H236509-16)

RTFY 8021R

B1EX 8021B	mg,	rky	Allalyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES ASHTON THIELKE 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: CS - 29 (2.0') (H236509-17)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/05/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

Analyzed By: JH/

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported:

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: CS - 30 (2.0') (H236509-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	10.9	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: CS - 31 (2.0') (H236509-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	79.9	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	25.6	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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# Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported:

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: CS - 32 (2.0') (H236509-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.97	98.6	2.00	10.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	105	2.00	10.4	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	10.9	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.29	105	6.00	10.6	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	34.9	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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# Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: SW - 5 (4.0') (H236509-21)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	195	97.7	200	3.08	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	202	101	200	5.07	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 6 (4.0') (H236509-22)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 7 (4.0') (H236509-23)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 8 (1.5') (H236509-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 9 (4.0') (H236509-25)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
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	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported:

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: SW - 10 (4.0') (H236509-26)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
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	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported:

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: SW - 11 (2.5') (H236509-27)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
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	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.4	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 12 (2.5') (H236509-28)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 13 (2.5') (H236509-29)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

Applyzod By: 1H /

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Celey D. Keene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 14 (2.0') (H236509-30)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.6	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES **ASHTON THIELKE** 310 W WALL ST SUITE 415 MIDLAND TX, 79701 Fax To:

Received: 12/04/2023 Reported: 12/05/2023 Sampling Date: 12/04/2023 Sampling Type: Soil

Project Name: Project Number:

CROW FLATS 16 STATE COM #002 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

#### Sample ID: SW - 15 (2.0') (H236509-31)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 49.1-14	8						

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

12/05/2023 CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 16 (2.0') (H236509-32)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

Applyzod By: 1H /

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#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/04/2023 Reported: 12/05/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW - 17 (2.0') (H236509-33)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.17	109	2.00	1.81	
Toluene*	<0.050	0.050	12/04/2023	ND	2.15	108	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.13	107	2.00	2.35	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.79	113	6.00	1.74	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/05/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	205	102	200	1.65	
DRO >C10-C28*	152	10.0	12/05/2023	ND	174	87.2	200	2.29	
EXT DRO >C28-C36	101	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	18						

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Troject Number:   County, New Mexico   Due Date:   Cathorisa	Recellipt	Name:	Crow Flats 16 State C	om #002	Turn /	round		-	1	ANALYSIS H	EQUEST	-
Troject Location   Eddy County, New Mexico   Due Date:   24 Hour   Sampler's Name:   GPJ   Sampler's Name:   CPJ   Sampler's Name:   Ces No	Eddy County, New Mexico   Due Date:   (24 Hour   GPJ    ň	2213		Routine	Rush	Code	+	-		+	+	
SAMPLE RECEIPT         Temp Blank:         Yes No         Wet Ice:         Yes No         Wet Ice:         Yes No         Wet Ice:         Yes No         Per No	CEIPT   Temp Blank   Yes (No)   Wet los:   Yes No   Thermoneter ID:   Yes No   Thermoneter ID:   Yes No   Walk   Correction Factor:   Yes No   Walk   Temperature Reading:   Yes No   Walk   Temperature:   Yes No   Walk   Yes No   Yes	Project Location	Eddy County, New	Мехісо	Due Date:	24 Hour		0)				
SAMPLE RECEIPT         Temp Blank:         Yes No         Wet Ice:         Yes No         Thermometer ID:         Yes No         Wet Ice:         Yes No         Thermometer ID:         Yes No         Wet Ice:         Yes No         Yes No         Wet Ice:         Yes No         Yes No         Wet Ice:         Yes No         Yes No         Yes No         Wet Ice:         Yes No         Yes No <t< td=""><td>  PLERECEIPT   Temp Blank   Yes (No)   Wet los:   Yes No   Yes No   Wet los:   Yes No   Yes No   Wet los:   Yes No   /td><td>Sampler's Name:</td><td>GPJ</td><td></td><td></td><td></td><td>s</td><td>+ MR</td><td></td><td></td><td></td><td></td></t<>	PLERECEIPT   Temp Blank   Yes (No)   Wet los:   Yes No   Yes No   Wet los:   Yes No   Yes No   Wet los:   Yes No	Sampler's Name:	GPJ				s	+ MR				
SAMPLE RECEIPT         Temp Blank:         Yes No         Wet Ice:         Yes No         Wet Ice:         Yes No         Tem Plank:         Yes No         Thermometer ID:         Yes No         Wet Ice:         Yes No         Tem Plank:         Yes No         Thermometer ID:         Yes No         Water Ice:         Yes No         Yes No         Water Ice:         Yes No         Water Ice:         Yes No         Yes No         Water Ice:         Yes No         Yes No         Yes No         Water Ice:         Yes No	CEIPT         Temp Blank         Yes (No.)         Wet loc:         Yes No.         Temp Blank         Yes No.         Thermometer ID:         Yes No.         All Demometer ID:         Yes No.         All Demometer ID:         All Demo	PO#:		)			ters	_	00			
Received Intact         Ves No (NVA)         Thermometer ID:         Accident Custody Seals:         Yes No (NVA)         Correction Factor:         Accident Custody Seals:         Yes No (NVA)         Correction Factor:         Accident Custody Seals:         Yes No (NVA)         Corrected Temperature:         Accident Custody Seals:         Accident Custody Seals:         Yes No (NVA)         Corrected Temperature:         Accident Custody Seals:         Accident Custod	Seals:   Yes   No (N/A   Corrector D:   Yes   No (N/A   Corrector D:   Yes   No (N/A   Corrector Temperature   Yes   No (N/A   Temperature Reading:   Yes   No (N/A   Temperature Reading:   Yes   No (N/A   Temperature   Yes   No (N/A   Yes   Yes   No (N/A   Yes   Yes   Yes   No (N/A   Yes   Yes   Yes   Yes   No (N/A   Yes   Yes   Yes   Yes   Yes   No (N/A   Yes	SAMPLE RECEIPT	Temp Blank:	Yes No		Yes No	ame		e 450			
Cooler Custody Seals:   Yes   No (NA)   Correction Factor:   Yes   No (NA)   Temperature Reading:   Yes   No (NA)   Temperature:   Yes   No (NA)   Temperature:   Yes   No (NA)   Yes   Yes   No (NA)   Yes   No (NA)   Yes   Yes   No (NA)   Yes   Yes   Yes   Yes   No (NA)   Yes   Y	Seals:         Yes No (N/A)         Correction Factor:         A Temperature Reading:         A Temperature	Received Intact:	Yes No	Thermometer ID		140	Par	_	oride			
Sample Custody Seals:         Yes         No (NIA)         Temperature:         Corrected Temperature:         Corrected # of Enable # of Enab	Corrected Temperature:	Cooler Custody Seals:	Yes No NA	Correction Facto	or.	1.78			Chl		_	
Sample Identification         Date         Time         Soil         Water Comp         Grab/ Comp         # of Comp         End of Comp           CS-13 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-14 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-15 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-16 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-17 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-18 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-19 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-19 (4.0°)         12/4/2023         X         Comp         1         X         X           CS-20 (2.5°)         12/4/2023         X         Comp         1         X         X           CS-22 (2.5°)         12/4/2023         X         Comp         1         X         X           CS-22 (2.5°)         12/4/2023	Identification   Date   Time   Soil   Water   Grab/   # of   1	Sample Custody Seals:	- 1	Corrected Temp	erature:		+ 1	801				
12/4/2023       X       Comp       1       X       X	S-13 (4.0°)  12/4/2023  X  Comp 1 X X X  S-14 (4.0°)  12/4/2023  X  Comp 1 X X X X  S-16 (4.0°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  S-16 (4.0°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  S-17 (4.0°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  S-19 (4.0°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  S-20 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  S-21 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  S-22 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  S-20 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  S-20 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  S-20 (2.5°)  12/4/2023  X  Comp 1 X X X X  Comp 1 X X X X  Comp 1 X X X X  Date-Time  Date-Time	Sample Identification		Time	Soil		1	TP				
12/4/2023       X       Comp       1       X       X	\$-14 (4.0")	CS-13 (4.0")			×	Comp		+	+		$\pm$	+
CS-15 (4.0')         12/4/2023         X         Comp         1         X         X           CS-16 (4.0')         12/4/2023         X         Comp         1         X         X           CS-17 (4.0')         12/4/2023         X         Comp         1         X         X           CS-18 (4.0')         12/4/2023         X         Comp         1         X         X           CS-19 (4.0')         12/4/2023         X         Comp         1         X         X           CS-20 (2.5')         12/4/2023         X         Comp         1         X         X           CS-21 (2.5')         12/4/2023         X         Comp         1         X         X           CS-22 (2.5')         12/4/2023         X         Comp         1         X         X	S-15 (4.0')  12/4/2023  X  Comp  1 X  X  Comp  1 X  X  X  S-16 (4.0')  12/4/2023  X  Comp  1 X  X  Comp  1 X  X  X  S-18 (4.0')  12/4/2023  X  S-19 (4.0')  12/4/2023  X  S-19 (4.0')  12/4/2023  X  S-20 (2.5')  12/4/2023  X  Comp  1 X  X  Comp  1 X  X  X  S-21 (2.5')  12/4/2023  X  Comp  1 X  X  X  Comp  1 X  X  X  S-22 (2.5')  12/4/2023  X  Comp  1 X  X  X  Comp  1 X  X  X  Comp  1 X  X  X  S-22 (2.5')  12/4/2023  X  Comp  1 X  X  Comp  1 X  X  X  Date/Time  Pate/Livy  Date/Livy   CS-14 (4.0')	12/4/2023		×	Comp		+	+			$\perp$	
CS-16 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-17 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-18 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-19 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-20 (2.5°)       12/4/2023       X       Comp       1       X       X         CS-21 (2.5°)       12/4/2023       X       Comp       1       X       X         CS-22 (2.5°)       12/4/2023       X       Comp       1       X       X	S-16 (4.0')  12/4/2023  X  S-17 (4.0')  12/4/2023  X  S-18 (4.0')  12/4/2023  X  Comp  1	CS-15 (4.0')	12/4/2023		< >	Comp	T	+	+			
CS-17 (4:0)       124/2023       X       Comp       1       X       X         CS-18 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-19 (4.0°)       12/4/2023       X       Comp       1       X       X         CS-20 (2.5°)       12/4/2023       X       Comp       1       X       X         CS-21 (2.5°)       12/4/2023       X       Comp       1       X       X         CS-22 (2.5°)       12/4/2023       X       Comp       1       X       X	S-17 (4.0) 12/4/2023  X S-18 (4.0') 12/4/2023  X S-19 (4.0') 12/4/2023  X S-20 (2.5') 12/4/2023  X Comp 1 X X X S-21 (2.5') 12/4/2023  X Comp 1 X X X S-21 (2.5') 12/4/2023  X Comp 1 X X X S-22 (2.5') 12/4/2023  X Comp 1 X X X S-22 (2.5') 12/4/2023  X Date/Time  Relinquished by: (Signature)  Relinquished by: (Signature)		12/4/2023	1	×	Comp		$\forall$	$\vdash$		-	F
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CS-20 (2.5')         12/4/2023         X         Comp         1         X         X           CS-21 (2.5')         12/4/2023         X         Comp         1         X         X           CS-22 (2.5')         12/4/2023         X         Comp         1         X         X	S-20 (2.5')  12/4/2023  X  Comp 1 X X X  S-21 (2.5')  12/4/2023  X  Comp 1 X X X  Comp 1 X X X  S-22 (2.5')  12/4/2023  X  Date/Time  Relinquished by: (Signature)  Relinquished by: (Signature)		12/4/2023		×	Comp		+			+	+
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CS-28 (2.0') CS-29 (2.0') CS-30 (2.0') CS-31 (2.0') CS-32 (2.0') Comments:	CS-28 (2.0') CS-29 (2.0') CS-30 (2.0') CS-31 (2.0') CS-32 (2.0') CS-32 (2.0')	Comment								CS-26 (2.0°)	CS-25 (2.5')	CS-24 (2.5')	CS-23 (2.5')	Sample Identification	Total Containers:	71	Seals:	Received Intact:	SAMPLE RECEIPT	PO#			ä	Name:	Phone: 432-813-8988	City, State ZIP: Midland, TX 79701	Address: 310 W Wa	Company Name: Carmona Resources					
12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023	12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023	12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023	12/4/2023 12/4/2023 12/4/2023 12/4/2023 12/4/2023	12/4/2023 12/4/2023 12/4/2023 12/4/2023	12/4/2023 12/4/2023 12/4/2023	12/4/2023	12/4/2023	020217121	12/4/2023	12/4/2023	12/4/2023	12/4/2023	12/4/2023	Date		Yes No (N/A)	Yes No (N/A)	Yes No	Temp Blank:		GPJ	Eddy County, New Mexico	2213	Crow Flats 16 State Com #002	988	X 79701	310 W Wall St Ste 500	Kesources	Occurred	PIKP			
12/4/2023  Relinquished by: (Signature)														Time	Corrected Lemperature.	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes No			Mexico		om #002									
×		×	×		×	×	×	×	×	×	×	×	×	Soil	erature.	ading:	15		Wet Ice:			Due Date:	Routine	Turn	Email:								
				Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Water Comp	Gabi	3/11	175	16	Yes No			24 Hour	Rush	Turn Around	Email:  aci.luig@coterra.com asmortanemedecerrase	City, State Zir.	City State 7ID:	Address:	Company Name:	Bill to: (if different)		C	
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	N N															N.	Zn	N. a	Na	На	H <sub>2</sub>	НС	Co	Noi		ADaPT L			L'EXT DIOMINICIAS			Work Order No:	
		Date/Time													Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H₃PO₄; HP	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na		Cool: Cool MeOH: Me	None: NO DI Water: H <sub>2</sub> O	Preservative Codes	Other:	LVV.		Ç	nmenus	Page 37	H23450	1

										Page	3 of
						i ani I min				Work Order Comments	ıts
Project Manager: Ashton Thielke	Thielke			Bill to: (if different)		Laci Luig			Program: UST/PST	□PRP □ rownfields	□ RC □ perfund
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	310 W Wall St Ste 500			Address:		6001 Dea	6001 Deauville Blvd, Suite	lite 300N	Reporting:Level III Level III	□st/ust	□RRP □Level IV
	Midland. TX 79701			City, State ZIP:		Midland,	Midland, TX 79706		Deliverables: EDD	ADaPT	.7
ale ZIF.	2 2028		Email:	Email: laci.luig@coterra.com ashton.thielke@coterra.co	ra.com as	shton.thie	<u>    Ке@сотепта</u>	.com	Deliveration	- 11	
Phone: 432-013-0300	3-0300	200	1	Around				ANALYSIS REQUEST	QUEST	Pr	ervativ
Project Name: C	Crow Flats 16 State Com #002	om #002		Iurii Arouiiu	Pres.	-	1			None: NO	IO DI Water: H <sub>2</sub> O
<b>H</b>	2213		Routine	Rusn	Code	+	+			Cool: Cool	ool MeOH: Me
Project Location	Eddy County, New Mexico	Mexico	Due Date:	24 Hour	_	0)	0)			HCL: HC	C HNO3: HN
Sampler's Name:	GPJ					мр	MK			H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	H <sub>2</sub> NaOH: Na
PO#:					ters					H₃PO₄; HP	HP
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes) No	ame	021E	450			NaHSO	NaHSO4: NABIS
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Cooler Custody Seals:	AN/A	Correction Facto	ה	110			_			Zn Ace	Zn Acetate+NaOH: Zn
Sample Custody Seals:	Yes No NIA	Corrected Temperature:	erature:				8015			NaCH	NaOH+Ascorbic Acid. SAFC
Sample Identification	n Date	Time	Soil	Water Comp	# of Cont		TP			· · ·	Sample Comments
	12		×	Comp	p 1	$\vdash$	Н			+	
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SW-7 (4.0")	12/4/2023		×	Comp	p 1	×	$\vdash$	-	+	+	
	12/4/2023		×	Comp	p 1	×	$\vdash$		<u> </u>		
	12/4/2023		×	Comp	IP 1	×	×		-		
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Comments:											
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James 1	2				12/4	1223	1648		M Walley		+
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	bun w		Comments:						SW-17 (2.0")	SW-16 (2.0')	SW-15 (2.0')	Sample Identification	lotal Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	r loject Nullibel.	Project Name.			e ZIP:			Project Manager: As	
	Jon	Relino					_							Yes No		Yes No	Temp Blank:		Eddy Cour		Clow Flats To State Com #002		432-813-8988	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Ashton Thielke	
A	3	Relinquished by: (Signature)					+		12/4/2023	12/4/2023	12/4/2023	Date	Co	No (N/A) Te			ank:		Eddy County, New Mexico GPJ	6177	o otate Com				500	Š		
		Signature)										Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes No		XICO		7004							
									×	×	×	Soil	erature:	ading:	ח		Wet Ice:		Due Date:	- Notice	lurn		Email:					
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				Н	+	$\dagger$		$\forall$				91.8	NaOF	Zn Ac	Na <sub>2</sub> S	NaHS	H <sub>3</sub> PC	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HCL: HC	None		- 11	ADaPT	□st/ust		☐}rownfields	Work Order Comments	
++	+											Sample	1+Ascor	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	H₃PO₄; HP	4: H <sub>2</sub>	Cool: Cool	None: NO	Preser		Other:	RRP		s □RC	nents	H2:
		Date/Time										Sample Comments	NaOH+Ascorbic Acid: SAPC	aOH: Zn	303	SIE		NaOH: Na	MeOH: Me	DI Water. H <sub>2</sub> O	Preservative Codes		31	Level IV		perfund		Page 39 of 39



December 07, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CROW FLATS 16 STATE COM #002

Enclosed are the results of analyses for samples received by the laboratory on 12/06/23 15:49.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/06/2023 Reported: 12/07/2023

CROW FLATS 16 STATE COM #002

Project Number: 2213

Project Name:

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/06/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: CS - 31 ( 2.0'-2.5' ) (H236551-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2023	ND	2.31	116	2.00	3.75	
Toluene*	<0.050	0.050	12/06/2023	ND	2.28	114	2.00	9.22	
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.36	118	2.00	10.5	
Total Xylenes*	<0.150	0.150	12/06/2023	ND	6.93	116	6.00	8.95	
Total BTEX	<0.300	0.300	12/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	192	95.8	200	0.211	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	169	84.4	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



#### Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received: 12/06/2023 Reported: 12/07/2023

CROW FLATS 16 STATE COM #002

Project Name: CROV Project Number: 2213

Project Location: CIMAREX - EDDY CO, NEW MEXICO

Sampling Date: 12/06/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

# Sample ID: SW - 17 ( 2.0' ) (H236551-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2023	ND	2.31	116	2.00	3.75	
Toluene*	<0.050	0.050	12/06/2023	ND	2.28	114	2.00	9.22	
Ethylbenzene*	<0.050	0.050	12/06/2023	ND	2.36	118	2.00	10.5	
Total Xylenes*	<0.150	0.150	12/06/2023	ND	6.93	116	6.00	8.95	
Total BTEX	<0.300	0.300	12/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2023	ND	192	95.8	200	0.211	
DRO >C10-C28*	<10.0	10.0	12/07/2023	ND	169	84.4	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	12/07/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Applyzod By: 1H /

# Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Chain of Custo

Project Manager:

Ashton Thielke

Carmona Resources

Address: Company Name: Bill to: (if different)

6001 Deauville Blvd, Suite 300N

State of Project:

**Preservative Codes** 

HNO3: HN

NaOH: Na

MeOH: Me

DI Water: H<sub>2</sub>O

RRP Other:

Level IV

Sample Comments

8-6-25 17:49 Date/Time

Released to Imaging: 1/3/2024

Laci Luig

Cimarex Energy

Company Name:

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Program: UST/PST □PRP □ Irownfields □ RC □ perfund	Work Order Comments	Page	Work Order No: H33655	
RC □p	nts	e    -  -  -  -	3655	
erfund		Page	5	5

<u>District I</u> 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

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

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

QUESTIONS

Action 299388

### **QUESTIONS**

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	299388
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1030934407
Incident Name	NMLB1030934407 CROW FLATS 16 STATE COM #002 @ 30-015-35556
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-35556] CROW FLATS 16 STATE COM #002

Location of Release Source		
Please answer all the questions in this group.		
Site Name	CROW FLATS 16 STATE COM #002	
Date Release Discovered	10/12/2010	
Surface Owner	State	

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

Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Pump   Crude Oil   Released: 17 BBL   Recovered: 0 BBL   Lost: 17 BBL.			
Produced Water Released (bbls) Details	Not answered.			
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.			

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# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Ea NIM 97505

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Action 299388

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462	re, Nivi 6/303		
OUESTI	ONS (continued)		
Operator:  CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID:  162683  Action Number: 299388  Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)		
QUESTIONS			
Nature and Volume of Release (continued)			
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.		
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No		
Reasons why this would be considered a submission for a notification of a major release	Unavailable.		
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.		
Initial Response			
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.		
The source of the release has been stopped	True		
The impacted area has been secured to protect human health and the environment	True		
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True		
All free liquids and recoverable materials have been removed and managed appropriately	True		
If all the actions described above have not been undertaken, explain why  Not answered.			
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			

Name: Laci Luig Title: ES&H Specialist

Date: 01/03/2024

Email: DL\_PermianEnvironmental@coterra.com

I hereby agree and sign off to the above statement

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

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#### **QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	299388
	Action Type:
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#### QUESTIONS

Site Characterization				
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the			
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)			
What method was used to determine the depth to ground water	NM OSE iWaters Database Search			
Did this release impact groundwater or surface water	No			
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)			
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)			
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)			
A wetland	Between 1000 (ft.) and ½ (mi.)			
A subsurface mine	Greater than 5 (mi.)			
An (non-karst) unstable area	Between 1 and 5 (mi.)			
Categorize the risk of this well / site being in a karst geology	Medium			
A 100-year floodplain	Greater than 5 (mi.)			
Did the release impact areas not on an exploration, development, production, or storage site	Yes			

ided to the appropriate district office no later than 90 days after the release discovery date.			
Yes			
nination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Yes			
No			
, in milligrams per kilograms.)			
720			
8868			
7278			
0			
0			
mpleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
04/10/2023			
12/06/2023			
12/06/2023			
What is the estimated surface area (in square feet) that will be reclaimed 6000			
570			
6000			
What is the estimated volume (in cubic yards) that will be remediated 570			
on at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			
, ,			

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 299388

#### **QUESTIONS** (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Laci Luig Title: ES&H Specialist

Email: DL\_PermianEnvironmental@coterra.com

Date: 01/03/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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**QUESTIONS** (continued)

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#### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

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Action 299388

#### **QUESTIONS** (continued)

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#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	299453
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/04/2023
What was the (estimated) number of samples that were to be gathered	45
What was the sampling surface area in square feet	6000

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	6000	
What was the total volume (cubic yards) remediated	570	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	6000	
What was the total volume (in cubic yards) reclaimed	570	
Summarize any additional remediation activities not included by answers (above)	Dig and Haul to disposal, backfilled with clean topsoil since since has been P/a'd for years, will reseed during growing season	

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: ES&H Specialist
Email: DL\_PermianEnvironmental@coterra.com
Date: 01/03/2024

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**QUESTIONS** (continued)

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#### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 299388

### **CONDITIONS**

Operator:	OGRID:
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#### CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. A complete and accurate reclamation report will need to be submitted. The reclamation report will need to address the requirements of 19.15.29.13 NMAC including pictures of the reclaimed area, and a proposed revegetation plan. Subsequent to the approval of a reclamation plan, a revegetation report will need to be submitted, including pictures of the revegetated areas, once the site meets the requirements for vegetation cover found in 19.15.29.13 D.(3) NMAC. Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used as long as the requirements of the surface owner provide equal or better protection of freshwater, human health and the environment.	1/3/2024