

SITE INFORMATION

Closure Report Igloo 19-24 State Federal Com #013H Incident #: nAPP2434433845 Lea County, New Mexico Unit J Sec 19 T20S R35E 32.555625°, -103.496343°

Produced Water Release Point of Release: Equipment Failure Release Date: 12.08.2024 Volume Released: 10 Barrels of Produced Water Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

Prepared for: Caza Operating, LLC 200 North Loraine Street Suite 1550 Midland, Texas 79701

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC		
FIGURE 3	SAMPLE LOCATION	FIGURE 4A/4B	EXCAVATION DEPTH		
	APPEN	<u>IDICES</u>			
APPENDIX A	TABLES				
APPENDIX B	PHOTOS				
APPENDIX C	N.O.R/NMOCD CORRESPONDENCE				
APPENDIX D	SITE CHARACTERIZAT	TION AND GROUNDW	ATER		
APPENDIX E	LABORATORY REPORT	ГS			



February 13, 2025

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

Re: Closure Report Igloo 19-24 State Federal Com #013H Caza Operating, LLC Incident # nAPP2434433845 Site Location: Unit J, S19, T20S, R35E (Lat 32.555625°, Long -103.496343° Lea County, New Mexico

To whom it may concern:

On behalf of Caza Operating, LLC (Caza), Carmona Resources, LLC has prepared this letter to document site activities for the Igloo 19-24 State Federal Com #013H. The site is located at 32.555625°, -103.496343° within Unit J, S19, T20S, and R35E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 8, 2024, due to equipment failure: production flow line. It resulted in the release of ten (10) barrels of produced water, with zero (0) barrels recovered. The incident occurred on pad. Refer to Figure 3 for the affected area. The Notification of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.89 miles West of the site in S24, T20S, R35E and was drilled in 1984. The well has a reported depth to groundwater of 270' below 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, the following criteria were utilized in assessing the site.

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

4.0 Site Assessment Activities

Initial Site Assessment

On January 13, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) sample points and six (6) horizontal samples were advanced to depths ranging from the surface to 2' bgs inside and surrounding the release area to assess the vertical and

310 West Wall Street, Suite 500 Midland, Texas 79701 432.813.1992



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

5.0 Remediation Activities

Carmona Resources personnel were onsite to guide excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on January 30, 2025, and February 3, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence. A total of thirty-five (35) confirmation floor samples (CS-1 through CS-35) and nineteen (19) sidewall samples (SW-1 through SW-19) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH 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 Figures 4A & 4B.

All final confirmation samples were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 2 for the results.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. A composite sample of the backfill material was collected for laboratory analysis on January 21, 2025, before being utilized. Refer to Table 2. Approximately 940 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. Caza formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

onner

Conner Moehring Environmental Manager

Ivan Ramos Project Manager

310 West Wall Street, Suite 500 Midland, Texas 79701 432.813.1992















APPENDIX A



•

Table 1Caza Operating, LLCIgloo 19-24 State Federal Com 013HLea County, New Mexico

				TPł	l (mg/kg)		Benzene	Toluene	Ethlybenzene		Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	Xylene (mg/kg)	(mg/kg)	Chloride (mg/kg)
S-1	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1660
	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1600
S-2	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
S-3	"	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-4		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
		2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
S-5		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
		2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	720
S-6		1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
		2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
S-7	1/13/2025	0-1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
H-1	1/13/2025	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	1/13/2025	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-3	1/13/2025	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-4	1/13/2025	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
H-5	1/13/2025	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-6	1/13/2025	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Points (H) Horizontal Sample

(H) Honzontal Sample Removed

Released to Imaging: 3/13/2025 4:48:08 PM

•

Table 2 Caza Operating, LLC Igloo 19-24 State Federal Com #013H Lea County, New Mexico

Sample ID	Date	Depth (ft)	GRO	DRO	H (mg/kg) MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
CS-1	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-2	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-3	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-4	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-5	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-6	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-7	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
CS-8	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
	2/6/2025	3.25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	2/4/2025	3'	<10.0	11.7	<10.0	11.7	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-10	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-11	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-12	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-13	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-14	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-15	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-16	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
CS-17	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
CS-18	2/4/2025	3'	<10.0	16.9	<10.0	16.9	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-19	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-20	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-21	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-22	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-23	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-24	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	ry Criteria ^A Analyzed					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

(CS) Confirmation Sample Removed

•

Table 2 Caza Operating, LLC Igloo 19-24 State Federal Com #013H Lea County, New Mexico

				TPI	H (mg/kg)	••	Devreue	Toluene	Ethluhansana			
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	Benzene (mg/kg)	(mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
CS-25	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-26	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-27	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-28	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-29	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-30	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-31	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-32	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-33	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-34	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-35	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-1	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-2	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-4	2/4/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-5	2/4/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-6	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-7	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-8	2/4/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-9	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160.0
SW-10	2/4/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-11	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (CS) Confirmation Sample

(SW) Sidewall Sample

Table 2 Caza Operating, LLC Igloo 19-24 State Federal Com #013H Lea County, New Mexico

		5		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene		Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	Xylene (mg/kg)	(mg/kg)	Chloride (mg/kg)
SW-16	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-17	2/6/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-18	2/6/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-19	2/6/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Sims Pit	1/21/2025	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	ry Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

(SW) Sidewall Sample

APPENDIX B



Caza Operating, LLC

Photograph No. 1

Facility:	Igloo 19-24 State Federal Com #013H

County: Lea County, New Mexico

Description:

View Southeast of facility sign.



Photograph No. 2

Facility:	Igloo 19-24 State Federal Com
	#013H

County: Lea County, New Mexico

Description:

View North, area of CS-1 through CS-4.



Photograph No. 3

Facility:	Igloo 19-24 State Federal Com #013H

County: Lea County, New Mexico

Description:

View South, area of CS-5 and CS-6.





Caza Operating, LLC



Caza Operating, LLC

Photograph No. 7

Facility:	Igloo 19-24 State Federal Com #013H

County: Lea County, New Mexico

Description:

View Southwest, area of CS-21 through CS-23.



Photograph No. 8

Facility:	Igloo 19-24 State Federal Com #013H
County:	Lea County, New Mexico

Description:

View North, area of CS-24 through CS-26.



Photograph No. 9

Facility:	Igloo 19-24 State Federal Com #013H
County:	Lea County, New Mexico

Description:

View South, area of CS-27 through CS-31.



Caza Operating, LLC

Photograph No. 10

Facility:	Igloo 19-24 State Federal Com #013H

County: Lea County, New Mexico

Description:

View Northeast, area of CS-32 through CS-35.



Photograph No. 11

Facility:	Igloo 19-24 State Federal Com #013H
County:	Lea County, New Mexico

Description:

View Southeast of backfilled area.



Photograph No. 12

Facility:	Igloo 19-24 State Federal Com #013H

County: Lea County, New Mexico

Description:

View North of backfilled area.



.

PHOTOGRAPHIC LOG

Caza Operating, LLC

Photograph	No. 13	SVV VV NWV N 210 240 270 300 330 0 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 •
Facility:	Igloo 19-24 State Federal Com #013H	© 292°W (T) LAT: 32.555548 LON: -103.495764 ±649ft ▲ 3779ft
County:	Lea County, New Mexico	
Description: View West of	backfilled area.	Backfill Carmona Resources Backfill Carbo 11 Feb 2025, 12:50:23
Photograph	No. 14	N NE E SE 30 0 30 60 90 120 150
Facility:	lgloo 19-24 State Federal Com #013H	© 64°NE (T) LAT: 32.555448 LON: -103.495617 ±137ft ▲ 3789ft
County:	Lea County, New Mexico	t have been the second second
Description: View Northeas	st of backfilled area.	Backfill Carmona Resources Caza-Igloo 11 Feb 2025, 12 51 41
Photograph	No. 15	VV INVV IN INE 0 270 300 330 0 30 60 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •
Facility:	Igloo 19-24 State Federal Com #013H	336°NW (T) LAT: 32.555448 LON: -103.495617 ±137ft ▲ 3789ft
County:	Lea County, New Mexico	
Description: View Northwe	st of backfilled area.	Backfill Camona Resources Caza-Igloo 11 Feb 2025, 12:51:39

APPENDIX C



General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Operator:	OGRID:	
CAZA OPERATING, LLC	249099	l
200 N Loraine St	Action Number:	i.
Midland, TX 79701	409796	l
	Action Type:	l
	[NOTIFY] Notification Of Release (NOR)	J

QUESTIONS

Location of Release Source		
Please answer all the questions in this group.		
Site Name	Igloo 19 24 State Federal Com #013H	
Date Release Discovered	12/08/2024	
Surface Owner	Private	

Incident Details

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

Page	2300	f 1 47	
------	------	---------------	--

QUESTIONS

Action 409796

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 409796

Page 24cof 147

QUESTIONS (continued)

Operator.	UGRID.
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	409796
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

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

Released to Imaging: 3/13/2025 4:48:08 PM

and attach all information needed for closure evaluation in the follow-up C-141 submission.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	409796
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.		
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.		
M	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.		
2	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.		
M	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.		
M	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Page 25cof 147

ACKNOWLEDGMENTS

Action 409796

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	409796
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS			
Created By	Condition	Condition Date	
karrendondo	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/9/2024	

.

CONDITIONS

Action 409796

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Page 27cof 147

Action 426855

QUESTIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	426855
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434433845
Incident Name	NAPP2434433845 IGLOO 19 24 STATE FEDERAL COM #013H @ 30-025-46480
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-46480] IGLOO 19 24 STATE FEDERAL COM #013H

Location of Release Source

Site Name	Igloo 19 24 State Federal Com #013H
Date Release Discovered	12/08/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	3,900	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/04/2025	
Time sampling will commence	10:00 AM	
Please provide any information necessary for observers to contact samplers	Conner Moehring - 432-813-6823	
Please provide any information necessary for navigation to sampling site	32.555566, -103.496034	

General Information Phone: (505) 629-6116

CONDITIONS

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	426855
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
tberry	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/30/2025

CONDITIONS

Action 426855

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Page 29eof 147

Action 427850

QUESTIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	427850
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434433845
Incident Name	NAPP2434433845 IGLOO 19 24 STATE FEDERAL COM #013H @ 30-025-46480
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-46480] IGLOO 19 24 STATE FEDERAL COM #013H

Location of Release Source

Site Name	Igloo 19 24 State Federal Com #013H				
Date Release Discovered	12/08/2024				
Surface Owner	Private				

Sampling Event General Information

Please answer all the questions in this group.				
What is the sampling surface area in square feet	2,837			
What is the estimated number of samples that will be gathered	26			
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2025			
Time sampling will commence	10:00 AM			
Please provide any information necessary for observers to contact samplers	Conner Moehring - 432.813.6823			
Please provide any information necessary for navigation to sampling site	32.555575, -103.496285			

General Information Phone: (505) 629-6116

CONDITIONS

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	427850
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By	d Condition	Condition Date
tberr	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/3/2025

CONDITIONS

Action 427850

APPENDIX D









New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix (R=POD has indicates been the POD has been replaced, replaced O=orphaned, & no longer serves a C=the file is (quarters are water right file.) closed) smallest to largest) (meters) (In feet) Well **Depth Water** Sub Y **POD Number** Code basin County Q64 Q16 Q4 Sec Tws Range X Map Distance Depth Water Column CP 00665 CP LE NW SE 24 20S 34E 639740.0 3603128.0 * 1436 698 270 428 CP 01204 POD1 CP LE SW NW NW 25 20S 34E 638755.1 3602250.6 2537 370 CP 00654 POD1 CP LE SE SE 12 20S 34E 640103.0 3605947.0 * 3114 60

Average Depth to Water: 270 feet

Minimum Depth: 270 feet

Page 34 of 147

Maximum Depth: 270 feet

Record Count: 3

UTM Filters (in meters):

Easting: 641172.15 Northing: 3603022.21 Radius: 4000

* UTM location was derived from PLSS - see Help

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

Released to Imaging: 3/13/2025 4:48:08 PM

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 V

 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.

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 = • 323148103295801

Minimum number of levels = 1 <u>Save file of selected sites</u> to local disk for future upload

USGS 323148103295801 20S.35E.31.12311

Lea County, New Mexico Latitude 32°32'06", Longitude 103°30'03" NAD27 Land-surface elevation 3,729.00 feet above NGVD29 The depth of the well is 85 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measure
1954-06-25		D	62610		3660.85	NGVD29	Р	Z		
1954-06-25		D	62611		3662.41	NAVD88	Р	Z		
1954-06-25		D	72019	68.15			Ρ	Z		
1961-03-08		D	62610		3662.62	NGVD29	Р	Z		
1961-03-08		D	62611		3664.18	NAVD88	Р	Z		
1961-03-08		D	72019	66.38			Р	Z		
1966-03-02		D	62610		3659.84	NGVD29	Р	Z		
1966-03-02		D	62611		3661.40	NAVD88	Р	Z		
1966-03-02		D	72019	69.16			Р	Z		
1968-04-17		D	62610		3661.43	NGVD29	Р	Z		
1968-04-17		D	62611		3662.99	NAVD88	Р	Z		
1968-04-17		D	72019	67.57			Р	Z		
1971-01-26		D	62610		3663.55	NGVD29	1	Z		
1971-01-26		D	62611		3665.11	NAVD88	1	Z		
1971-01-26		D	72019	65.45			1	Z		

Released to Imaging: 3/13/2025 4:48:08 PM

Page 36 of 147

Received by OCD: 3/10/2025 12:57:56 PM

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(
1976-02-18		D			3664.67	NGVD29	1	Z		
1976-02-18		D			3666.23	NAVD88	1	Z		
1976-02-18		D	72019	64.33			1	Z		
1981-02-18		D	62610		3664.97	NGVD29	1	Z		
1981-02-18		D	62611		3666.53	NAVD88	1	Z		
1981-02-18		D	72019	64.03			1	Z		
1986-04-09		D	62610		3664.07	NGVD29	1	Z		
1986-04-09		D	62611		3665.63	NAVD88	1	Z		
1986-04-09		D	72019	64.93			1	Z		
1991-07-03		D	62610		3662.96	NGVD29	1	Z		
1991-07-03		D	62611		3664.52	NAVD88	1	Z		
1991-07-03		D	72019	66.04			1	Z		
1996-02-02		D	62610		3663.71	NGVD29	1	S		
1996-02-02		D	62611		3665.27	NAVD88	1	S		
1996-02-02		D	72019	65.29			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

<u>Questions or Comments</u> <u>Help</u> <u>Data Tips</u> <u>Explanation of terms</u> <u>Subscribe for system changes</u>

Accessibility FOIA Privacy

Policies and Notices

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

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2025-02-05 01:01:17 EST 0.32 0.23 nadww01


		•	are 1=NW 2=NE ers are smallest					NAD83 UTM	in meters		
Nell Tag P	OD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	x	Y	Мар	
C	P 00665		NW	SE	24	20S	34E	639740.0	3603128.0 *	9	
JTM location w	as derived	from PLSS	- see Help								_
Oriller License	e: 421		Driller Co	mpany:	GLEN	NN'S WA	ATER WI	ELL SERVICE			
oriller Name:	GLE	ENN, CLAF	rk A."Corky	" (LD)							
Drill Start Dat	te: 198	4-05-25	Drill Finisl	n Date:	1984	-05-28			Plug Date:		
og File Date	: 198	4-06-11	PCW Rcv	Date:					Source:		Shallow
Pump Type:			Pipe Disch	arge Size:					Estimated Yi	eld:	13
Casing Size:	6.63	3	Depth We	11:	698				Depth Water	r:	270

Тор	Bottom	Description
364	396	Sandstone/Gravel/Conglomerate

Casing Perforations:

 Top
 Bottom

 360
 420

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.

2/4/25 11:02 PM MST

Point of Diversion Summary

©2024 New Mexico Office of the State Engineer, All Rights Reserved. | Disclaimer | Contact Us | Help | Home |

Received by OCD: 3/10/2025 12:57:56 PM

Igloo 19-24 State Federal Com #013H (12.08.2024)



Received by OCD: 3/10/2025 12:57:56 PM

Igloo 19-24 State Federal Com #013H (12.08.2024)



Released to Imaging: 3/13/2025 4:48:08 PM

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

APPENDIX E





January 14, 2025

CONNER MOEHRING CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: IGLOO 19-24 STATE FED COM 013H

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 1 (0-1') (H250160-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/13/2025	ND	1.64	82.2	2.00	2.09	QM-07
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	QM-07
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	QM-07
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	QM-07
Total BTEX	<0.300	0.300	01/13/2025	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	Qualifie
Chloride	1660	16.0	01/14/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 2 (0-1') (H250160-02)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	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	1600	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 2 (1.5') (H250160-03)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 2 (2') (H250160-04)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 3 (0-1') (H250160-05)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 3 (1.5') (H250160-06)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	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	16.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 3 (2') (H250160-07)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 4 (0-1') (H250160-08)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	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	304	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 4 (1.5') (H250160-09)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	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	144	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 4 (2') (H250160-10)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 5 (0-1') (H250160-11)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 5 (1.5') (H250160-12)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 5 (2') (H250160-13)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 6 (0-1') (H250160-14)

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	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 6 (1.5') (H250160-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 6 (2') (H250160-16)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2025	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	01/13/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: S - 7 (0-1') (H250160-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2025	ND	1.64	82.2	2.00	2.09	
Toluene*	<0.050	0.050	01/13/2025	ND	1.77	88.7	2.00	0.936	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.81	90.4	2.00	0.0715	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.42	90.3	6.00	0.254	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/14/2025	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	01/14/2025	ND	187	93.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	192	95.8	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

2	Comments: Email t	S-4 (2')	S-4 (1.5)	S-4 (0-1	S-3 (2')	S-3 (1.5)	S-3 (0-1	S-2 (2')	S-2 (1.5')	S-2 (0-1")	S-1 (0-1')	Sample Identifi	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	roject Location	Project Number:	Project Name:			te ZIP:			Project Manager: Co
	Mike Carmo)								cation			Yes N	Yes	Temp			Lea C		Igloo 19-2		2-813-6823	dland, TX 797	0 W Wall St S	rmona Resour	Conner Moehring
Relinquished	na / Mcarmo	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/13/2025	Date		N/A	NIA	No			CRM & PB	ounty, New N	2623	4 State Fed C			01	te 500	'ces	
by: (Signature)	na@carmonare:											Time	Corrected Tempera	Temperature Read	Correction Factor:	Thermometer ID:	Yes No)		lexico		om 013H						
	sources.com a	×	×	×	×	×	×	×	×	×	×	Soil	ature:	ling:			Wet Ice:			Due Date:	Routine	Turn.		Email:				
	nd Conner Mo	G	G	G	G	G	G	G	G	G	G	Water Com	0.10	(ivi)	-0.UK	TO	Yes No	>	(24 HR	✓ Rush	Around		mcarmona@c	City, State ZIP:	Address:	Company Name	Bill to: (if different)
	ehring /				-	-	-	1	-	1	1			1	P	'ara	amet	ers			Code	Pres.		armonare				
Date/	Cmoeh	×	< ×	×	×	×	×	×	×	×	×				BTE	x 80	021B							Source				Carmo
Time	ring@c	~	< >	×	×	×	×	×	×	×	×	ТР	РН 80	0151	/ (G	RO	+ DR	0+	MRC)				s.com				Carmona Resources
-	carmon	>	< >	< ×	×	×	×	×	×	×	×				Chlo	ride	4500)			+	-						ources
\$	aresou		+	+	+	+	+	-	+	+	-	-					1				+	-						
and and a			+	+	+	+	+	+	t	+	\vdash						-				t	ANAL						
5	ă		T			T																YSIS R						
Receive			+	+	+	-	+	+	+	+	-	-									+	EQUES					Pro	
		╟	+	+	+	+	+	+	+	+	+	+									+	-	1	IVEIGDIE	poining-c	le oi r i	igram: L	
Signatu			+	+	1	+	T		T	T							j.							9. EUU		evel II	JST/PS	
re)																					+	_				I eve	T _ PRF	Wor
			+	+	+	+	+	+	+	+	+	-				_				-	+	-		100			Bro	Orde
			E	20	~	10	-0		= 1,1	10				NaO	ZnA	Nass	NaH	нр	H-SO	HCI.		None				T/UST	wntield	Work Order Comments
	-				t		0			4	1	Samp		H+Ascol	cetate+h	O. Na	504: INA	HP	H,	HO U	2 INC	Preser		Cur	Г			nents
Dat												le Com		rbic Acid	laOH: Z	SO'	BIS		Nac	HN	Mon of	Valive						
e/Time	1											ments		: SAPC	D				DH: Na	D HN		Vater 1	odae			evel IV	perium	
	Relinquished by: (Signature) Date/Time Received by: (Signature) Date/Time Received by: (Signature) Date/Time	Received by:	1/13/2025 X G 1 X A 5 Mike Carmona / Mcarmona@carmonaresources.com 6 Mike Carmona / Mcarmona@carmonaresources.com 7 Mike Carmona / Mcarmona@carmonaresources.com 8 Relinquished by: (Signature) 9 Date/Time 9 Received by: (Signature)	Received by: (Signature)	rces.com	rces.com	rces.com	rces.com	rces.com	Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	Generature: Connected Temperature: Connected Temperature: Connected Temperature: Connected Temperature: PH at the temperature: PH at temperatex at temperature: PH at temperatur	View Temperature COTTO Machine Machine <th< td=""><td>Yes Wa Correction Factor: </td><td>Visit Way No. Thermonatule Technon Ourrection Factor: Technon O</td><td>Trans Blank: Val. No. Water Yes. No. Water Themmenter D: Paramat Visit Vol. NVA Correction Faster: </td><td>EIPT Temp Blan: Vid Wet Icc. Visit Visit</td><td>CRM & PB CRM & PB Yes No Thermometer ID Gametification Date Time Soil Wath period Parameter 2 (1-1) 11/3/02/5 X G 1 X X Parameter 3 (1-1) 11/3/02/5 X G G 1 X X X G Immeter Immeter Immeter Soil Wath period Date Time Soil Wath period Date Time Soil Wath period Parameter 2 (1-1) 11/3/2025 X G 1 X X X G 1 X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X<</td><td>Les County, New Mexico Due Date: 24 HR (MA PB EIPT Temp Blank: Vel, No. Weithow Vel, No. seals: Vel, No. Temperature Reading: Vel, No. Paramaters seals: Vel, No. Time Councided Temperature Reading: Paramaters Paramaters 2(0-1) 1/13/0025 X G 1 X X 2(15) 1/13/0025 X G 1 X X Z 3(0-1) 1/13/0025 X G 1 X X X A 3(0-1) 1/13/0025 X G 1 X X X A 3(1:5) 1/13/0025 X G 1 X X A A A A A A A A A A A A A A A A A A A A A A A A A A A A</td><td>2823 Image: County, Medice Value Data Value Data Value Other Data Value One of the the the the the the the the the the</td><td>Iglio 124 Turn (2) Turn (2) Anno (2) Ann</td><td>Name: Igio 19-24 State Fed Com 013H The Avender Parameter Annu visit Annu</td><td>AD2-812-8827 Email Incomon@comment Time Auting Time Auting Time Auting Aut VSIS RECUEST For Participation Numme: </td><td>Bar ZP Middland, TX '19701 Email Incrinorand/Componention/Location Mail Incrinorand/Location Mail Incrinorand/Lo</td><td>ser diduct IX 19301 enal network operation opera</td><td>Image: Company Name: Company Name: Open parts Spany Parts</td></th<>	Yes Wa Correction Factor:	Visit Way No. Thermonatule Technon Ourrection Factor: Technon O	Trans Blank: Val. No. Water Yes. No. Water Themmenter D: Paramat Visit Vol. NVA Correction Faster:	EIPT Temp Blan: Vid Wet Icc. Visit Visit	CRM & PB CRM & PB Yes No Thermometer ID Gametification Date Time Soil Wath period Parameter 2 (1-1) 11/3/02/5 X G 1 X X Parameter 3 (1-1) 11/3/02/5 X G G 1 X X X G Immeter Immeter Immeter Soil Wath period Date Time Soil Wath period Date Time Soil Wath period Parameter 2 (1-1) 11/3/2025 X G 1 X X X G 1 X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X<	Les County, New Mexico Due Date: 24 HR (MA PB EIPT Temp Blank: Vel, No. Weithow Vel, No. seals: Vel, No. Temperature Reading: Vel, No. Paramaters seals: Vel, No. Time Councided Temperature Reading: Paramaters Paramaters 2(0-1) 1/13/0025 X G 1 X X 2(15) 1/13/0025 X G 1 X X Z 3(0-1) 1/13/0025 X G 1 X X X A 3(0-1) 1/13/0025 X G 1 X X X A 3(1:5) 1/13/0025 X G 1 X X A A A A A A A A A A A A A A A A A A A A A A A A A A A A	2823 Image: County, Medice Value Data Value Data Value Other Data Value One of the	Iglio 124 Turn (2) Turn (2) Anno (2) Ann	Name: Igio 19-24 State Fed Com 013H The Avender Parameter Annu visit Annu	AD2-812-8827 Email Incomon@comment Time Auting Time Auting Time Auting Aut VSIS RECUEST For Participation Numme:	Bar ZP Middland, TX '19701 Email Incrinorand/Componention/Location Mail Incrinorand/Location Mail Incrinorand/Lo	ser diduct IX 19301 enal network operation opera	Image: Company Name: Company Name: Open parts Spany Parts

Received by OCD: 3/10/2025 12:57:56 PM

Page 60 of 147

Chain of Custody

Work Order No: H250100

Page 20 of 21

Page 61 of 147

Chain of Custody

Page 21 of 21



January 14, 2025

CONNER MOEHRING CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: IGLOO 19-24 STATE FED COM 013H

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 1 (0-0.5') (H250159-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 2 (0-0.5') (H250159-02)

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	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 3 (0-0.5') (H250159-03)

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	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 4 (0-0.5') (H250159-04)

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	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	64.0	16.0	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 5 (0-0.5') (H250159-05)

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	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	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	32.0	16.0	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/13/2025	Sampling Date:	01/13/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO, NM		

Sample ID: H - 6 (0-0.5') (H250159-06)

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	01/13/2025	ND	1.57	78.6	2.00	11.6	
Toluene*	<0.050	0.050	01/13/2025	ND	1.65	82.7	2.00	11.4	
Ethylbenzene*	<0.050	0.050	01/13/2025	ND	1.67	83.6	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/13/2025	ND	5.14	85.6	6.00	11.9	
Total BTEX	<0.300	0.300	01/13/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2025	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	01/13/2025	ND	166	83.0	200	2.75	
DRO >C10-C28*	<10.0	10.0	01/13/2025	ND	168	83.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	01/13/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Jours				Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com			H-6 (0-0.5')	H-5 (0-0.5')	H-4 (0-0.5')	H-3 (0-0.5')	H-2 (0-0.5')	H-1 (0-0.5)		Sample Identification	Total Containers:	Seals:			SAME LO MEONE			Sampler's Name:	Project Location	Project Number:	Project Name: Iglo		Phone: 432-813-6823	City, State ZIP: Midland, TX 79701	Address: 310 W Wa	Company Name: Calificitie Resources		Braiect Manager Conner Moehring					
	your	Relinquished			Carmona / Mcarm			1/13/2025	1/13/2025	1/13/2025	1/13/2025	1/1 <i>3/2</i> 025	1/10/2020	200002	Date		Tes NO NIA	NO NIA	Ves No N/A		Temo Blank:		CRM & PB	Lea County, New Mexico	2623	Igloo 19-24 State Fed Com U13H		823.	X 79701	310 W Wall St Ste Suy		Pasolinoas	ehring					
<	Y	Relinguished by: (Signature)			ona@carmonares										Time		Corrected Temperature	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No					Com U13H												
					ources.com a			,	×	×	×	×	×	×	Soil		ure:	jä:			Wet Ice:			Due Date:	Kouuite	Deutino	ľ	Email.	1		ł	0	m					
					ind Conner Mo				G	G	G	G	G	G	Water Comp	Grab/	0.7:	1.3:	-Que:	HO	Yes No	2	(24 HR	-	Rush	Troind			City State ZIP:	Address:	Company Name:	Bill to: (if different)				9	Ch
-	-				behring /				_	_	_	1	1	1		# of			Pi	ara	met	ers		×	Loue	Pres.	+		rmonare									Chain of Custody
	3.2	Date			Cmoe	+	H		×	×	×	×	×	×				E	BTEX	80	21B								sources				Carmona Resources					j C
		Date/Time			hring(e	T			×	×	×	×	×	×		TPH	1 801	15M	(GF	20	+ DF	101	MR	20)	_				.com				na Reso					Isto
	531				ycarm				×	×	×	×	×	×				C	hlor	ide	459	D			_		¢						ources					Vb
					onare																																	
	0				Source																					_	AN											
	G				33.00										+										_		IALYS											
	2	T				+	-					-	-	+	+						-	_			-	-	IS RE(ľ			
	4	Received by:				+	+	+	\vdash	\vdash	\vdash	+	+	+	+			-	-		-	-					ANALYSIS REQUEST		Deliv	керс		State	Prog					
	8	id by: (+	+	+	\vdash	\vdash	+	+	+	t	+							1				T			erables	orung.La		State of Project:	ram: U					
	0	(Signature				+	+	\dagger	t	t	t	t	t	t	+	-													Deliverables: EDD			iect:	ST/PS1				Wo	
		ure)				1	1	T												_											I AVA	0	PRI	Wor			rk Or	
												-		4	_	_				_			2		_	+	-		20	5 [■	I	Bro	< Orde			der N	
						-	+	-					10					Na	Zn	Na	Na	H3H3H	H ₂ S	HC	Co	Nor	:		AUar I				Program: UST/PST PRP Brownfields RRC	Work Order Comments			<u>.</u>	-
										.p	1-	F	12	1		San		OH+As	Acetate	Na2S2O3: NaSO3	NaHSO4: NABIS	H ₃ PO ₄ : HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Pres	1		1	RRP		ls R	ments	Page_		5	
																Sample Comments		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	VaSO ₃	VABIS		_	-	_	_	Preservative coues										Work Order No: 1050150)
		Date/ 1 Ime	nate/T													omme		cid: S/	ł: Zn				NaOH: Na	HNO3: HN	MeOH: Me	DI Water. 1120	N Minto	2					uperfund		of		0	
		IIIIe	mp													Its		PC					Na	z	Me	1. 1120	L L D	ň			<		Ind		ſ			2
				-		Ц			_			_	-	-				-				1	-												P	age	9 of 9)

Released to Imaging: 3/13/2025 4:48:08 PM

Page 70 of 147



February 05, 2025

CONNER MOEHRING CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: IGLOO 19-24 STATE FED COM 013H

Enclosed are the results of analyses for samples received by the laboratory on 02/04/25 15:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 1 (2') (H250666-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	320	16.0	02/05/2025	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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


2623

LEA CO, NM

Tamara Oldaker

Sample Received By:

Analytical Results For:

CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To: 02/04/2025 02/05/2025 Sampling Date: 02/04/2025 02/05/2025 Sampling Type: Soil IGLOO 19-24 STATE FED COM 013H Sampling Condition: Cool & Intact

Sample ID: CS - 2 (2') (H250666-02)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	384	16.0	02/05/2025	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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 3 (2') (H250666-03)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	352	16.0	02/05/2025	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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 50 MIDLAND TX, 79701 Fax To:	0	
Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 4 (2') (H250666-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	304	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 5 (2') (H250666-05)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To: 02/04/2025 Sampling Date:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 6 (2') (H250666-06)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	336	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 7 (3') (H250666-07)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 8 (3') (H250666-08)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	688	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



LEA CO, NM

Analytical Results For:

	CARMONA RESOURCES CONNER MOEHRING	5	
	310 W WALL ST, SUIT	E 500	
	MIDLAND TX, 79701		
	Fax To:		
Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker

Sample ID: CS - 9 (3') (H250666-09)

Project Location:

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	320	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	11.7	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 10 (3') (H250666-10)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	144	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	106 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 11 (3') (H250666-11)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	24						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 12 (3') (H250666-12)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	272	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 13 (3') (H250666-13)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	400	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 14 (3') (H250666-14)

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	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	288	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 15 (3') (H250666-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	288	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 16 (3') (H250666-16)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 17 (3') (H250666-17)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.02	101	2.00	6.35	
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	110	2.00	6.04	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.16	108	2.00	6.07	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.75	112	6.00	5.94	
Total BTEX	<0.300	0.300	02/04/2025	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	304	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 18 (3') (H250666-18)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	272	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	16.9	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 19 (3') (H250666-19)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	240	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 20 (3') (H250666-20)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	240	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/05/2025	ND	183	91.4	200	2.23	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	177	88.6	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 1 (2') (H250666-21)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	192	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/04/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 2 (2') (H250666-22)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	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	48.0	16.0	02/05/2025	ND	416	104	400	10.9	
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	02/04/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 3 (2') (H250666-23)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	02/05/2025	ND	416	104	400	10.9	
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	02/04/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 4 (2') (H250666-24)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	256	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/04/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 5 (1') (H250666-25)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	240	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/04/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					
Surrogate: 1-Chlorooctane	54.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 6 (3') (H250666-26)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	272	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/05/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 7 (3') (H250666-27)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	192	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/05/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 8 (1.5') (H250666-28)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	192	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/05/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 9 (3') (H250666-29)

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	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	160	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/05/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/04/2025	Sampling Date:	02/04/2025
Reported:	02/05/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM 013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 10 (3') (H250666-30)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2025	ND	2.32	116	2.00	0.668	
Toluene*	<0.050	0.050	02/04/2025	ND	2.45	122	2.00	2.67	
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.49	125	2.00	2.95	
Total Xylenes*	<0.150	0.150	02/04/2025	ND	7.54	126	6.00	0.0506	
Total BTEX	<0.300	0.300	02/04/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	96.0	16.0	02/05/2025	ND	416	104	400	7.41	
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	02/05/2025	ND	193	96.5	200	0.123	
DRO >C10-C28*	<10.0	10.0	02/05/2025	ND	191	95.7	200	0.965	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

							ton go	2 Kro	ma	
MALE BALLO DA	TUNNUL N		Date/Time	140			Relinquished by: (Signature)	Relinqui		
	2									
	0	laresources	Carmon	oehring@	Noehring / Cm	s.com, Conner	Mcarmona@carmonaresources.com, Conner Moehring / Cmoehring@carmonaresources.		CS-10 (3) CS-10 (3) Comments: Email to Mike Carmona /	Comments: E
		×	X X	1	c	×		21412020	CS-9 (3)	
		×	××	1	С	×		21412020	CS-8 (3)	
		×	X X	1	С	×		21412025	CS-7 (3')	7
		×	X X	1	c	×		21412020	CS-6 (2')	
		×	××	1	С	×		21412020	CS-5 (2')	
		×	××	1	С	×		21412025	CS-4 (Z)	
		×	+	1	С	×		202021712	CS-3 (Z)	0
		×	××	1	С	×		202021712	CS-2 (2)	
		×	+	-	c	×		2/4/2025	(2) 1-00	
		< >	+	+	С	×		2/4/2025	1 (2)	2
		×	+	Cont	Water Comp	-	Time	Date	Sample Identification	Sample I
Sample Comments			TPH	# 0,	Grab/		Collected Leniborania			Total Containers:
			801		5.4.0		Temperature Reauling.	NO NA	eals: Yes	Sample Custody Seals:
NaOH+Ascorbic Acid: SAPC		Cł			50		Correction Facility	No		Cooler Custody Seals:
Zn Acetate+NaOH: Zn		nlori		Pa	2	I	Thermometer IV.			Received Intact:
Na.S.O.: NaSO3		de 4			5	#		Temp Blank:		SAMPLE RECEIPT
NaHSO4: NABIS		1500	DRC	nete	Yes No	Wet Ice:	Vac No	1		PO #
HAPOA: HP) + N	rs		1		CIVINI		Sampler's Name:
2	-		IRO			\neg		Lea County, New Mexico		Project Location
HCL: HC HNO3: HN)		24 HR TAT	Dile Date:		2020		Project Number:
Cool: Cool MeOH: Me				Code	2 Rush	Routine		5C3C	line	Project Name.
None: NO DI Water: H ₂ C		-		Drec	und	Turn Around	Idoo 19-24 State Federal Com #013H	10-24 State Fed	Inloo	
DUEST Preservative Codes	ANAL VSIS REQUEST					Email: UIII			432-813-6823	Phone:
Deliverables: EDU LA Avera Concernantes			ces.com	onaresolir	ony, outo			9701	Midland, TX 79701	City, State ZIP:
					State 7IP.	7		t Ste 500	310 W Wall St Ste 500	Address:
State of Fredominian and III Dest/JIST TITRRP Level IV					Address:	Add		ources	Carmona Resources	Company Name:
					Company Name:	Соп		iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	COILIEI MIOEIIIIIS	Project Manager:
Brogram: IIST/PST PRP Brownfields RRC uperfund		ources	Carmona Resources	Can	Bill to: (if different)	Bill t		inn	Cospor Moch	
Work Order Comments										
Page1 of3										
2HP2										
Work Order No: 100										
N NU VEH		3	0000	0100	Cliant					
1		<	stod	of Cil	Chain of Custody					

Received by OCD: 3/10/2025 12:57:56 PM

Page 33 of 35

-
\cap
N 1
xxxxxxxxx
011
270
-
Harten .
-
0
0
and a
100
()
-
and the second
cn i
1000
0
~
0
destions
-
and the second

1

Received by	v OCD:	3/10/2025	12:57:56 PM
-------------	--------	-----------	-------------

6		_	10	10	×.	17	6	3	R	ũ	2	1				Sa	Co	Re	1S	PO	Sal	Pro	Pro	Pro	Pho		2 H	Add	Con	Proj						
		Comments: Em	CS-	CS-	CS-	CS-	CS-	CS-	CS-1	CS-1	CS-1	CS-1	Sample res	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:	Ulty, Utaro	State 7IP:		Company Name:	Project Manager:						
		Email to Mike Carmona	CS-20 (3')	CS-19 (3')	CS-18 (3')	CS-17 (3')	CS-16 (3')	CS-15 (3')	CS-14 (3')	CS-13 (3')	CS-12 (3')	CS-11 (3')		ntification		als: Yes	ils: Yes							Igloo	402-010-0020	132 813 682	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring						
Relino		-	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	0	Date	1	s NO MA	No	N Se	Temp Blank:		CMM	Lea County, New Mexico	2623	19-24 State Fi		2	79701	it Ste 500	sources	ring						
Relinquished by: (Signature)		Mcarmona@carmonaresources.com, Conner Moeining	5	5	5	0	5	5	5					Time	Corrected Temperature	Temperature Reading.	Correction Facilor	I nermonierer in.	Tes ov	Var NO	IM	New Mexico	23	Igloo 19-24 State Federal Com #UT3H												
		ources.com, Con	>	< >	< ;	× ;	× ;;	× `	× >	× ;	×	×	×	Soil	e					Wet Ice:		Due Date.			Tum	Email:										
		ner moenning	hashring							0	C	C	0	Water Comp	1.40	2.14%	5.32	+0.36	#140	Yes No		2710100	DA HR TAT	R Rich	Turn Around	Email: cmoehring@carmonaresources.cuiti	City, State ZIP:	Address.	Collipsi i J	Company Name	Bill to: (if different)					
3		Chicom	Cmoohri	+	0 _	0	0	C 1	C 1	_	-	-	-	np Cont	╨			Pa		nete	rs		CORE	Pres.		armonares										
Value I	Date/Time		nnacarn	×	×	×	×	×	×	×	×	×	×			904		TEX	-) + M	RO)		_		Sources.cd					Carmona Resources					
3051	ime		Cmochring@carmonaresource	×	××	××	××	××	×	X X	X X	X X	× ×		РН	801		nlori	-												Resources					
7																			1																	
0	/		n, and Iva																						ANALYSI											
follow	Rece		s.com, and Ivan Ramos/Iramos@carmonaresources.com	_													_								ANALYSIS REQUES		De	Re	St	Pr						
N.S.	Received by: (Signature)		Iramos@					+	-	-	+	+	+	-									_			2	Deliverables: EDD	Reporting:Level II Level III LPS1/US1 LINN	State of Project:	Program: US1/PS1 Program: US1/PS1 Program						
lale	Signature		carmona		F	+	t	T			+	+	+	-						_				╞	-				ect:		TIDOT	W			Work (
Ĵ			LESOUICE				+				+	+		+										-			ADa		, ,			ork Orde			Work Order No:	
1			0.000	e rom	+	+	+	+	+	+	+	+	+		(0)		NaOH	Zn Ace	Na ₂ S ₂ (NaHSC	H.PO.: HP	H,S0.: H,	Cool: Cool	NOIIG. NO	Name N	Pr	ADaPT L			William 1	wnfields	Work Order Comments	Page		0:	-
															Sample Comments		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	0					Preservative Codes	Uther.					nts	N		20-	2)
	Date/Time														omments		cid: SAPC	ł: Zn				NaOH: Na	HNO3: HN	ADDL: Mo	DI Water: H-O	e Codes		1			uperfund		of 3	Ja.	2	in min
																			,	1					0							F	l Pag	je 34	4 of	∱ f

0
5
<u></u>
0
0
2
St
0
9
-

		20	29	n d	Ru	20	24	R	2	2	AC .			Tota	Sam	Cool	Rect	SAI		Call	Com		Proie	Proje	FILUIIG.		City, S	Address:	Comp	Projec		
	SW-10 (3') 2 Comments: Email to Mike Carmona	C-AAC	CINI-0 (3)	SW-8 (1.5')	SW-7 (3')	SW-6 (3')	SW-5 (1')	SW-4 (2')	SW-3 (2')	SW-2 (2')	SW-1 (2')	Comp.	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT		odlipici o mino.	Complete Name:	at Location	Project Number:	Project Name:			City, State ZIP: M		Company Name: Ci	Project Manager:		
	0 (3') il to Mike C	101	(3)	(1.5')	(3')	(3')	(1")	(2')	(2')	(2')	(2')		tification		s: Yes									Igloo		432-813-6823	Midland, TX 79701	310 W Wall St Ste but	Carmona Resources		mon Moch	
		014100	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025	2/4/2025		Date		NO NIN	No		I EIII DIBITIS	own Blank:		C	Lea County,	26	19-24 State H		3	79701	Und als le	jources		rinn	
	A/ZUZ5 Mcarmona@carmonaresources.com, Conner Moehring /	'n	25	25	25	25	25	25	25	10	1 0	1	Time	Collected Lothbolom	Corrected Temperatury	Tomperature Reading:	Correction Factor:	Thermometer ID:	Yes No		CMM	Lea County, New Mexico	2623	Igloo 19-24 State Federal Com #01311	H012H							
	urces.com, Co	×	>	< >	× ;;	×	×	×	×	×	×	×	Soll		W.				Wet Ice:			Due Date:			Tu							
	nner Moehrin												Water (-	5.6	5.3-	10.5	#/40	Yes No			24 חת ואי	DA UD T	2 Rush	Turn Around	II. 011100	Email: cmoehring@carmonaresources.com	City, State ZIP	Address:	Company Name:	Bill to: (if different)	
	ig / Cmoe	C		0	0	0	0	C	0	C	C	C	Comp C	Grab/ #	Ċ		0	Para	2			-		Pres.			lcarmona	.9		ne:	n()	
	hring@	-		-	-	-	-	-	1	1 X	1 X	1 X		# of		E		X 80						÷ s			resourc				Carm	
Date/Time	carmor	\mathbb{H}	×	××	XX	XX	XX	X X	××	×	×	×	+	TP	H 80	15N	1 (G	RO	+ DI	RO	+ M	RO)			1		es.com				Carmona Resources	
	Cmoehring@carmonaresource	\mathbb{F}	×	×	×	×	×	×	×	×	×	×	<			c	hlo	ride	450	00											JULICES	DIFCOC
	is.com, ai											+	+		_		_	i t	_							ANA			ł			
	U IVan	d Ivan F	-		-	╀	+	+	+	+		+	+			_		1			_					YSIS R						
Receiv		amos/Ir			T	Ţ	+	-	-	-	-	+												╞	-	ANALYSIS REQUEST		Deliv	Repo	State	Prog	
Received by: (Signature)		and Ivan Ramos/Iramos@carmonaresources.com																	1									neliverables: EDD	Reporting:Level II Level III DPST/UST DTRRP	State of Project:	Program: UST/PST PRP Brownfields RRC	HOIN
the		ources.com												Sall	0	NaOH+As	Zn Acetate	Na2S2O3: NaSO3	NaHSU4: NADIO	13r V4. 1		H-S04: H-	HCI - HC	Cont. Cont	None: NO	Prese		ADaPT Ott	III DPST/UST DTR		Brownfields Rt	NOR CLOSE
Date/Time														Sample Comments	nla Commente	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaUn. 20	Nasu3	VADIO	5		NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Preservative voues	Linting Codes	Other:			RC Juperfund	

Page 35 of 35 5

Work Order No:



February 07, 2025

CONNER MOEHRING CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: IGLOO 19-24 STATE FED COM #013H

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 8 (3.25') (H250740-01)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 21 (1.5') (H250740-02)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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


CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 22 (1.5') (H250740-03)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 23 (1.5') (H250740-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 24 (1.5') (H250740-05)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 25 (1.5') (H250740-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To: 02/06/2025 Sampling Date:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 26 (1.5') (H250740-07)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 27 (1.5') (H250740-08)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 28 (1.5') (H250740-09)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 29 (1.5') (H250740-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 30 (1.5') (H250740-11)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	64.0	16.0	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 31 (1.5') (H250740-12)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 32 (1.5') (H250740-13)

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	02/06/2025	ND	1.98	98.8	2.00	1.19	
Toluene*	<0.050	0.050	02/06/2025	ND	2.12	106	2.00	0.167	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.19	110	2.00	0.0898	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.67	111	6.00	0.436	
Total BTEX	<0.300	0.300	02/06/2025	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	16.0	16.0	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 33 (2') (H250740-14)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	02/07/2025	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	02/06/2025	ND	199	99.4	200	0.692	
DRO >C10-C28*	<10.0	10.0	02/06/2025	ND	204	102	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	02/06/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 34 (2') (H250740-15)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: CS - 35 (2') (H250740-16)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 11 (1.5') (H250740-17)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 12 (1.5') (H250740-18)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 13 (2') (H250740-19)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 14 (2') (H250740-20)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	32.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 15 (2') (H250740-21)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 16 (1.5') (H250740-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	48.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 17 (1.5') (H250740-23)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 18 (0.5') (H250740-24)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	02/06/2025	Sampling Date:	02/06/2025
Reported:	02/07/2025	Sampling Type:	Soil
Project Name:	IGLOO 19-24 STATE FED COM #013H	Sampling Condition:	Cool & Intact
Project Number:	2623	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO, NM		

Sample ID: SW - 19 (2') (H250740-25)

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	02/06/2025	ND	1.78	89.1	2.00	0.788	
Toluene*	<0.050	0.050	02/06/2025	ND	1.99	99.5	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/06/2025	ND	2.00	99.8	2.00	1.29	
Total Xylenes*	<0.150	0.150	02/06/2025	ND	6.18	103	6.00	0.986	
Total BTEX	<0.300	0.300	02/06/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	<16.0	16.0	02/07/2025	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	02/07/2025	ND	238	119	200	0.145	
DRO >C10-C28*	<10.0	10.0	02/07/2025	ND	217	109	200	0.227	
EXT DRO >C28-C36	<10.0	10.0	02/07/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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

	Due Da	Bill to: (if different) 225 6 500 6 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	285 Bill to: (rf different) e 500 Company Name: e 500 Address: e 500 City, State ZIP: 11 Email: 2623 Email: 2623 Rush 2623 Blank: Yes <no< td=""> Due Date: 24 HR TAT Correction Factor: 00 Via Parameter ID: Wet Ice: Yes<no< td=""> Temperature Reading:</no<></no<>	285 Bill to: (if different) Carmoni 285 Company Name: Company Name: Address: 6 500 Address: City, State ZIP: Address: 11 Email: City, State ZIP: City, State ZIP: 14 State Federal Com #013H Turn Around Email: 2623 County, New Mexico Due Date: 24 HR TAT 2623 Due Date: 24 HR TAT Code 2623 Due Date: 24 HR TAT Pres. 3 County, New Mexico Due Date: 24 HR TAT Pres. 0 No Thermometer ID: Wet Ice: Yes Na 9 Parameters #7.40 #7.40 Parameters BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	Bill to: (if different) Carmona Resources 000 Company Name: Company Name: Company Name: 11 Company Name: Address: 12 Address: City. State ZIP: 11 Email: Cmoehring@carmonaresources.com 12 2623 Rush Care 2623 In Routine R Rush Care 2623 Due Date: 24 HR TAT Care 27 Horide 44500 HR TAT Care HR TAT	See See Seill to: (if different) Carmona Resources See See Company Name: Company Name: Company Name: e 500 Address: Address: e 500 Email Cnochring@carmonaresources.com 11 Turn Around Pres. 2623 County, New Mexico Incohring@carmonaresources.com 2623 County No Address: Cade 2623 Due Date: 24 HR TAT CMM Due Date: 24 HR TAT Conserver Ves No See Parameters BTEX 8021B M(GR0 + DR0 + MR0) SM (GR0 + DR0 + MRO) Incohr Hattor:	Ges Bill to: (r different) Carmona Resources Ges Company Name: Company Name: Ges Crity, State ZIP: Address: In Email: Crity, State ZIP: In In Email: CMM Routine Rush Cede In In CMM Due Date: 24 HR TAT Second In In No Thermometer ID: Ves Nac In In In In In In In	Open Bill to: (if different) Carmona Resources Open 6500 Company Name: Company Name: e 500 Address: Address: e 500 Email: Cmoehrind@carmonaresources.com Email: Cmoehrind@carmonaresources.com 11 Turn Around Email: Cmoehrind@carmonaresources.com 2623 I Rush Code 2623 I I Routine III Routine 2623 I III Routine III Rush Code 2623 I III Routine III Routine III Rush 2623 III Routine III Routine III Rush Pres. 2623 III Routine III Rush Pres. III Rush 2623 III Routine III Rush Pres. III Rush 2623 III Rush III Rush Pres. III Rush 2600 III Rush III Rush III Rush III Rush 2601 III Rush III Rush III Rush III Rush 2601 III Rush III Rush III Rush III Rush 2601 III Rush III Rush III Rush III Rush 201 III Rush IIII Rush III Rush III Rush	Bill to: (# different) Carmona Resources 00 Company Name: Company Name: 11 Company Name: Address: 12 Company Name: Company Name: 13 Email: cmoehring@carmonaresources.com 14 State Federal Com #013H Turn Around 2623 Rush Code 2623 Due Date: 24 HR TAT 260 Wet Ice: Yes No 260 Wet Ice: Yes No 260 Wet Ice: Yes No 260 Harameters 260 Harameters 260 Harameters 260 Harameters	Open Bill to: (if different) Carmona Resources 00 Company Name: Company Name: 11 Company Name: Address: 12 City, State ZIP: City, State ZIP: 14 State Federal Com #013H Email: Cmoehring@carmonaresources.com 2623 County, New Mexico Due Date: 24 HR TAT 2623 County, New Mexico Due Date: 24 HR TAT 2623 Due Date: 24 HR TAT Pres. 3 County, New Mexico Due Date: 24 HR TAT 9 Wet Ice: Yes No Yes No 9 Mill (GRO + DRO + MRO) Intermometer ID: Intermodeters 9 Mill (GRO + DRO + MRO) Intermodeters Interview	Bill to: (if different) Carmona Resources 285 Company Name: Company Name: 11 Address: Address: 11 Email: Company Name: 11 Email: Company Name: 12 City, State ZIP: Image: 13 Email: City, State ZIP: 14 State Federal Com #013H Email: 2623 Rush Code 2623 Due Date: 24 HR TAT 260 NA Correction Factor: ANALYSIS REQUERT 40 NA Correction Factor: Hoto H 40 HO H H 41 H H H 42 H H H 43 H H H 44 H H H 44
	Bill to: (rf different) Company Name: Address: Address: Email: Turn Around Due Date: 24 HR TAT Wet Ice: #140 Wet Ice:	Bill to: (if different) Company Name: Address: City, State ZIP: City, State ZIP: Rush Compehring@carmonares HR TAT Yes HO<3c	Bill to: (if different) Company Name: Address: City, State ZIP: City, City	Bill to: (rf different) Company Name: Address: City, State ZIP: City, Stat	Bill to: (rt different) Carmona Resources Company Name: Address: Address: Address: Address: City. State ZIP: City. State ZIP: City. State ZIP: Z4 HR TAT Pres. 24 HR TAT Pres. Batters Code Batters Code Address: Code City. State ZIP: Code Code Pres. Batters Code Batters Code Batters Code City. State ZIP: Code Code Code Batters Code Batters Code Batters Code City. State ZiP: Code City. State ZiP: Code City. State ZiP: Code Batters Code Batters Code City. State ZiP: City. State ZiP: City. State ZiP: City. State ZiP: City. State ZiP: City. State ZiP: City. State Zi	Sill to: (if different) Carmona Resources Company Name: Cdry, State ZIP: Address: City, State ZIP: City, State ZIP: City, State ZIP: B Rush Fres. B Rush Code Parameters BTEX 8021B SM (GRO + DRO + MRO) Chloride 4500	Bill to: (if different) Carmona Resources Company Name: Company Name: City, State ZIP: City, State ZIP: Imail: City, State ZIP: <td>Bill to: (rt different) Carmona Resources City, State ZIP: City, State ZIP: City, State ZIP: City, State ZIP: B Rush Bress. B Rush Code BTEX 8021B AAALYSIS REOL SM (GRO + DRO + MRO) AAALYSIS REOL Chloride 4500 Intervention</td> <td>Bill to: (if different) Carmona Resources City, State ZIP: City, State ZIP: B Rush Compeny Name: B Rush Come B Rush Context B Rush</td> <td>Bill to: (rt different) Carmona Resources Address: Address: Address: City, State ZIP: City, State ZIP: City, State ZIP: BRush Code BRush Code BTEX 8021B ANALYSIS REQU M (GRO + DRO + MRO) ANALYSIS REQU</td> <td>Bill to: (if different) Carmona Resources City, State ZIP: City, State ZIP: B Rush Company Name: B Rush Come B Rush Conse B Rush Conse</td>	Bill to: (rt different) Carmona Resources City, State ZIP: City, State ZIP: City, State ZIP: City, State ZIP: B Rush Bress. B Rush Code BTEX 8021B AAALYSIS REOL SM (GRO + DRO + MRO) AAALYSIS REOL Chloride 4500 Intervention	Bill to: (if different) Carmona Resources City, State ZIP: City, State ZIP: B Rush Compeny Name: B Rush Come B Rush Context B Rush	Bill to: (rt different) Carmona Resources Address: Address: Address: City, State ZIP: City, State ZIP: City, State ZIP: BRush Code BRush Code BTEX 8021B ANALYSIS REQU M (GRO + DRO + MRO) ANALYSIS REQU	Bill to: (if different) Carmona Resources City, State ZIP: City, State ZIP: B Rush Company Name: B Rush Come B Rush Conse
eral Com #013H ew Mexico 1 Thermometer ID: Correction Factor: Temperature Reading:	Ves No Yes No Yes No	Sill to: (if different) Company Name: Company Name: Company Name: City, State ZIP: Composition (Composition) Composition (Composition) Pres. R Rush Code 24 HR TAT Pres. 24 HR TAT Pres. 24 HR TAT Pres. 24 HR TAT Pres. 27 Yes Code 40 3 c Parameters	Ves Pres 224 HR TAT Pres 224 HR TAT Pres 23 Rush Code B Rush Code Parameters BTEX 8021B I15M (GRO + DRO + MRO) I15M (GRO + DRO + MRO)	Ves Name Carmona Resources Ves Name Pres. 24 HR TAT Pres. BTEX 8021B BTEX 8021B ISM (GRO + DRO + MRO) Chloride 4500	Chloride 4500	Chloride 4500	Chloride 4500 ANALYSIS REQU	Chloride 4500 ANALYSIS RECU	Chloride 4500	Chloride 4500 ANALYSIS REQU	Chloride 4500
ding:		Parameters C offee	Parameters C. Pres. BTEX 8021B C. Camona i015M (GR0 + DR0 + MR0) RC	Parameters CP BTEX 8021B Camona I5M (GRO + DRO + MRO) Resources.com Chloride 4500 Camona	Chloride 4500	Chloride 4500	Chloride 4500 ANALYSIS REQU	Chloride 4500 ANALYSIS RECU	Chloride 4500	Chloride 4500 ANALYSIS REQU	Chloride 4500
Page 1 Wet Ice: Yes Vest Ice: Yes Ves Ves Ves	Ources Work Order Comments Program: UST/PST PRP Brownfields RRC State of Project: Reporting:Level II Level III PST/UST TRRP Deliverables: EDD ADaPT Other: Deliverables: EDD ADaPT Other: None: NO Could a line of the state of the s	Ources Work Order Comments Program: UST/PST PRP Brownfields RRC State of Project: Reporting:Level II Level III PST/UST TRRP Deliverables: EDD ADaPT Other: Deliverables: EDD ADaPT Other: None: NO Could a line of the state of the s	Page_1 Work Order Comments am: UST/PST PRP Brownfields RRC of Project: rrables: EDD ADaPT Other: Preservati Preservati HCL: HC H ₂ SQ ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO	Page 1 Work Order Comments am: UST/PST PRP Brownfields RRC of Project: irrables: EDD ADaPT Other: Preservati Preservati Cool: Cool HCL: HC H ₃ S0 ₄ : H ² H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NASO	Page 1 Work Order Comments am: UST/PST PRP Brownfields RRC of Project: of Project: am: UST/UST Comments PST/UST TRRP rables: EDD ADaPT Other: rables: EDD None: NO Cool HCL: HC H3, SQ4; H2 H3, PO4; HP NaHSO4; NABIS NaSO Na, S2,O3; NASO NaSO	Page_1 Work Order Comments am: UST/PST PRP Brownfields RRC of Project: rrables: EDD ADaPT Other: Preservati Preservati HCL: HC H ₂ SQ ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO	Page_1 Work Order Comments ST PRP Brownfields RRC D Level III PST/UST TRRP D ADaPT Other: D None: NO Cool: Cool HCL: HC H ₂ S04: H ₂ H ₃ PO4; HP NatS04: NABIS Na_S2/03: NASO				of 3 Juperfund Level IV Level IV Level IV DI Water: H HNO3: HN NaOH: Na

Received by OCD: 3/10/2025 12:57:56 PM

Work Order No: Harony

Page 133 of 147

Chain of Custody

Cale								CS-3			/3 CS-32 (1.5)	CS-31 (1.5')	11 CS-30 (1.5')	Sample Identification		Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Nullipol.	Project Namber	Designet Name:		City, State ZIP:		Company Name:	Project Manager:				
Merkunz			ail to Mike Carr	14 (2')	SW-13 (2')	SW-12 (1.5')	SW-11 (1.5')	CS-35 (2')	CS-34 (2')	3 (2')	(1.5')	(1.5')	(1.5')	1111100000000	atification		: Yes	Ye					Le		Ialoo 19-	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moerining				
	Relinquis		nona / Mcarm	2/6/2025	2/6/2025	2/6/2025	2/6/2025	2/6/2025	2/6/2025	CT071917.	2/6/2025	2/6/2025	2/6/2025		Date	1	NO (NIA) T	A	1	Temp Blank:		CMM	Lea County, New Mexico	2623	Igloo 19-24 State Federal Com #013H		2	te 500	ces					
	Relinquished by: (Signature)		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com, Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com,												Time	Corrected Temperature.	Temperature Reading.	Correction Factor:	Thermometer ID:	Yes No)		/ Mexico		al Com #013H									
			Inces.com, come	in com Conne	×	×	×	×	×	×	×	×	×	×	Soil					Wet Ice.			Due Date:	□ Routine	Turn A			Cit	Ad	Co	Bill			
				r Moehring / C	С	0	C	C	с	С	c	С	С	С	Water Comp	Grab/	2	Deloc	#10.30	4140	VeciNo		24 HK IAI	KUSN	ound	-	cmoehring@carmonaresources.com	City. State ZIP:	Address:	Company Name:	Bill to: (if different)			
	R			moehri	-1	-	1	1	1	-	-1	1	1	1	Cont	# of			Pa	ram	eter	s		Code	Pres.		nonares							
	26-20	Date		ng@ca	×	×	×	×	×	×	×	×	×	×						8021							ources.				Carmona Resources			
]	Nate/Time		rmona	×	×	×	×	×	×	×	×	×	×		трн	801	-			DRO	+ M	RO)	+	-		com				Resou			
	8			resour	×	×	×	×	×	×	×	×	×	×	-			Ch	lorio	de 4	500			+	-						rces			
				ces.co			\downarrow	\downarrow		\downarrow	+	╞	+	+	\vdash		_			,				+	\neg								×.	
				m, and		+	+	╞	+	+	+	+	+	+	+				_							ANAL								
	ll ll			I Ivan H		+	+	+	+	+	\dagger	t	\dagger	T								1				ANALYSIS REQUEST								
	phi	Rece		amos		T	T	T	T	T		T								1						EQUES		2	RJ BD	Sta	P			
	A	Received by;		Inditio	ramos		-	+	\downarrow	+	+	+	+	+	+		-			_			-		\vdash	ST		noliverables. EDD	porting:	State of Project:	oram: L			
	all a	(Signature		Contraction	Carn	+	+	+	+	+	+	+	+	+	+		-				_							e. FDD	evell	oject:	JST/PS			
	Je la	ature)			nonare	+	\dagger	\dagger	\dagger	+	+	+	+							1									Level	١		Wor		
	A				Source																				╞	-		AD			Bro	k Orde		
	C	8			es.com			_	_		_	-	_	_	-			Na	Zn	Na	Nat	H,P	H-S	Coo	Non			ADaPT	Reporting:Level II Level III PST/UST		Program: UST/PST PRP Brownfields RRC	Work Order Comments	P	1
																Sam		OH+Asc	Acetate-	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO4: NABIS	H.PO. HP	HCL: nc	Cool: Cool	None: NO	Prese		Other:	TRRP			nents	Page	
Π																Sample Comments		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	aSO3	ABIS		Z I	ţ M	: 5	Preservative codes		ler:					2	
		Date/Time														mm		id: S	Zn				NaOH: Na	MECH: ME	DI Walei. In20		?		Lev		uperfund		오 I	

Received by OCD: 3/10/2025 12:57:56 PM

Page 29 of 30

Chain of Custody

Page 134 of 147

						S	2	en h	Ľ	8	1	1	_	_		-			T L	0.1-	n I	TT	T	T	Te			0	P		
Cula		Comments: Ema				SW-19 (2)				SVV-13 (2)	CINI AE	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact.	SAMI LE MESE	CAMDI E RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 4	City, State Zir.			Company Name: C	Project Manager: C		
Merking		il to Mike Carr) (2')	(0.5)	(1.5)	(1.5)	(4 5)	101	tification		Yes	Col I	×					5		Igloo 19-	432-813-6823		Midland TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring		
		nona / Mcarm				CZN71017	21012020	20210020	2012/020	2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	2/6/2025	Date		NU NN		A		Temp Blank:		CMM	Lea County, New Mexico	2623	-24 State Fede			01	ite 500	rces	g		
Relinquished by: (Signature)		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com, Conner Moehring / Cmoehring@carmonaresources										Time	Collected 1 emporaneo	Corrected Temperature:	Temnerature Reading:	Correction Factor:	Thermometer ID:	Yes No)		v Mexico		Igloo 19-24 State Federal Com #013H								
		rces.com, Conn					×	×	×	×	×	Soil						Wet Ice:			Due Date:	LI KOUTINE			Email: 9				2	TP	
		er Moehring			+							Water Comp	Grab/	a gi	2.6	10,0		Yes NO			24 HK IAI		Turn Around		Email: cmoehring@carmonaresources.com	City, State ZIP:	Address.	denn:	Company Name:	Bill to: (if different)	
0.		/ Cmoe	\vdash	+	+	\square	C	C	С	C	C			<u>~</u>		1	0		eters			Code	Pres.		carmona				œ		3
2		hring@		_	_	-		1	1		1 ×	Cont	9			BTE						De la	: :		resourc					Carn	
S C	Date/Time	carmo	\vdash		+	+	×	××	××	+	+	+	трн	1 80	_					+ MI	RO)				es.com					Carmona Resources	
ISO	D	naresou	H				×	×	×	>	< >	<			c	Chlo	oride	e 45	00				_							sources	
P		Irces.co																				_	_								
		om, and			1	+	+-	+	+	+	+	+								-		-	-	ANAL							
		IVAIL		\vdash		1	+	+	+	t	\dagger	-		_			_							YSIS F		2					
1 th	Recei	Vallios	amoe				T		1															ANALYSIS REQUEST		De	Re	Sta	Pro		1
12	Received by: (Signature)		Iramos	\vdash		_	+	+	+	+	+	+			_		_				-			ST		Deliverables: EDD	porting:L	State of Project:	ogram: L		
	(Signat	(acarm	+	Η	-	+	+	+	+	+	+														s: EDD	evel II	oject:	JST/PST		
llon a	ye)		onares	T			1						2				_		_								Level		PRP	Work	
K			and loss Damos/Iramos@carmonaresources.com		\vdash	\square	+	+	+	-	_	+					_						+			ADaf	Reporting:Level II Level III PST/UST		Brow	Order	
			com	+	+	$\left \right $	+	+	+	-					NaOH	Zn Ac	Na2S2	NaHS	H ₃ PO ₄ : HP	H25U4. 112	HCL: HC	Cool: Cool	None: NO	-	,	ADaPT 🗆	T/UST		Intields	Work Order Comments	Page
													Sample		++Ascort	setate+N	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO4: NABIS	4: HP	1. 172	E F	Cool	NO	rieserv		Other:		-	Program: UST/PST PRP Brownfields	ents	ge
	Dat												Sample Comments		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	50 ₃	SIS	5	INDO		MeO	DIW	Preservative occurs	ation C.					1.00	
	Date/Time												nents		SAPC					1. 194	HNO3: HN	MeOH: Me	DI Water: H ₂ O	ours	ndac		ACI IN I			fund	

Received by OCD: 3/10/2025 12:57:56 PM

Page 30 of 30

Work Order No: 1

Chain of Custody

Page 135 of 147



January 22, 2025

CONNER MOEHRING CARMONA RESOURCES 310 W WALL ST, SUITE 500 MIDLAND, TX 79701

RE: CAZA EAGLE CLAW 5-8 FEDERAL CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/21/25 15:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



CARMONA RESOURCES CONNER MOEHRING 310 W WALL ST, SUITE 500 MIDLAND TX, 79701 Fax To:

Received:	01/21/2025	Sampling Date:	01/21/2025
Reported:	01/22/2025	Sampling Type:	Soil
Project Name:	CAZA EAGLE CLAW 5-8 FEDERAL CTB	Sampling Condition:	Cool & Intact
Project Number:	2624	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

Sample ID: SIMS PIT (H250358-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/22/2025	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	01/22/2025	ND	2.16	108	2.00	2.25	
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	2.20	110	2.00	2.03	
Total Xylenes*	<0.150	0.150	01/22/2025	ND	6.69	112	6.00	2.21	
Total BTEX	<0.300	0.300	01/22/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	16.0	16.0	01/22/2025	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	01/22/2025	ND	219	110	200	3.35	
DRO >C10-C28*	<10.0	10.0	01/22/2025	ND	221	110	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	01/22/2025	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

0	
-	
-	
0	
0	
0	
5	
S	
-	
0	
0	
<	1

			-							
	M Name MC	1011101	5 1651	1-21-25 155				N		
	Received by: (Signature)	Rece	Time	Date/Time			Relinquished by: (Signature)	Relinquist		
		1								
		sources.com	carmonares	moehring@	ner Moehring / C	es.com and Con	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	Carmona / Mcarmo	Email to Mike	Comments:
								112 112020		
			X X	1 X	С	×		1/21/2025	time Dit	0
Sample Comments			-	# of Cont	Water Comp C	Soil	Time	Date	Sample Identification	Sample
			PH		+		Corrected Lemperature:		S:	Total Containers:
NaOH+Ascorbic Acid: SAPC			3015		2-		Temperature Reading:	Yes No NIA	/ Seals:	Sample Custody Seals:
Zn Acetate+NaOH: Zn			-	вт				NO	Seals:	Cooler Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃			-		10.6.		Compation Easter	NO NO		Received Intact:
NaHSO4: NABIS			0 + 1 ie 4	ram 8021	#140		Thormometer ID:	Blank	CEIPT	SAMPLE RECEIPT
H ₃ PO ₄ : HP					Yes No	Wet Ice:	Vac NO	1		PO#
H ₂ SO ₄ : H ₂ NaOH: Na) + M	rs				7		Sampler's Name:
			RO)			Day Dave		Lea County, New Mexico		Project Location
2					24 HR TAT	Due Date:	Movino			Project Number.
				Code	5	Routine		2624		Fluject Number
ervali	JEST	ANALYSIS REQUEST				Turn Around	3 Federal CTB	Caza Eagle Claw 5-8 Federal CTB		Droiert Name:
			.com	naresources	Email: mcarmona@carmonaresources.com	Email: m		6823	432-813-6823	Phone:
T Other:	Deliverables: EDD				ully, state Lir .	2		Midland, TX 79701	Midland,	City, State ZIP:
	Reporting:Level II Level III LST/UST				to State 710-	2		310 W Wall St Ste SUU	310 W W	Address:
]	State of Project:				Address:	Ac				Company Name.
nfields KKC Luperrund L	Program: UST/PST PRP frownfields RC				Company Name:	Co		Cormona Resolutres		Fluject Ivialiagei.
	Work Order Comments		Carmona Resources	Carmon	Bill to: (if different)	Bi		loehring	Conner Moehring	Designet Managar
Page1 of1										
		•								
Hadroo	Work Order No:									

Page 4 of 4

85503

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 140 of 147

QUESTIONS

Action 440771

QUESTIO	NS
Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	440771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434433845
Incident Name	NAPP2434433845 IGLOO 19 24 STATE FEDERAL COM #013H @ 30-025-46480
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-46480] IGLOO 19 24 STATE FEDERAL COM #013H

Location of Release Source

Please	answer	all the	questions	in this	group.	

Site Name	IGLOO 19 24 STATE FEDERAL COM #013H
Date Release Discovered	12/08/2024
Surface Owner	Private

Incident Details

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 141 of 147

QUESTIONS, Page 2

Action 440771

QUESTIONS (continued)		
Operator:	OGRID:	
CAZA OPERATING, LLC	249099	
200 N Loraine St	Action Number:	
Midland, TX 79701	440771	
	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. gas only) are to be submitted on the C-129 form.			

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 12/10/2024	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	440771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	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 ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	1660	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	0	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence 01/24/2025		
On what date will (or did) the final sampling or liner inspection occur	02/06/2025	
On what date will (or was) the remediation complete(d)	02/11/2025	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	6737	
What is the estimated volume (in cubic yards) that will be remediated 940		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 440771

Page 142 of 147

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 143 of 147

QUESTIONS, Page 4

Action 440771

QUESTI	ONS (continued)	
Operator: CAZA OPERATING, LLC	OGRID: 249099	
200 N Loraine St Midland, TX 79701	Action Number: 440771	
	Action Type: [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	e / reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]	
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)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)) No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process)	No	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed el which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
	Name: Tanya Berry	

I hereby agree and sign off to the above statement	Title: Sr. Engineering Tech
The object of the the above statement	Email: tberry@cazapetro.com
	Date: 03/10/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 144 of 147

QUESTIONS, Page 5

Action 440771

QUESTIONS (continued)		
Operator:	OGRID:	
CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	249099	
	Action Number:	
	440771	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QU	ES	TIO	NS

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	Νο	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	440771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	427850
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2025
What was the (estimated) number of samples that were to be gathered	26
What was the sampling surface area in square feet	2837

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	6737	
What was the total volume (cubic yards) remediated	940	
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	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	n/a	
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.	
	Name Tanan Dama	

I hereby agree and sign off to the above statement	Name: Tanya Berry
	Title: Sr. Engineering Tech
The object of the and a set of the above statement	Email: tberry@cazapetro.com
	Date: 03/10/2025

Page 145 of 147

QUESTIONS, Page 6

Action 440771

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	440771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

Action 440771

Page 146 of 147

.

Released to Imaging: 3/13/2025 4:48:08 PM

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	440771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
scwells	None	3/13/2025

Action 440771