



SITE INFORMATION

Closure Report
Igloo Federal Production Facility
Incident #: nAPP2507938040
Lea County, New Mexico
Unit J Sec 19 T20S R35E
32.555183°, -103.495366°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 03.20.2025
Volume Released: 45 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



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June 24, 2025

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

**Re: Closure Report
Igloo Federal Production Facility
Caza Operating, LLC
Incident # nAPP2507938040
Site Location: Unit J, S19, T20S, R35E
(Lat 32.555183°, Long -103.495366°
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 Federal Production Facility. The site is located at 32.555183°, -103.495366° 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 March 20, 2025, due to equipment failure stemming from a valve. It resulted in the release of forty-five (45) 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 0.75 miles Southwest of the site in S30, T20S, R35E and was drilled in 2022. The groundwater determination bore was drilled to 55 feet below ground surface (ft bgs) and was left open for 72 hours. The bore was tagged with a water level meter and indicated no signs of water at a depth of 55' 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

Prior to Carmona Resources, LLC being onsite, a third-party environmental consultant performed site assessment activities to evaluate soil impacts stemming from the release. Caza contacted Carmona Resources

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



to further investigate the incident. The initial sampling assessment results were evaluated by Carmona Resources personnel via field screenings.

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 April 30, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence. A total of one hundred and seventy (170) confirmation floor samples (CS-1 through CS-170) and thirty (30) sidewall samples (SW-1 through SW-30) 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, 4C and 4D.

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, prior to its use. Refer to Table 2. Approximately 1,600 cubic yards of material were excavated and transported off-site 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

Conner Moehring
Environmental Manager

Ivan Ramos
Project Manager

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

FIGURES

CARMONA RESOURCES

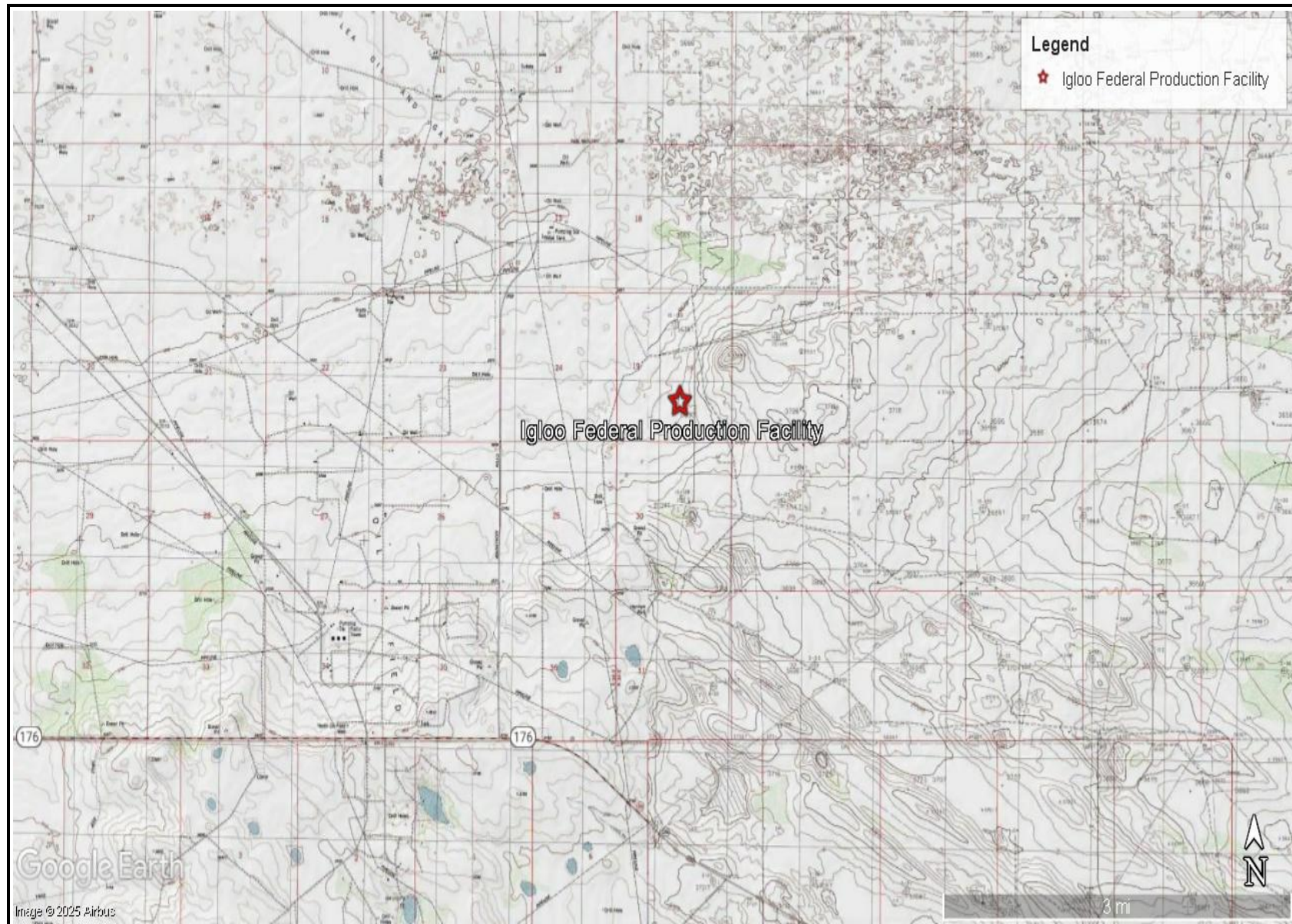




OVERVIEW MAP
CAZA OPERATING
IGLOO FEDERAL PRODUCTION FACILITY (03.20.2025)
LEA COUNTY, NEW MEXICO
32.555183, -103.495366



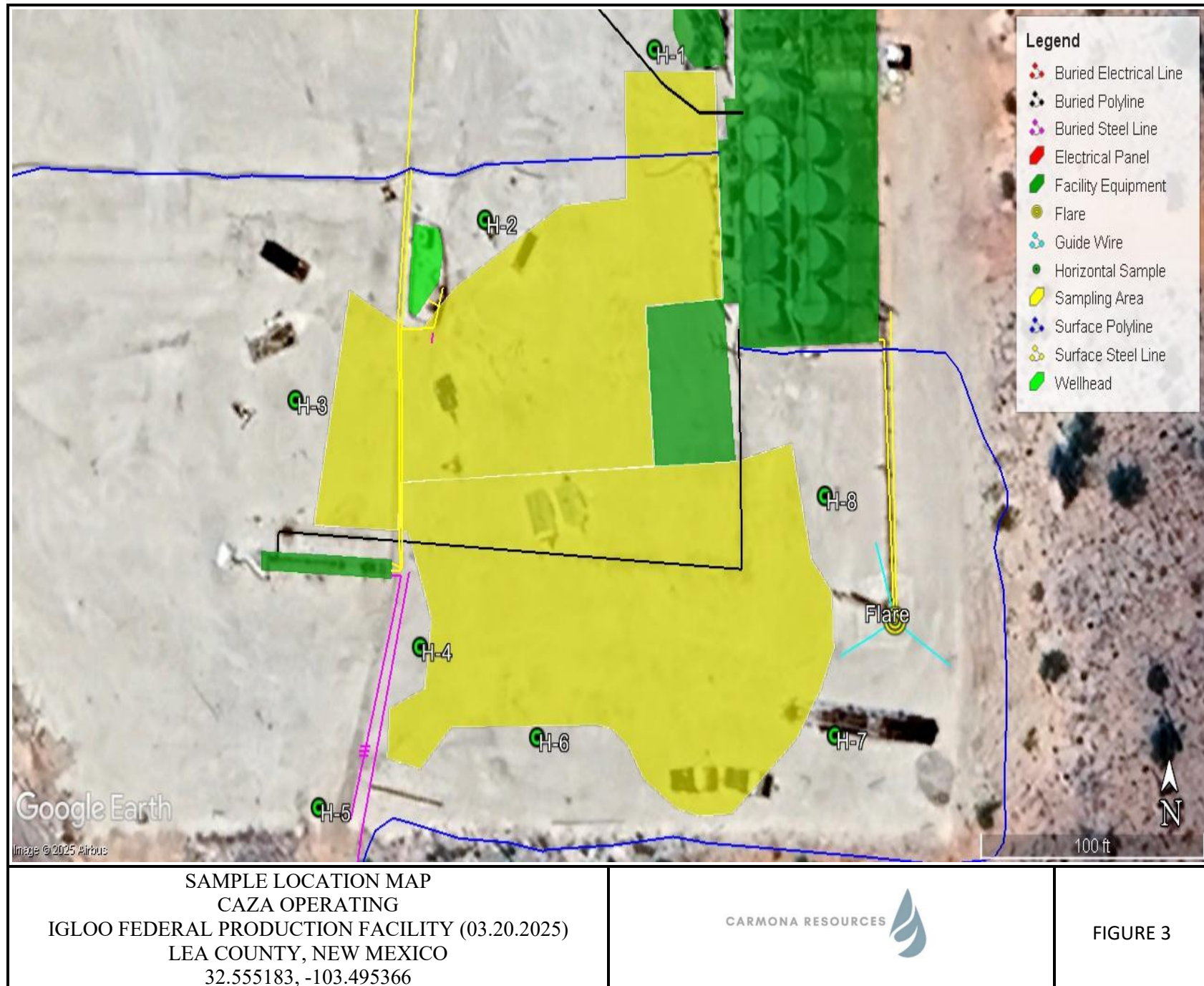
FIGURE 1

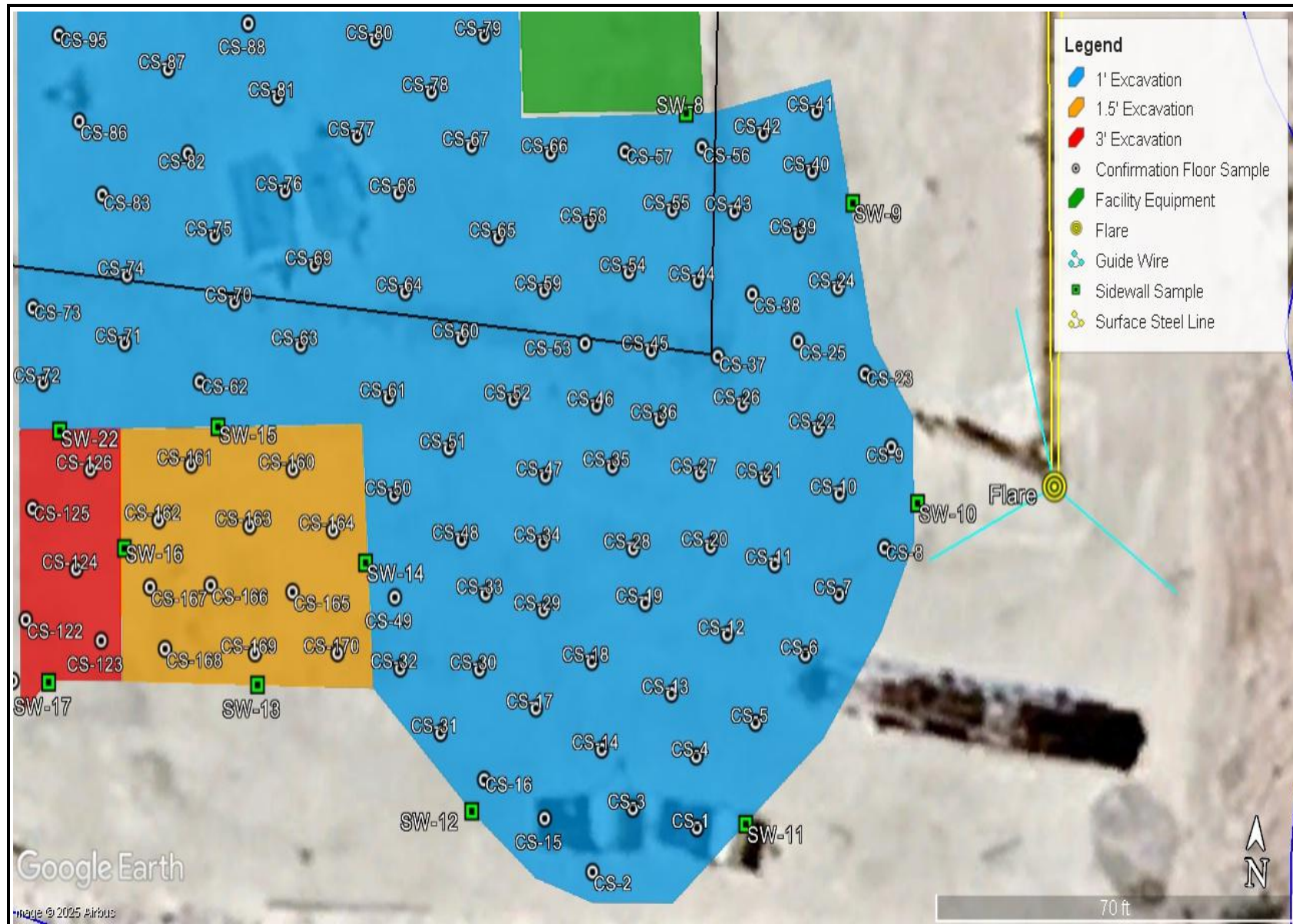


TOPOGRAPHIC MAP
CAZA OPERATING
IGLOO FEDERAL PRODUCTION FACILITY (03.20.2025)
LEA COUNTY, NEW MEXICO
32.555183, -103.495366



FIGURE 2

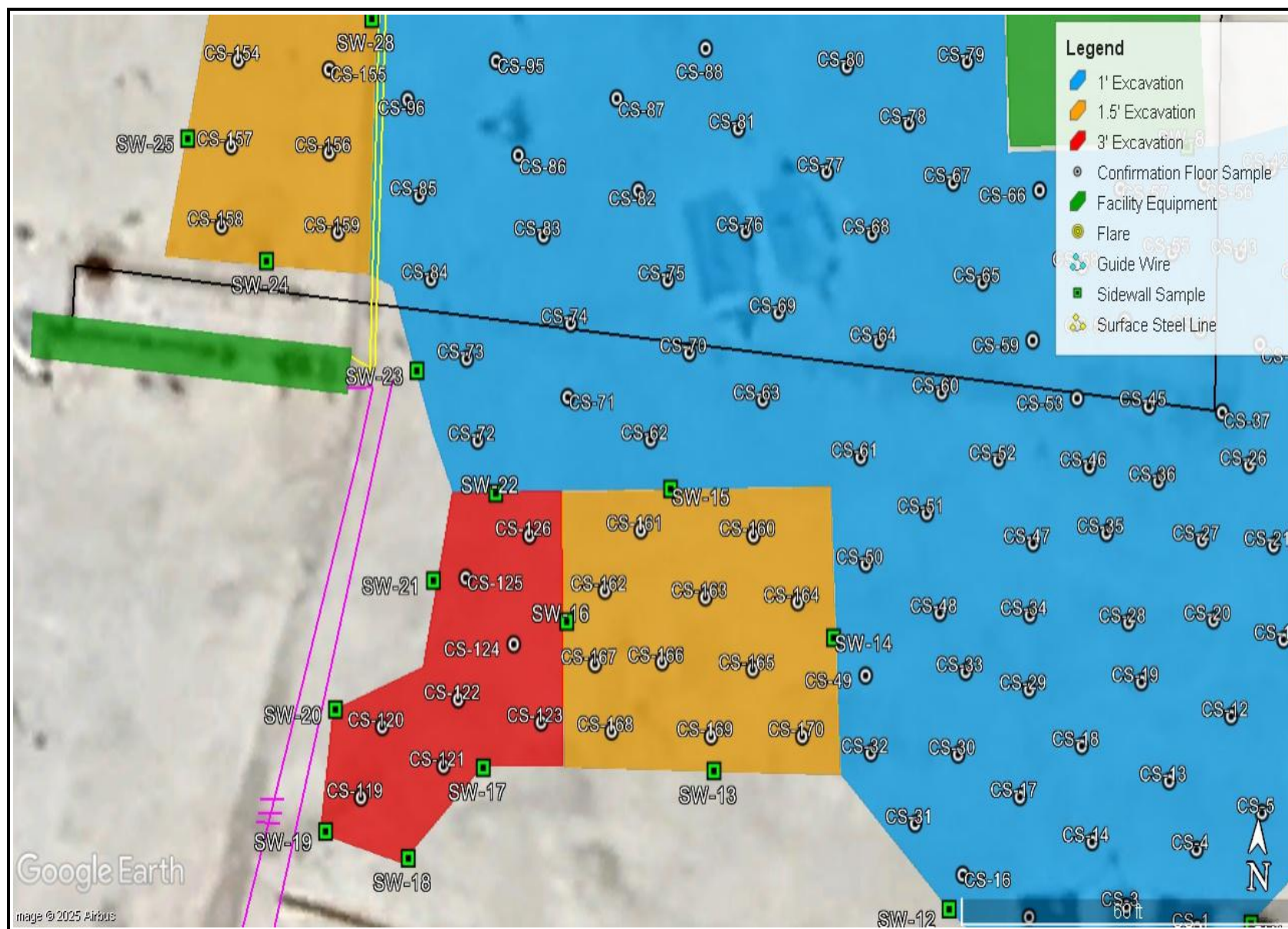




EXCAVATION MAP
CAZA OPERATING
IGLOO FEDERAL PRODUCTION FACILITY (03.20.2025)
LEA COUNTY, NEW MEXICO
32.555183, -103.495366



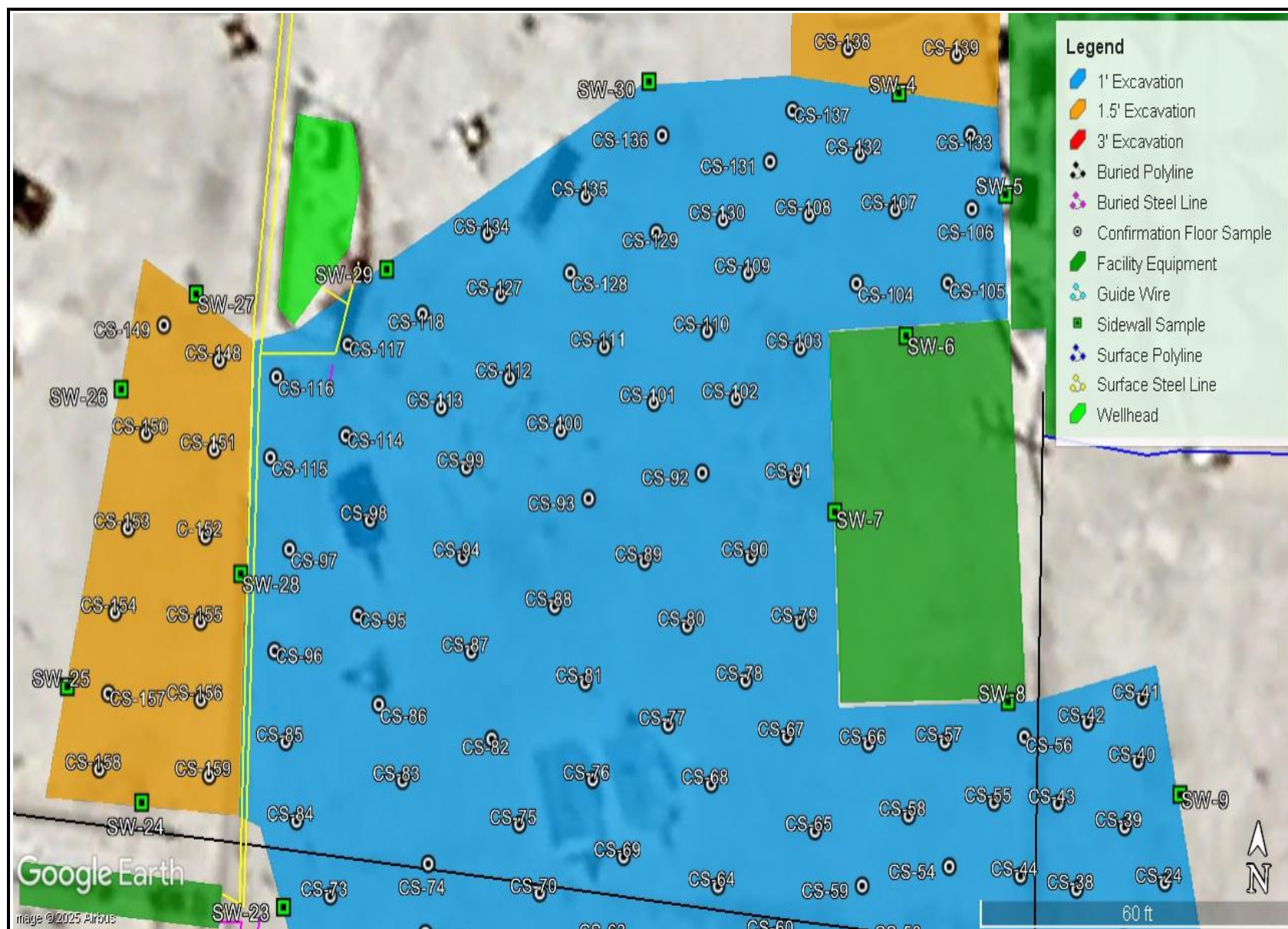
FIGURE 4A



EXCAVATION MAP
CAZA OPERATING
IGLOO FEDERAL PRODUCTION FACILITY (03.20.2025)
LEA COUNTY, NEW MEXICO
32.555183, -103.495366



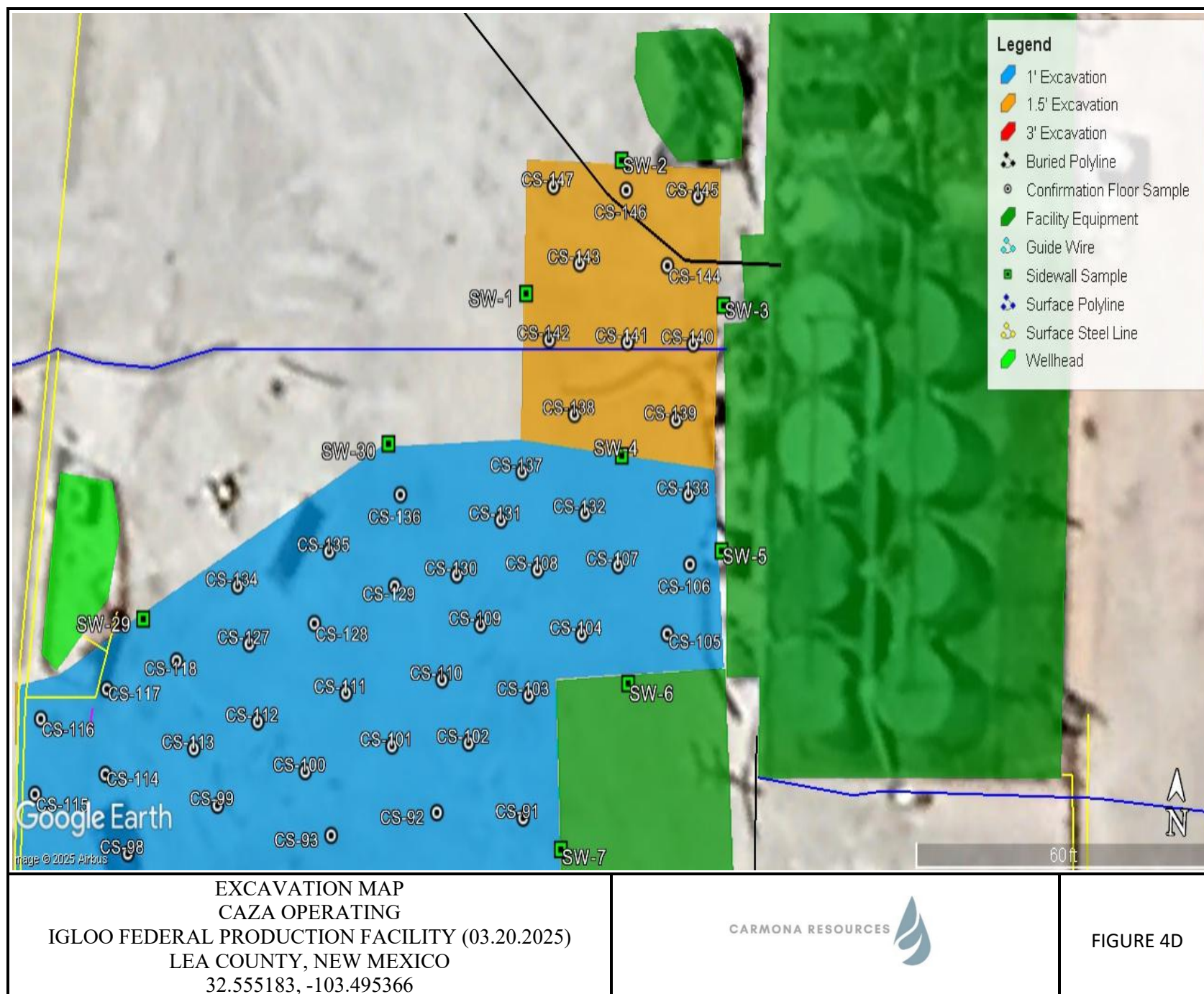
FIGURE 4B



EXCAVATION MAP
CAZA OPERATING
IGLOO FEDERAL PRODUCTION FACILITY (03.20.2025)
LEA COUNTY, NEW MEXICO
32.555183, -103.495366



FIGURE 4C



APPENDIX A

CARMONA RESOURCES



Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-4	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-8	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-10	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-12	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-13	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-14	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-15	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
CS-16	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-17	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-18	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-19	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-20	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-21	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-22	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-23	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-24	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-25	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-26	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-27	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-28	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-29	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-30	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-31	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-32	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-33	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-34	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-35	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-36	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-37	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-38	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-39	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-40	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-41	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-42	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-43	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-44	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS45	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-46	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-47	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-48	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-49	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-50	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-51	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-52	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-53	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-54	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-55	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-56	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-57	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-58	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-59	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-60	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-61	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-62	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-63	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-64	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-65	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-66	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-67	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-68	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-69	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-70	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-71	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-72	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-73	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-74	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-75	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

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(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-76	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-77	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-78	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-79	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-80	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-81	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-82	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-83	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-84	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-85	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-86	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-87	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-88	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-89	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-90	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-91	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-92	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-93	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-94	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-95	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-96	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-97	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-98	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-99	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-100	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-101	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-102	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-103	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-104	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-105	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-106	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-107	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-108	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-109	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-110	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-111	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-112	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-113	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-114	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-115	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-116	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-117	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-118	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-119	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-120	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-121	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-122	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-123	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-124	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-125	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-126	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-127	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-128	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-129	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-130	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-131	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-132	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-133	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-134	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-135	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-136	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-137	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-138	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-139	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-140	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-141	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-142	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-143	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-144	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-145	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-146	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-147	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-148	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-149	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-150	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-151	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-152	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-153	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-154	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-155	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-156	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-157	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-158	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-159	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-160	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-161	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-162	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-163	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-164	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-165	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-166	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-167	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-168	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-169	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-170	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-1	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	5/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons
ft - feet

(CS) Confirmation Sample

(SW) Side Wall

Table 1
Caza Operating
Igloo Federal Production Facility
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-6	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-8	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-10	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-11	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-14	5/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	5/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-16	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-17	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-18	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-19	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-20	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-21	5/2/2025	3'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-22	5/2/2025	2'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-23	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-24	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-25	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-26	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-27	5/2/2025	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-28	5/2/2025	0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-29	5/2/2025	1'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-30	5/2/2025	1'	<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
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Side Wall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Caza Operating, LLC

Photograph No. 1

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Southeast of facility sign.



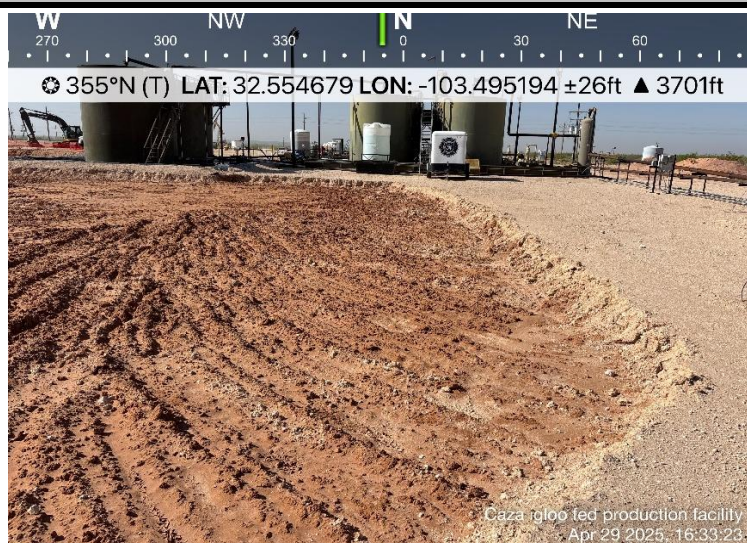
Photograph No. 2

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View North, area of CS-1 through CS-23.



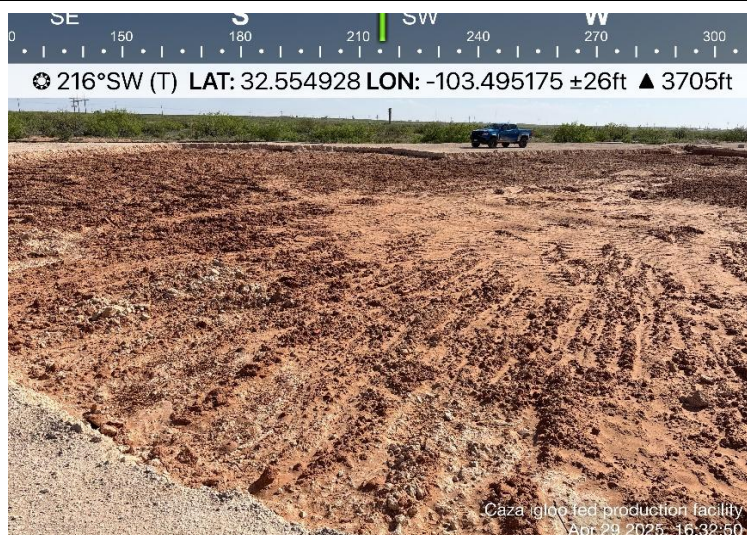
Photograph No. 3

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-24 and CS-61.



PHOTOGRAPHIC LOG

Caza Operating, LLC

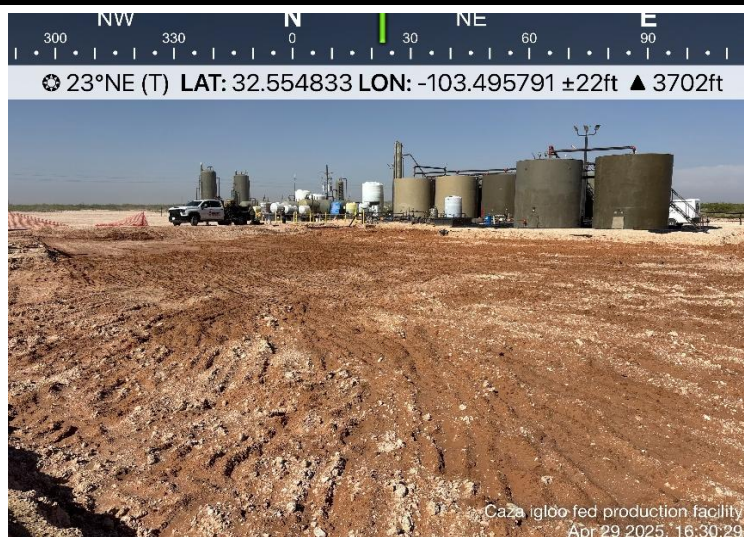
Photograph No. 4

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-62 through CS-103.



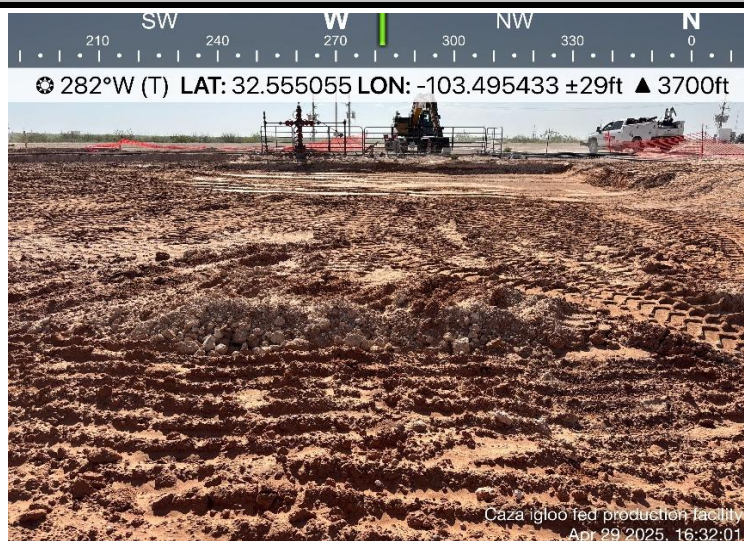
Photograph No. 5

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View West, area of CS-104 through CS-118.



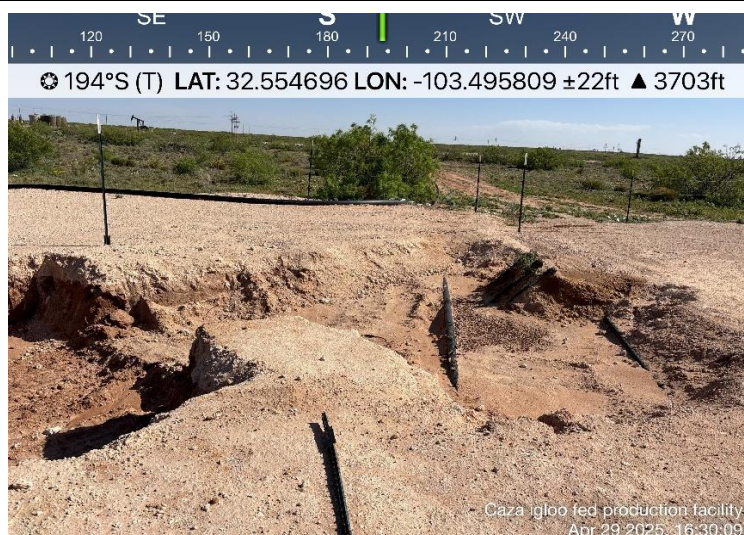
Photograph No. 6

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View South, area of CS-119 through CS-126.



PHOTOGRAPHIC LOG

Caza Operating, LLC

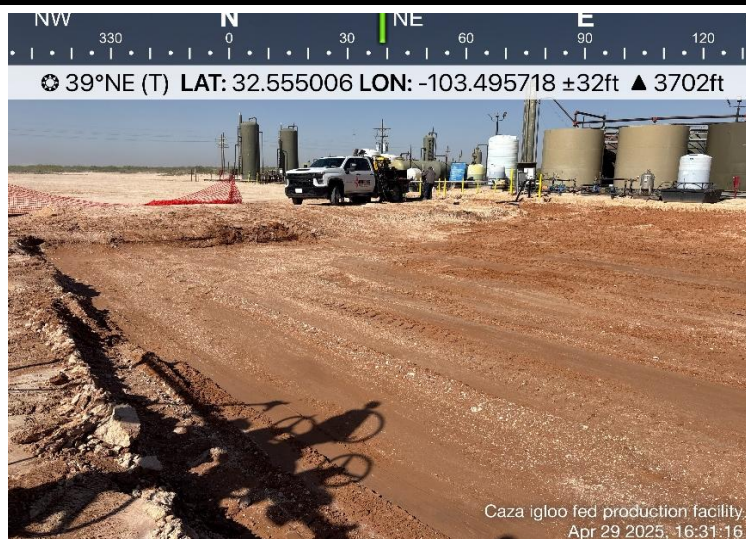
Photograph No. 7

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-127 through CS-137.



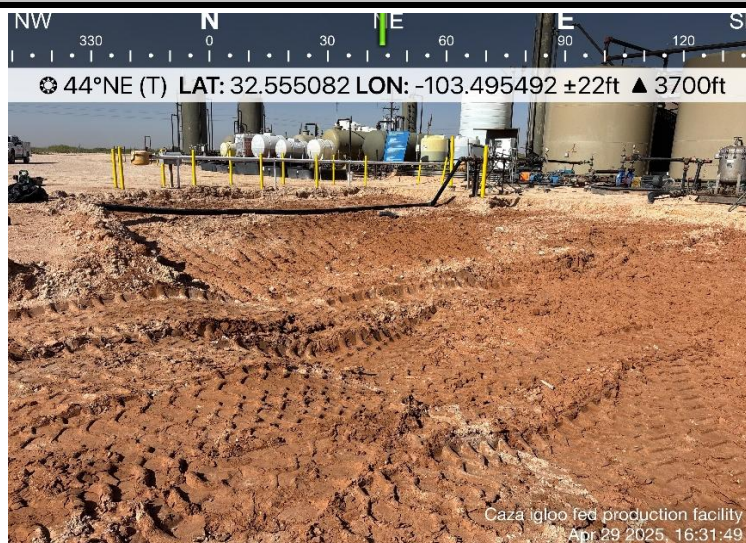
Photograph No. 8

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Northeast, area of CS-138 through CS-147.



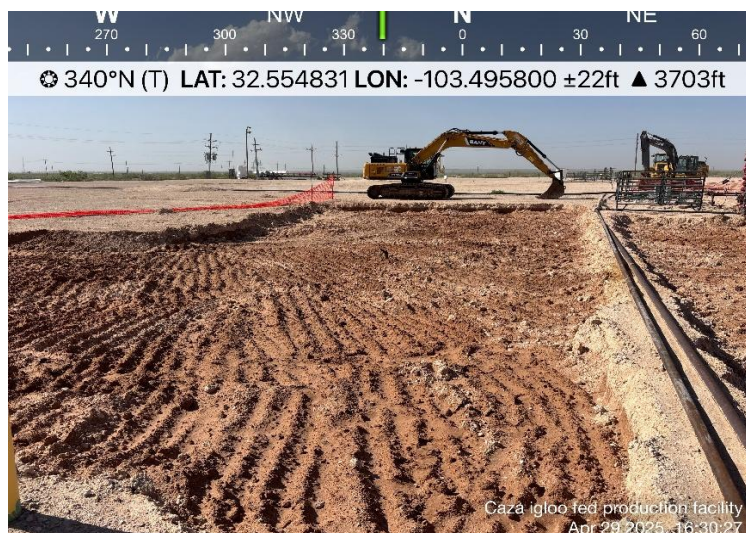
Photograph No. 9

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View North, area of CS-148 through CS-159.



PHOTOGRAPHIC LOG

Caza Operating, LLC

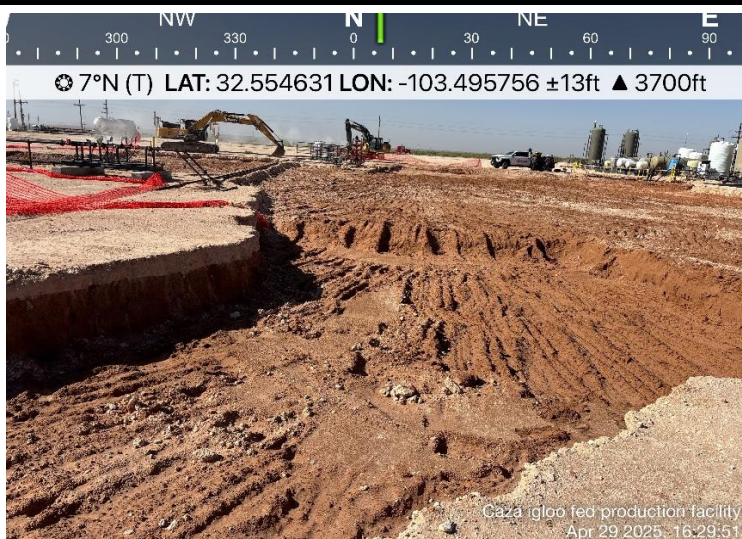
Photograph No. 10

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View North, area of CS-160 through CS-170.



Photograph No. 11

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View North of backfilled area.



Photograph No. 12

Facility: Igloo Federal Production Facility
(03.20.2025)

County: Lea County, New Mexico

Description:

View Southeast of backfilled area.



PHOTOGRAPHIC LOG**Caza Operating, LLC****Photograph No. 13****Facility:** Igloo Federal Production Facility
(03.20.2025)**County:** Lea County, New Mexico**Description:**

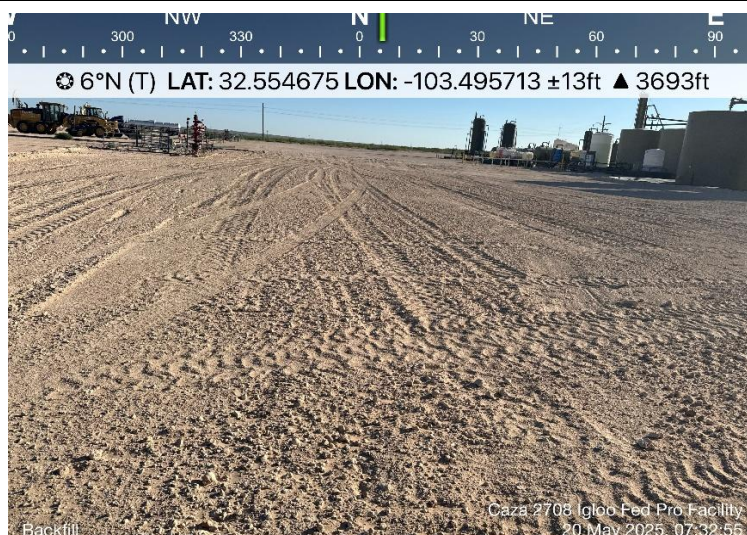
View Southeast of backfilled area.

**Photograph No. 14****Facility:** Igloo Federal Production Facility
(03.20.2025)**County:** Lea County, New Mexico**Description:**

View East of backfilled area.

**Photograph No. 15****Facility:** Igloo Federal Production Facility
(03.20.2025)**County:** Lea County, New Mexico**Description:**

View North of backfilled area.



APPENDIX C

CARMONA RESOURCES



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 444174

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444174
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Igloo Fed Production Facility
Date Release Discovered	03/20/2025
Surface Owner	Private

Incident Details <i>Please answer all the questions in this group.</i>	
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 <i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 45 BBL Recovered: 0 BBL Lost: 45 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)	n/a

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

QUESTIONS, Page 2

Action 444174

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444174
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	n/a

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

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ACKNOWLEDGMENTS

Action 444174

ACKNOWLEDGMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444174
	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.
☒	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.
☒	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.
☒	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.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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Santa Fe, NM 87505

CONDITIONS

Action 444174

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444174
	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.	3/20/2025

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Igloo Fed Production Facility

Date of Spill: 20-Mar-2025

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 45.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations						Standing Liquid Calculations					
Total Surface Area	width	length	wet soil depth	oil (%)		Standing Liquid Area	width	length	liquid depth	oil (%)	
Rectangle Area #1	100 ft	450 ft	X	0.50 in	0%	Rectangle Area #1	0 ft	X	0 ft	X	1 in 0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #3	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #4	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #5	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #6	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #7	0 ft	X	0 ft	X	0 in 0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in 0%	Rectangle Area #8	0 ft	X	0 ft	X	0 in 0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: ☒ YES ☒ N/A (place an "X")

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.

Use the following when the liquid completely fills the pore space of the soil.

* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.

* Clay loam = 0.20 gal. liquid per gal. volume of soil.

* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.

* Clay loam = 0.16 gal. liquid per gal. volume of soil.

* Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 45,000 sq. ft. 1,875 cu. ft. cu. ft.

Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	46.8 BBL	0.0 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	46.8 BBL	0.0 BBL

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	45.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 45,000 sq. ft.
Surface Area: 1.0331 acre

Recovered Volumes

Estimated oil recovered: BBL check - okay
Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil = 210,000 lbs 1,875 cu. ft. 69 cu. yds.
Total Liquid = 45 BBL 1,890 gallon 15,725 lbs

Air Emission from flowline leaks:

Volume of oil spill: - BBL
Separator gas calculated: - MCF
Separator gas released: - MCF
Gas released from oil: - lb
H2S released: - lb
Total HC gas released: - lb
Total HC gas released: - MCF

Air Emission of Reporting Requirements:

	New Mexico	Texas
HC gas release reportable?	NO	NO
H2S release reportable?	NO	NO

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

QUESTIONS

Action 444975

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444975
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507938040
Incident Name	NAPP2507938040 IGLOO FED PRODUCTION FACILITY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2429536536] Igloo Fed Production Facility

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Igloo Fed Production Facility
Date Release Discovered	03/20/2025
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 Valve Produced Water Released: 45 BBL Recovered: 0 BBL Lost: 45 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)	n/a

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State of New Mexico
Energy, Minerals and Natural Resources
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QUESTIONS, Page 2

Action 444975

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444975
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	n/a

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: 03/24/2025
--	---

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

QUESTIONS, Page 3

Action 444975

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444975
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	No
<i>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.</i>	

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CONDITIONS

Action 444975

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 444975
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	3/24/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

QUESTIONS

Action 456990

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 456990
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507938040
Incident Name	NAPP2507938040 IGLOO FED PRODUCTION FACILITY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2429536536] Igloo Fed Production Facility

Location of Release Source	
Site Name	Igloo Fed Production Facility
Date Release Discovered	03/20/2025
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	32,560
What is the estimated number of samples that will be gathered	195
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 4328136823
Please provide any information necessary for navigation to sampling site	32.555337, -103.495730

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 456990

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 456990
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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.	4/30/2025

APPENDIX D

CARMONA RESOURCES



Nearest water well

CAZA OPERATING, LLC

Legend

- 0.50 Mile Radius
- 0.75 Miles
- 0.93 Miles
- Groundwater Determination Bore
- Igloo Fed Production Facility (03.20.2025)
- NMSEO Water Well

270' - Drilled 1984

Igloo Fed Production Facility (03.20.2025)

55' GWDB - Drilled 2022



Low Karst
CAZA OPERATING, LLC

Legend

Igloo Fed Production Facility (03.20.2025)

Low

Igloo Fed Production Facility (03.20.2025)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance (meters)	Well Depth (In feet)	Depth Water (In feet)	Water Column
CP 00665		CP	LE		NW	SE	24	20S	34E	639740.0	3603128.0 *		1521	698	270	428
CP 01204 POD1		CP	LE	SW	NW	NW	25	20S	34E	638755.1	3602250.6		2614	370		
CP 00654 POD1		CP	LE		SE	SE	12	20S	34E	640103.0	3605947.0 *		3155	60		

Average Depth to Water: 270 feet

Minimum Depth: 270 feet

Maximum Depth: 270 feet

Record Count: 3

UTM Filters (in meters):

Easting: 641257.02
Northing: 3603010.21
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.

CARMONA RESOURCES



Project Name :	Chief 30 State #3H	Date :	Tuesday, August 30, 2022
Project No. :	1120	Sampler :	A. Thielke
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.54596, -103.50371	Method :	Air Rotary
Elevation :			

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		Silty/Sand. Red/Light brown sand. Fine Grain, Dry Poorly Cemented		50		Dark Brown Silty Sand w/clay. Poorly Cemented Dry Sand. Fine Grain.	
5				55			
10				60		TD: 55'	
15				65			
20				70			
25		Fine Grain Sand w/ 30% Caliche/Gravels. Pinkish/Red Sand. Medium/Coarse Grain Caliche. Well Sorted		75			
27		White. Coarse grained caliche gravel (80%) w/ silty sand (20%). Well Sorted		80			
30		Medium grained sand w/ gravel fragments. Light brown/red. Well Sorted.		85			
35		Brown/ Red Dry Silty/ Sand. Very Fine Grain.		90			
40				95			
45		Fine Grain Sand w/ 30% Caliche/Gravels. Brown/Red Sand. Medium/Coarse Grain Caliche. Well Sorted and poorly cemented		100			
50				105			

Comments : Boring terminated at 55' at 15:00 Central Time with no presence of groundwater or moisture, checked for moisture on 9/7/2022. No moisture present.

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
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

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323148103295801

Minimum number of levels = 1
[Save file of selected sites](#) 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 (121OGLL) local aquifer.

Output formats

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

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-02-18			D	62610	3664.67	NGVD29	1		Z	
1976-02-18			D	62611	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	P	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	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



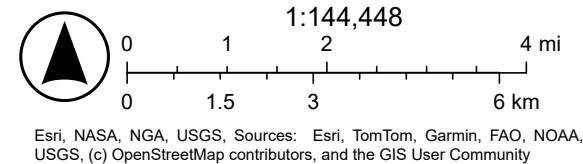
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2025-02-05 01:01:17 EST
0.32 0.23 nadww01

Igloo Fed Production Facility (03.20.2025)

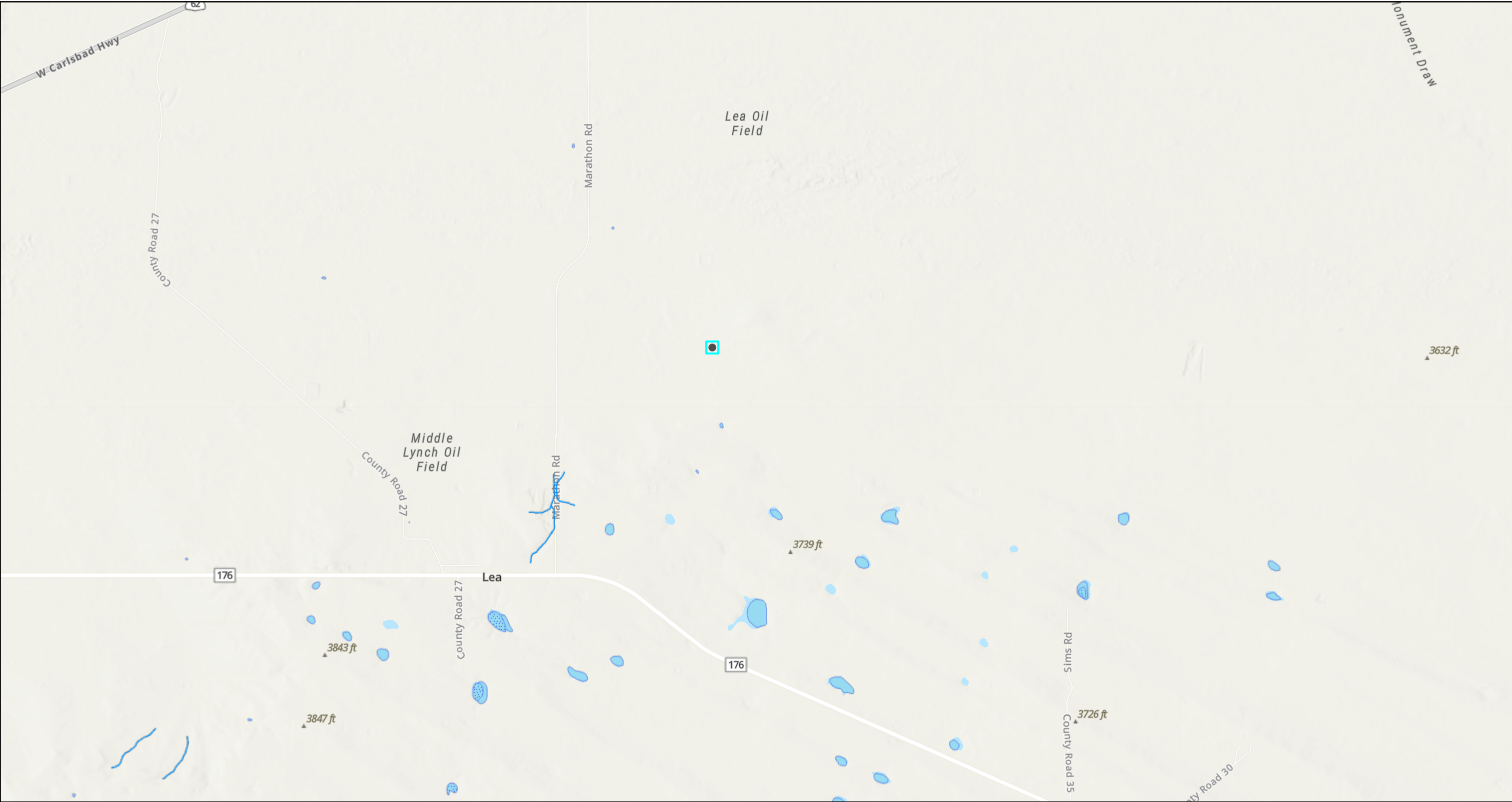


4/22/2025

World_Hillshade



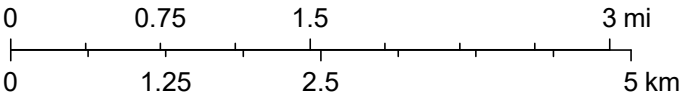
Igloo Fed Production Facility (03.20.2025)



4/22/2025, 1:41:44 PM

- OSW Water Bodys
- OSE Probable Playas
- OSE Streams

1:72,224



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

APPENDIX E

CARMONA RESOURCES





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 13, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: IGLOO FED PRODUCTION FACILITY

Enclosed are the results of analyses for samples received by the laboratory on 05/07/25 8:45.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (1') (H252719-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1	
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	192	96.1	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (1') (H252719-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	2.29	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	192	96.1	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (1') (H252719-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (1') (H252719-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (1') (H252719-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (1') (H252719-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (1') (H252719-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (1') (H252719-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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Analytical Results For:

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Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (1') (H252719-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 40.6-153

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 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (1') (H252719-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Analytical Results For:

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 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 11 (1') (H252719-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (1') (H252719-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 13 (1') (H252719-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 14 (1') (H252719-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (1') (H252719-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (1') (H252719-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1	
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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Analytical Results For:

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 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 17 (1') (H252719-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
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 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 18 (1') (H252719-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
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 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 19 (1') (H252719-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	1.66	82.9	2.00	12.1		
Toluene*	<0.050	0.050	05/07/2025	ND	1.76	87.8	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	1.76	87.9	2.00	10.3		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	5.62	93.7	6.00	9.83		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 20 (1') (H252719-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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Analytical Results For:

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 CONNER MOEHRING
 310 W WALL ST, SUITE 500
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 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 21 (1') (H252719-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTEx	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 22 (1') (H252719-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	191	95.7	200	5.99	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 23 (1') (H252719-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 24 (1') (H252719-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 25 (1') (H252719-25)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 26 (1') (H252719-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 27 (1') (H252719-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 28 (1') (H252719-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 29 (1') (H252719-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 30 (1') (H252719-30)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 31 (1') (H252719-31)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 32 (1') (H252719-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 33 (1') (H252719-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 34 (1') (H252719-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 35 (1') (H252719-35)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 36 (1') (H252719-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTEx	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 37 (1') (H252719-37)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 38 (1') (H252719-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29	
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3	
Total BTEx	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 39 (1') (H252719-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.26	113	2.00	9.29		
Toluene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	7.91		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.11	106	2.00	11.5		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.39	107	6.00	10.3		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 40 (1') (H252719-40)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66	QM-07	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75	QM-07	
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 41 (1') (H252719-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 42 (1') (H252719-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	183	91.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	200	100	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 43 (1') (H252719-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 44 (1') (H252719-44)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 45 (1') (H252719-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 46 (1') (H252719-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 47 (1') (H252719-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 48 (1') (H252719-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 49 (1') (H252719-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 50 (1') (H252719-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Analytical Results For:

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 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 51 (1') (H252719-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 52 (1') (H252719-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 53 (1') (H252719-53)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 54 (1') (H252719-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 55 (1') (H252719-55)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 56 (1') (H252719-56)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86	
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 57 (1') (H252719-57)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 58 (1') (H252719-58)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86	
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 59 (1') (H252719-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	2.86		
Toluene*	<0.050	0.050	05/07/2025	ND	2.34	117	2.00	6.03		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.49	125	2.00	6.66		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.51	125	6.00	6.75		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 60 (1') (H252719-60)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	209	104	200	1.60	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	203	101	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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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.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1862719

Page 1 of 20

Project Manager:	Commer Moehring	Bill to: (if different)	Cammona Resources
Company Name:	Cammona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@cammonaresources.com

Program: ☐ UST/ ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐	Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐	ADAPT ☐ Other:

Project Name:		Igloo Fed Production Facility			Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number:	2708	☒ Routine	☐ Rush	Due Date:	Standard TAT	Pres. Code										None: NO	DI Water: H ₂ O	
Project Location	Lea County, New Mexico															Cool: Cool	MeOH: Me	
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters										H ₃ PO ₄ : HP
Received Intact:		Yes ☒ No ☐	Correction Factor:		BTEX 8021B										NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes ☒ No ☐ N/A	Temperature Reading:		TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes ☒ No ☐ N/A	Corrected Temperature:		Chloride 4500										Zn Acetate+NaOH: Zn			
Total Containers:															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
1 CS-1 (1')		5/2/2025		X		Comp	1	X	X	X								
2 CS-2 (1')		5/2/2025		X		Comp	1	X	X	X								
3 CS-3 (1')		5/2/2025		X		Comp	1	X	X	X								
4 CS-4 (1')		5/2/2025		X		Comp	1	X	X	X								
5 CS-5 (1')		5/2/2025		X		Comp	1	X	X	X								
6 CS-6 (1')		5/2/2025		X		Comp	1	X	X	X								
7 CS-7 (1')		5/2/2025		X		Comp	1	X	X	X								
8 CS-8 (1')		5/2/2025		X		Comp	1	X	X	X								
9 CS-9 (1')		5/2/2025		X		Comp	1	X	X	X								
10 CS-10 (1')		5/2/2025		X		Comp	1	X	X	X								

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 1252719

Page 2 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me		
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN		
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP		
Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-11 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-12 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-13 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-14 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-15 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-16 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-17 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-18 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-19 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			
CS-20 (1')	5/2/2025		X		Comp	1	X	X	X	X	X	X	X	X	X	X			

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/2/25 0845		

Chain of Custody

Work Order No: H3527119

Page 3 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: ☐ EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2708	Due Date:	Standard TAT														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico																Cool: Cool	MeOH: Me		
Sampler's Name:	JDC/IR																HCL: HC	HNO ₃ : HN		
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Well Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP			
Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:															Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
21 CS-21 (1')	5/2/2025		X		Comp	1	X	X	X											
22 CS-22 (1')	5/2/2025		X		Comp	1	X	X	X											
23 CS-23 (1')	5/2/2025		X		Comp	1	X	X	X											
24 CS-24 (1')	5/2/2025		X		Comp	1	X	X	X											
25 CS-25 (1')	5/2/2025		X		Comp	1	X	X	X											
26 CS-26 (1')	5/2/2025		X		Comp	1	X	X	X											
27 CS-27 (1')	5/2/2025		X		Comp	1	X	X	X											
28 CS-28 (1')	5/2/2025		X		Comp	1	X	X	X											
29 CS-29 (1')	5/2/2025		X		Comp	1	X	X	X											
30 CS-30 (1')	5/2/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Lea County</u>	<u>5/2/25 0845</u>	<u>Shodhargue</u>	

Chain of Custody

Work Order No: H252719

Page 4 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:				Igloo Fed Production Facility				Turn Around		ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																							
Project Number:		2708		☒ Routine ☐ Rush														None: NO		DI Water: H ₂ O																																																																																																																																																																																																																																																																																																																																																																																																									
Project Location		Lea County, New Mexico		Due Date:		Standard TAT												Cool: Cool		MeOH: Me																																																																																																																																																																																																																																																																																																																																																																																																									
Sampler's Name:		JDC/IR																HCL: HC		HNO ₃ : HN																																																																																																																																																																																																																																																																																																																																																																																																									
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na																																																																																																																																																																																																																																																																																																																																																																																																									
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐										H ₃ PO ₄ : HP																																																																																																																																																																																																																																																																																																																																																																																																											
Received Intact:		Yes ☒ No ☐		Thermometer ID:														NaHSO ₄ : NABIS																																																																																																																																																																																																																																																																																																																																																																																																											
Cooler Custody Seals:		Yes ☒ No ☐		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃																																																																																																																																																																																																																																																																																																																																																																																																											
Sample Custody Seals:		Yes ☒ No ☐		Temperature Reading:														Zn Acetate+NaOH: Zn																																																																																																																																																																																																																																																																																																																																																																																																											
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SPC																																																																																																																																																																																																																																																																																																																																																																																																											
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																								
31 CS-31 (1')			5/2/2025		X		Comp	1	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																		

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Tran Tran</i>	5/7/25 0845	<i>Stedraigney</i>	

Chain of Custody

Work Order No: 4252719

Page 5 of 20

Page 67 of 68

Work Order Comments									
Project Manager: Conner Moehring Company Name: Cammona Resources Address: 310 W Wall St Ste 500 City, State ZIP: Midland, TX 79701 Phone: (432) 813-6823 Bill to: (if different) Cammona Resources Company Name: Cammona Resources Address: City, State ZIP:									
Project Name: Igloo Fed Production Facility Project Number: 2708 Project Location: Lea County, New Mexico Sample's Name: JDC/IR PO #: Turn Around Due Date: Standard TAT Pres. Code									
Sample Receipt Received intact: Yes No Cooler Custody Seals: Yes No Sample Custody Seals: Yes No Total Containers: Temp. Blank: Yes No Thermometer ID: Wet Ice: Yes No Correction Factor: Temperature Reading: Corrected Temperature:									
Sample Identification Date Time Soil Water Grab/Comp # of Cont Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500									
ANALYSIS REQUEST									
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me HCL: HC HNO₃: HN H₂SO₄: H₂ NaOH: Na H₃PO₄: HP NH₄OH: NABIS NaHSO₄: NABIS Na₂S₂O₃: NaSO₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC									
Sample Comments									

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 11352719

Page 6 of 20

Page 68 of 68

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me		
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN		
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP		
Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-51 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-52 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-53 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-54 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-55 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-56 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-57 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-58 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-59 (1')	5/2/2025		X		Comp	1	X	X	X	X									
CS-60 (1')	5/2/2025		X		Comp	1	X	X	X	X									

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Conner Moehring</u>	<u>5/2/25 0845</u>	<u>Stadeyquay</u>	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 13, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: IGLOO FED PRODUCTION FACILITY

Enclosed are the results of analyses for samples received by the laboratory on 05/07/25 8:45.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 61 (1') (H252720-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 62 (1') (H252720-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	204	102	200	0.619	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	195	97.4	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 63 (1') (H252720-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 64 (1') (H252720-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 65 (1') (H252720-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 66 (1') (H252720-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 67 (1') (H252720-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 68 (1') (H252720-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 69 (1') (H252720-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 70 (1') (H252720-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
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 MIDLAND TX, 79701
 Fax To:

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 71 (1') (H252720-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 72 (1') (H252720-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 73 (1') (H252720-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 74 (1') (H252720-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 75 (1') (H252720-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 76 (1') (H252720-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 77 (1') (H252720-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 78 (1') (H252720-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79		
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 79 (1') (H252720-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.25	113	2.00	6.79	
Toluene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	9.98	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.26	113	2.00	12.0	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.98	116	6.00	11.9	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 80 (1') (H252720-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 81 (1') (H252720-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 82 (1') (H252720-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	198	99.2	200	0.195	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.6	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 83 (1') (H252720-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 84 (1') (H252720-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 85 (1') (H252720-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 86 (1') (H252720-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 87 (1') (H252720-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 88 (1') (H252720-28)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 89 (1') (H252720-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 90 (1') (H252720-30)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 91 (1') (H252720-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 92 (1') (H252720-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 93 (1') (H252720-33)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 94 (1') (H252720-34)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 95 (1') (H252720-35)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 96 (1') (H252720-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 97 (1') (H252720-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 98 (1') (H252720-38)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474		
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 99 (1') (H252720-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.17	108	2.00	0.474	
Toluene*	<0.050	0.050	05/08/2025	ND	2.48	124	2.00	0.774	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.68	134	2.00	1.53	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	8.07	135	6.00	1.88	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 100 (1.5') (H252720-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 101 (1.5') (H252720-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 102 (1.5') (H252720-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	192	96.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	184	91.9	200	3.29	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 103 (1.5') (H252720-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81	
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 104 (1.5') (H252720-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 105 (1.5') (H252720-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 106 (1.5') (H252720-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81	
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 107 (1.5') (H252720-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 108 (1') (H252720-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 109 (1') (H252720-49)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81	
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 110 (1') (H252720-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 111 (1') (H252720-51)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 112 (1') (H252720-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 113 (3') (H252720-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 114 (3') (H252720-54)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81	
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 115 (3') (H252720-55)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 116 (3') (H252720-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 117 (3') (H252720-57)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 118 (3') (H252720-58)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/07/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	6.54	109	6.00	0.674		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 79.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 119 (3') (H252720-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.16	108	2.00	1.81		
Toluene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	1.27		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.21	111	2.00	0.850		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.54	109	6.00	0.674		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 120 (3') (H252720-60)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 121 (3') (H252720-61)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 122 (3') (H252720-62)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	211	105	200	0.0304	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	201	101	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 123 (3') (H252720-63)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 124 (3') (H252720-64)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 125 (3') (H252720-65)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 126 (3') (H252720-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 127 (1') (H252720-67)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTEx	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 128 (1') (H252720-68)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTEx	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 129 (1') (H252720-69)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 130 (1') (H252720-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80		
Total BTEX	<0.300	0.300	05/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 11350120

Page 7 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me			
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN			
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP			
Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:															Zn Acetate+NaOH: Zn			
Total Containers:	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-61 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-62 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-63 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-64 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-65 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-66 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-67 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-68 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-69 (1')	5/2/2025		X		Comp	1	X	X	X											
CS-70 (1')	5/2/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>9/7/25 1845</u>	<u>[Signature]</u>	

Chain of Custody

Work Order No: 1452720

Page 8 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:				Turn Around				ANALYSIS REQUEST												Preservative Codes	
Project Number:		2708		☒ Routine ☐ Rush				Pres. Code										None: NO		DI Water: H ₂ O	
Project Location		Lea County, New Mexico		Due Date:		Standard TAT												Cool: Cool		MeOH: Me	
Sampler's Name:		JDC/IR																HCL: HC		HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT				Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐								H ₃ PO ₄ : HP			
Received Intact:				Yes ☒ No ☐		Thermometer ID:												NaHSO ₄ : NABIS			
Cooler Custody Seals:				Yes ☒ No ☐ N/A		Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:				Yes ☒ No ☐ N/A		Temperature Reading:												Zn Acetate+NaOH: Zn			
Total Containers:						Corrected Temperature:												NaOH+Ascorbic Acid: SPC			
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont						Sample Comments	
11				CS-71 (1')		5/2/2025						Comp		1		X		X			
12				CS-72 (1')		5/2/2025		X				Comp		1		X		X			
13				CS-73 (1')		5/2/2025		X				Comp		1		X		X			
14				CS-74 (1')		5/2/2025		X				Comp		1		X		X			
15				CS-75 (1')		5/2/2025		X				Comp		1		X		X			
16				CS-76 (1')		5/2/2025		X				Comp		1		X		X			
17				CS-77 (1')		5/2/2025		X				Comp		1		X		X			
18				CS-78 (1')		5/2/2025		X				Comp		1		X		X			
19				CS-79 (1')		5/2/2025		X				Comp		1		X		X			
20				CS-80 (1')		5/2/2025		X				Comp		1		X		X			

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Juan Ramirez</i>	<i>5/19/25/845</i>	<i>APDAAAB</i>	

Chain of Custody

Work Order No: H258720

Page 9 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	Well Ice:	Yes ☒ No ☐										H ₃ PO ₄ : HP	
Received In tact:	Yes ☒ No ☐		Correction Factor:													NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐ N/A		Temperature Reading:													Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐ N/A		Corrected Temperature:													Zn Acetate+NaOH: Zn	
Total Containers:																NaOH+Ascorbic Acid: SANC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH													Sample Comments
21 CS-81 (1')	5/2/2025		X		Comp	1	X	X	X											
22 CS-82 (1')	5/2/2025		X		Comp	1	X	X	X											
23 CS-83 (1')	5/2/2025		X		Comp	1	X	X	X											
24 CS-84 (1')	5/2/2025		X		Comp	1	X	X	X											
25 CS-85 (1')	5/2/2025		X		Comp	1	X	X	X											
26 CS-86 (1')	5/2/2025		X		Comp	1	X	X	X											
27 CS-87 (1')	5/2/2025		X		Comp	1	X	X	X											
28 CS-88 (1')	5/2/2025		X		Comp	1	X	X	X											
29 CS-89 (1')	5/2/2025		X		Comp	1	X	X	X											
30 CS-90 (1')	5/2/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Tram Turner</u>	5/7/25/1845	<u>APRADO</u>	

Chain of Custody

Work Order No. 1532120

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[illegible]

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 1450706

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Page 77 of 79

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes			
Project Name:		Igloo Fed Production Facility		Turn Around		Press. Code						None: NO	DI Water: H ₂ O
Project Number:		2708		☒ Routine	☐ Rush							Cool: Cool	MeOH: Me
Project Location		Lea County, New Mexico		Due Date:		Standard TAT						HCL: HC	HNO ₃ : HN
Sampler's Name:		JDC/IR										H ₂ SO ₄ : H ₂	NaOH: Na
PO #:												H ₃ PO ₄ : HP	
SAMPLE RECEIPT													
Received Inact:		Temp Blank:		Yes ☒ No		Yes ☒ No						NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes ☒ No		N/A		Correction Factor:		#114				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes ☒ No		N/A		Temperature Reading:		4.3				Zn Acetate+NaOH: Zn	
Total Containers:						Corrected Temperature:		4.4				NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont	
41	CS-101 (1.5')	5/2/2025				X				Comp		1	
42	CS-102 (1.5')	5/2/2025				X				Comp		1	
43	CS-103 (1.5')	5/2/2025				X				Comp		1	
44	CS-104 (1.5')	5/2/2025				X				Comp		1	
45	CS-105 (1.5')	5/2/2025				X				Comp		1	
46	CS-106 (1.5')	5/2/2025				X				Comp		1	
47	CS-107 (1.5')	5/2/2025				X				Comp		1	
48	CS-108 (1')	5/2/2025				X				Comp		1	
49	CS-109 (1')	5/2/2025				X				Comp		1	
50	CS-110 (1')	5/2/2025				X				Comp		1	
												Sample Comments	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Travis Ransom</i>	5/7/25/1845	<i>APowers</i>	

Chain of Custody

Work Order No: H5587180

Page 12 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Cammona Resources
Company Name:	Cammona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@cammonaresources.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O	
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me	
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:															Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH													Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
51	CS-111 (1')	5/2/2025		X		Comp	1	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Lea County</u>	<u>5/7/85 / 845</u>	<u>Opal</u>	

Chain of Custody

Work Order No: 143520

Page 13 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐	Level III ☐
☐ PST/UST	☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐	ADAPT ☐
Other:	

Project Name:	Iqloo Fed Production Facility	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	2708																None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico	Due Date:		Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	JDC/IR																HCL: HC	HNO ₃ : HN
PO #:		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Received Intact:	Yes ☒ No ☐	Thermometer ID:	#146	Parameters										H ₃ PO ₄ : HP		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:		Temperature Reading:	40.36	BTX 8021B										NaHSO ₄ : NABIS		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	4.15			TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ : NaSO ₃		
Total Containers:		Corrected Temperature:	4.45			Chloride 4500										Zn Acetate+NaOH: Zn		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments		
L01 CS-121 (3')	5/2/2025		X		Comp	1	X	X	X										
L02 CS-122 (3')	5/2/2025		X		Comp	1	X	X	X										
L03 CS-123 (3')	5/2/2025		X		Comp	1	X	X	X										
L04 CS-124 (3')	5/2/2025		X		Comp	1	X	X	X										
L05 CS-125 (3')	5/2/2025		X		Comp	1	X	X	X										
L06 CS-126 (3')	5/2/2025		X		Comp	1	X	X	X										
L07 CS-127 (1')	5/2/2025		X		Comp	1	X	X	X										
L08 CS-128 (1')	5/2/2025		X		Comp	1	X	X	X										
L09 CS-129 (1')	5/2/2025		X		Comp	1	X	X	X										
L10 CS-130 (1')	5/2/2025		X		Comp	1	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Lea Ramon</u>	<u>5/7/25/845</u>	<u>ADP</u>	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 13, 2025

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: IGLOO FED PRODUCTION FACILITY

Enclosed are the results of analyses for samples received by the laboratory on 05/07/25 8:45.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 131 (1') (H252721-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTEX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 132 (1') (H252721-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/07/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/07/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/07/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/07/2025	ND	7.00	117	6.00	5.80	
Total BTX	<0.300	0.300	05/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 133 (1') (H252721-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.7 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 134 (1') (H252721-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 135 (1') (H252721-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 136 (1') (H252721-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 137 (1') (H252721-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 138 (1.5') (H252721-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 139 (1.5') (H252721-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.08	104	2.00	3.90		
Toluene*	<0.050	0.050	05/08/2025	ND	2.19	110	2.00	5.07		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.20	110	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	7.00	117	6.00	5.80		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 140 (1.5') (H252721-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 141 (1.5') (H252721-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 142 (1.5') (H252721-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	193	96.4	200	0.599	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	190	95.0	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 143 (1.5') (H252721-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 144 (1.5') (H252721-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 145 (1.5') (H252721-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 146 (1.5') (H252721-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 147 (1.5') (H252721-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 148 (1.5') (H252721-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 149 (1.5') (H252721-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 150 (1.5') (H252721-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 70.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 151 (1.5') (H252721-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 152 (1.5') (H252721-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 153 (1.5') (H252721-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 70.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 154 (1.5') (H252721-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 155 (1.5') (H252721-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 156 (1.5') (H252721-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 157 (1.5') (H252721-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 158 (1.5') (H252721-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36	
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 159 (1.5') (H252721-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.18	109	2.00	1.36		
Toluene*	<0.050	0.050	05/08/2025	ND	2.33	116	2.00	0.831		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.24	112	2.00	0.241		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	0.142		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 160 (1.5') (H252721-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 161 (1.5') (H252721-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 162 (1.5') (H252721-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	202	101	200	0.773	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	194	97.0	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 163 (1.5') (H252721-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 164 (1.5') (H252721-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 165 (1.5') (H252721-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 166 (1.5') (H252721-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 167 (1.5') (H252721-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 168 (1.5') (H252721-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 169 (1.5') (H252721-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 170 (1.5') (H252721-40)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (1.5') (H252721-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEx	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (1.5') (H252721-42)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (1.5') (H252721-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (0.5') (H252721-44)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (1') (H252721-45)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (1') (H252721-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (1') (H252721-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62	
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.0 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (1') (H252721-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (1') (H252721-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	1.62		
Toluene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	1.75		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.17	109	2.00	0.922		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.45	107	6.00	0.694		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (1') (H252721-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (1') (H252721-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (1') (H252721-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	201	100	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	189	94.7	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (1.5') (H252721-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 14 (0.5') (H252721-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 (0.5') (H252721-55)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 16 (1.5') (H252721-56)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 17 (3') (H252721-57)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 (3') (H252721-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 19 (3') (H252721-59)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 20 (3') (H252721-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 21 (3') (H252721-61)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 22 (2') (H252721-62)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 23 (1') (H252721-63)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 24 (1.5') (H252721-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 25 (1.5') (H252721-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 26 (1.5') (H252721-66)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEx	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 27 (1.5') (H252721-67)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEX	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 28 (0.5') (H252721-68)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89	
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63	
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30	
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20	
Total BTEx	<0.300	0.300	05/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 29 (1') (H252721-69)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.03	102	2.00	2.89		
Toluene*	<0.050	0.050	05/08/2025	ND	2.14	107	2.00	2.63		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.13	106	2.00	2.30		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.71	112	6.00	2.20		
Total BTEx	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Analytical Results For:

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

Received: 05/07/2025
 Reported: 05/13/2025
 Project Name: IGLOO FED PRODUCTION FACILITY
 Project Number: 2708
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 05/02/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 30 (1') (H252721-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2025	ND	2.10	105	2.00	0.582		
Toluene*	<0.050	0.050	05/08/2025	ND	2.06	103	2.00	0.826		
Ethylbenzene*	<0.050	0.050	05/08/2025	ND	2.04	102	2.00	0.00892		
Total Xylenes*	<0.150	0.150	05/08/2025	ND	6.35	106	6.00	0.0723		
Total BTEX	<0.300	0.300	05/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2025	ND	189	94.4	200	4.06	
DRO >C10-C28*	<10.0	10.0	05/08/2025	ND	197	98.5	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	05/08/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.1 % 40.6-153

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 1450121

Page 14 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Work Order Comments	
Program: UST/PRP ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: Level II ☐ Level III ☐ UST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:		Igloo Fed Production Facility		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2708	☒ Routine	☐ Rush	Due Date:	Standard TAT														None: NO	DI Water: H ₂ O	
Project Location	Lea County, New Mexico																	Cool: Cool	MeOH: Me		
Sampler's Name:	JDC/IR																	HCL: HC	HNO ₃ : HN		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No	Wet Ice:	Yes ☒ No													H ₃ PO ₄ : HP			
Received Intact:	Yes ☒ No	Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No	Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-131 (1')		5/2/2025		X		Comp	1	BTEX 8021B													
CS-132 (1')		5/2/2025		X		Comp	1	TPH 8015M (GRO + DRO + MRO)													
CS-133 (1')		5/2/2025		X		Comp	1	Chloride 4500													
CS-134 (1')		5/2/2025		X		Comp	1														
CS-135 (1')		5/2/2025		X		Comp	1														
CS-136 (1')		5/2/2025		X		Comp	1														
CS-137 (1')		5/2/2025		X		Comp	1														
CS-138 (1.5')		5/2/2025		X		Comp	1														
CS-139 (1.5')		5/2/2025		X		Comp	1														
CS-140 (1.5')		5/2/2025		X		Comp	1														

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/7/25 0845		

Chain of Custody

Work Order No: 1550781

Page 15 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐	Level II ☐
Level III ☐	PST/UST ☐
Level IV ☐	TRRP ☐
Deliverables: EDD ☐	Adapt ☐
Other:	

Project Name:		Igloo Fed Production Facility		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2708	☒ Routine	☐ Rush	Due Date:	Standard TAT														None: NO	DI Water: H ₂ O	
Project Location		Lea County, New Mexico																	Cool: Cool	MeOH: Me	
Sampler's Name:		JDC/IR																	HCL: HC	HNO ₃ : HN	
PO #:																			H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes/No	Wet Ice:	Yes/No	Parameters												H ₃ PO ₄ : HP			
Received Intact:	Yes/No	No																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes/No	N/A																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes/No	N/A																Zn Acetate+NaOH: Zn			
Total Containers:			Corrected Temperature:															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
11	CS-141 (1.5')	5/2/2025		X		Comp	1	X	X	X											
12	CS-142 (1.5')	5/2/2025		X		Comp	1	X	X	X											
13	CS-143 (1.5')	5/2/2025		X		Comp	1	X	X	X											
14	CS-144 (1.5')	5/2/2025		X		Comp	1	X	X	X											
15	CS-145 (1.5')	5/2/2025		X		Comp	1	X	X	X											
16	CS-146 (1.5')	5/2/2025		X		Comp	1	X	X	X											
17	CS-147 (1.5')	5/2/2025		X		Comp	1	X	X	X											
18	CS-148 (1.5')	5/2/2025		X		Comp	1	X	X	X											
19	CS-149 (1.5')	5/2/2025		X		Comp	1	X	X	X											
20	CS-150 (1.5')	5/2/2025		X		Comp	1	X	X	X											

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Tram Ramon</u>	<u>5/7/25 0845</u>	<u>Shedrick</u>	

Chain of Custody

Work Order No: 14563121

Page 16 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@camronaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 1458781

Page 17 of 20

Project Manager:		Conner Moehring		Bill to: (if different)		Camrona Resources	
Company Name:		Camrona Resources		Company Name:			
Address:		310 W Wall St Ste 500		Address:			
City, State ZIP:		Midland, TX 79701		City, State ZIP:			
Phone:		(432) 813-6823		Email:		cmoehring@camronaresources.com	
Project Name:		Igluo Fed Production Facility		Turn Around			
Project Number:		2708		☒ Routine ☐ Rush			
Project Location:		Lea County, New Mexico		Due Date:		Standard TAT	
Sampler's Name:		JDC/IR					
PO #:							
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:	
Received In tact:		Yes ☒ No ☐		Thermometer ID:		Yes ☒ No ☐	
Cooler Custody Seals:		Yes ☒ No ☐		Correction Factor:		+0.3	
Sample Custody Seals:		Yes ☒ No ☐		Temperature Reading:		4.4	
Total Containers:				Corrected Temperature:		4.4	
Sample Identification		Date		Time		Soil	
31 CS-161 (1.5')		5/2/2025				X	
32 CS-162 (1.5')		5/2/2025				X	
33 CS-163 (1.5')		5/2/2025				X	
34 CS-164 (1.5')		5/2/2025				X	
35 CS-165 (1.5')		5/2/2025				X	
36 CS-166 (1.5')		5/2/2025				X	
37 CS-167 (1.5')		5/2/2025				X	
38 CS-168 (1.5')		5/2/2025				X	
39 CS-169 (1.5')		5/2/2025				X	
40 CS-170 (1.5')		5/2/2025				X	
Parameters		Grab/Comp		# of Cont			
BTEX 8021B		X		X		X	
TPH 8015M (GRO + DRO + MRO)		X		X		X	
Chloride 4500		X		X		X	
ANALYSIS REQUEST							
Preservative Codes		None: NO		DI Water: H ₂ O			
		Cool: Cool		MeOH: Me			
		HCL: HC		HNO ₃ : HN			
		H ₂ SO ₄ : H ₂		NaOH: Na			
		H ₃ PO ₄ : HP					
		NaHSO ₄ : NABIS					
		Na ₂ S ₂ O ₃ : NaSO ₃					
		Zn Acetate+NaOH: Zn					
		NaOH+Ascorbic Acid: SACP					
Sample Comments							

Comments:

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<u>[Signature]</u>		<u>5/7/25 0845</u>		<u>[Signature]</u>			

Chain of Custody

Work Order No: 405291

Page 18 of 20

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Igloo Fed Production Facility	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	2708	Due Date:	Standard TAT												None: NO	DI Water: H ₂ O			
Project Location:	Lea County, New Mexico														Cool: Cool	MeOH: Me			
Sampler's Name:	JDC/IR														HCL: HC	HNO ₃ : HN			
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☐ No ☒	Wet Ice:	Yes ☐ No ☒											H ₃ PO ₄ : HP		
Received Intact:	Yes ☒ No ☐	Correction Factor:	Yes ☐ No ☒	Temperature Reading:	Yes ☐ No ☒	Corrected Temperature:	Yes ☐ No ☒											NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☐ No ☒																	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☐ No ☒																	Zn Acetate+NaOH: Zn	
Total Containers:																		NaOH+Ascorbic Acid: SACP	

Sample Identification					Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
411	SW-1 (1.5')				5/2/2025		X		Comp	1	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	5/7/25 0845	<i>Stoddard</i>	

Chain of Custody

Work Order No: H450201Page 19 of 20

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Project Manager:		Conner Moehring		Bill to: (if different)		Carmona Resources	
Company Name:		Carmona Resources		Company Name:			
Address:		310 W Wall St Ste 500		Address:			
City, State ZIP:		Midland, TX 79701		City, State ZIP:			
Phone:		(432) 813-6823		Email:		cmoehring@carmonaresources.com	

Project Name:		Igloo Fed Production Facility		Turn Around		Pres. Code	
Project Number:		2708		☒ Routine ☐ Rush			
Project Location:		Lea County, New Mexico		Due Date:		Standard TAT	
Sampler's Name:		JDC/IR					
PO #:							
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice: Yes ☒ No ☐	
Received Intact:		Yes ☒ No ☐		Thermometer ID:		140	
Cooler Custody Seals:		Yes ☒ No ☐ N/A		Correction Factor:		+0.3	
Sample Custody Seals:		Yes ☒ No ☐ N/A		Temperature Reading:		4.1	
Total Containers:				Corrected Temperature:		4.4	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes
S1 SW-11 (1')	5/2/2025		X		Comp	1	BTEX 8021B												None: NO
S2 SW-12 (1')	5/2/2025		X		Comp	1	TPH 8015M (GRO + DRO + MRO)												DI Water: H ₂ O
S3 SW-13 (1.5')	5/2/2025		X		Comp	1													Cool: Cool
S4 SW-14 (0.5')	5/2/2025		X		Comp	1													HCL: HC
S5 SW-15 (0.5')	5/2/2025		X		Comp	1													H ₂ SO ₄ : H ₂
S6 SW-16 (1.5')	5/2/2025		X		Comp	1													H ₃ PO ₄ : HP
S7 SW-17 (3)	5/2/2025		X		Comp	1													NaHSO ₄ : NABIS
S8 SW-18 (3)	5/2/2025		X		Comp	1													Na ₂ S ₂ O ₃ : NaSO ₃
S9 SW-19 (3)	5/2/2025		X		Comp	1													Zn Acetate+NaOH: Zn
S10 SW-20 (3)	5/2/2025		X		Comp	1													NaOH+Ascorbic Acid: SACP

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Conner Moehring</i>		5/7/25 0845		<i>Stacy Capron</i>			

Comments:

Chain of Custody

Work Order No: 14552721

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	cmoehring@carmonaresources.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:	Igloo Fed Production Facility	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2708	☒ Routine ☐ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico	Due Date:	Standard TAT													Cool: Cool	MeOH: Me		
Sampler's Name:	JDC/IR															HCL: HC	HNO ₃ : HN		
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												H ₃ PO ₄ : HP			
Received In tact:	Yes ☒ No ☐	Thermometer ID:														NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:														Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SPC			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont														Sample Comments
SW-21 (3)	5/2/2025		X		Comp	1	X	X	X	X										
SW-22 (2)	5/2/2025		X		Comp	1	X	X	X	X										
SW-23 (1')	5/2/2025		X		Comp	1	X	X	X	X										
SW-24 (1.5')	5/2/2025		X		Comp	1	X	X	X	X										
SW-25 (1.5')	5/2/2025		X		Comp	1	X	X	X	X										
SW-26 (1.5')	5/2/2025		X		Comp	1	X	X	X	X										
SW-27 (1.5')	5/2/2025		X		Comp	1	X	X	X	X										
SW-28 (0.5')	5/2/2025		X		Comp	1	X	X	X	X										
SW-29 (1')	5/2/2025		X		Comp	1	X	X	X	X										
SW-30 (1')	5/2/2025		X		Comp	1	X	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carmona</i>	5/7/25 0945	<i>Stoddard</i>	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 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		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

H250358

Page 1 of 1[illegible]

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

QUESTIONS

Action 510008

QUESTIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2507938040
Incident Name	NAPP2507938040 IGLOO FED PRODUCTION FACILITY @ FAPP2429536536
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2429536536] IGLOO FED PRODUCTION FACILITY

Location of Release Source

Please answer all the questions in this group.

Site Name	Igloo Fed Production Facility
Date Release Discovered	03/20/2025
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 Valve Produced Water Released: 45 BBL Recovered: 0 BBL Lost: 45 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)	n/a

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QUESTIONS, Page 2

Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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	n/a

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: Connor Moehring Title: Chief Operating Officer Email: Cmoehring@carmonaresources.com Date: 09/29/2025
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QUESTIONS, Page 3

Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID:
	331569
	Action Number:
	510008
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
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)	384
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/24/2025
On what date will (or did) the final sampling or liner inspection occur	05/02/2025
On what date will (or was) the remediation complete(d)	05/20/2025
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	34350
What is the estimated volume (in cubic yards) that will be remediated	1600
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	FEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: Connor Moehring Title: Chief Operating Officer Email: Cmoehring@carmonaresources.com Date: 09/29/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	456990
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2025
What was the (estimated) number of samples that were to be gathered	195
What was the sampling surface area in square feet	32560

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	34350
What was the total volume (cubic yards) remediated	1600
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)	none

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

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

I hereby agree and sign off to the above statement	Name: Connor Moehring Title: Chief Operating Officer Email: Cmoehring@carmonaresources.com Date: 09/29/2025
--	--

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Action 510008

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	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

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CONDITIONS

Action 510008

CONDITIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 510008
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	11/13/2025