



SITE INFORMATION

Deferment Report
Peregrine 27 Fed Com CTB
Incident ID: nAPP2318749749
Lea County, New Mexico
Unit O Sec 27 T24S R34E
32.184900°, -103.455600°

Crude Oil and Produced Water Release
Point of Release: Separator Line Washout
Release Date: 06/26/23
Volume Released: 10 Barrels of Crude Oil and 20 Barrels of Produced Water
Volume Recovered: 3 Barrels of Crude Oil and 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
EOG Resources
5509 Champions Drive
Midland, TX 79706

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



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July 24, 2026

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

**Re: Deferment Report
Peregrine 27 Fed Com CTB
EOG Resources Inc.
Incident #: nAPP2318749749
Site Location: Unit O Sec 27 T24S R34E
(Lat 32.184900°, Long -103.455600°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Peregrine 27 Fed Com CTB. The site is located at 32.184900°, -103.455600° within Unit O Sec 27 T24S R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 26, 2023, caused by a hole developed in a separator line. It released approximately ten (10) barrels of crude oil and twenty (20) barrels of produced water. Approximately three (3) barrels of crude oil and zero (0) barrels of produced water were recovered from the initial response. The release impacted the area under and surrounding the facility equipment on the pad, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.89 miles southeast of the site in S35, T24S, and R34E and was drilled in 2013. The well has a reported depth to groundwater of 223.94 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion 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.

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Midland, Texas 79701
432.813.1992



4.0 Site Assessment Activities

Initial Assessment

On June 27, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts from the release. A total of six (6) sample points (S-1 through S-6) and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 2' bgs within and surrounding the release area to evaluate the vertical and horizontal extent. On June 23, 2026, additional horizontal samples (H-5 & H-6) were collected to further evaluate the horizontal extent of the release. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

All analyzed sample points showed elevated TPH concentrations ranging from 134 mg/kg to 1,063 mg/kg. Vertical delineation could not be achieved due to a dense, cemented geological formation ranging from 0.5-2' bgs in various areas of the release. Refer to Table 1.

Horizontal Delineation

All horizontal locations were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on October 31, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of sixteen (16) confirmation floor samples (CS-1 through CS-16) and twenty-eight (28) sidewall samples (SW-1 through SW-28) 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 Figure 4.

Deferment Area

The areas of samples (SW-1, SW-2, SW-3 SW-11, and SW-18) showed elevated chloride and Total TPH concentrations. Refer to table 2. The deferment area and the sample points that are still above the regulatory limits are shown in Figure 4. Once the equipment is removed, those areas will be evaluated further.

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

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Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 260 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the area, safety, and support of the facility equipment, EOG requests to defer the TPH and chloride impact from areas under the facility equipment until the equipment is removed. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

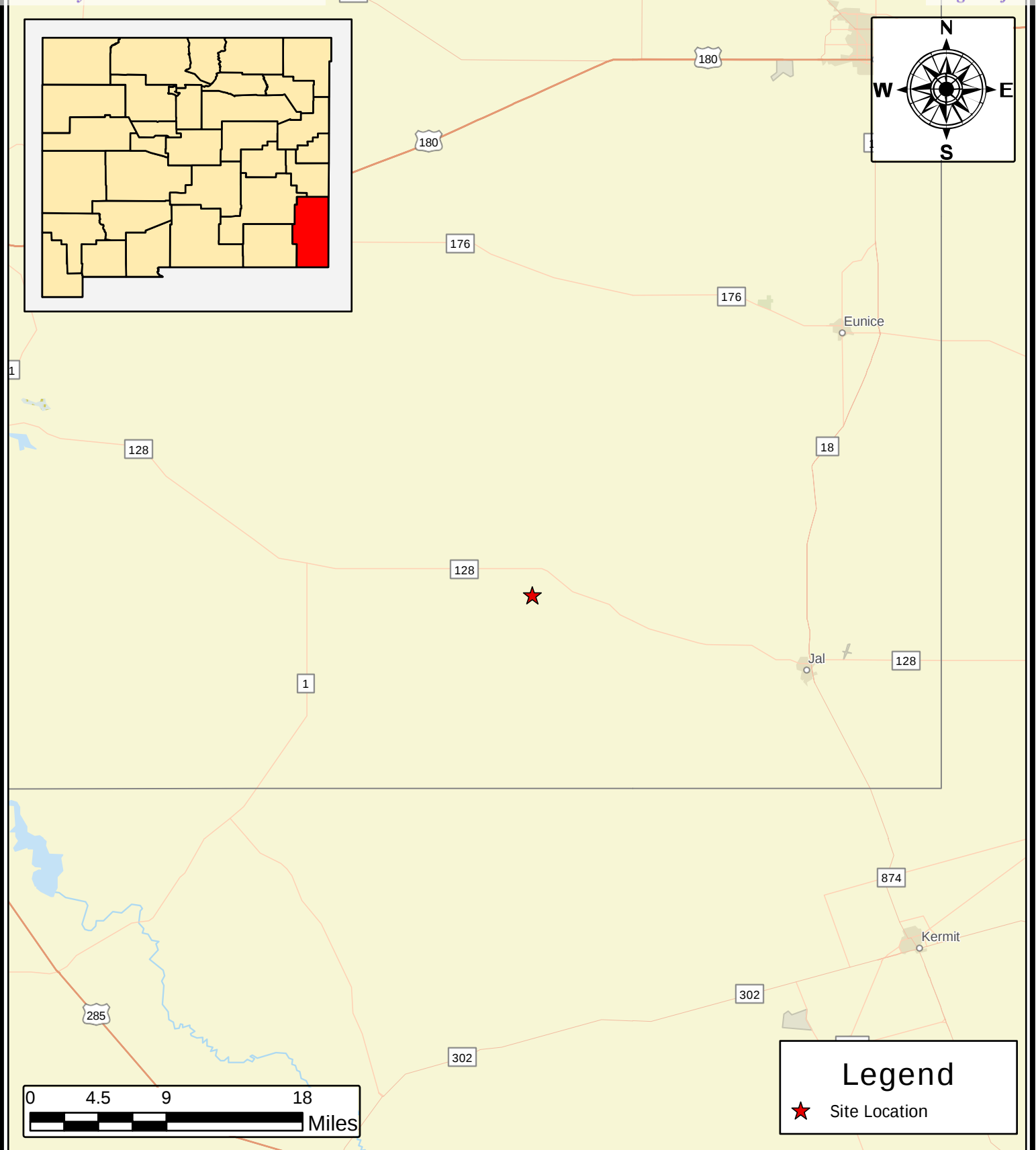
Conner Moehring
Environmental Manager

Stephen Reyes
Environmental Engineer

FIGURES

CARMONA RESOURCES



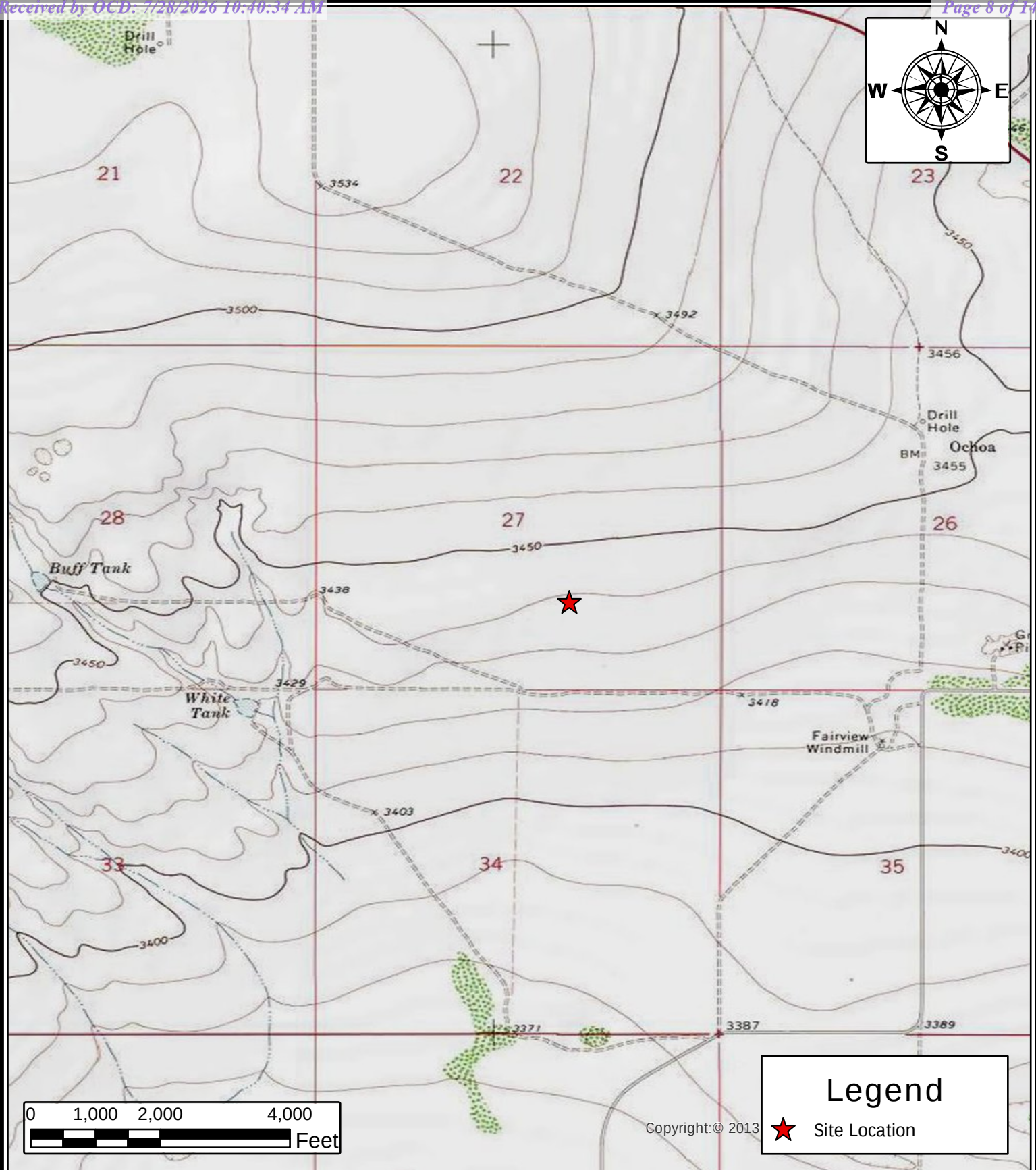


OVERVIEW MAP EOG RESOURCES PEREGRINE 27 FED COM CTB LEA COUNTY, NEW MEXICO 32.184900, -103.455600	
SCALE: As Shown	Date: 7/27/2023

 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84

DRAWING NUMBER: FIGURE 1
SHEET NUMBER: 1 of 1

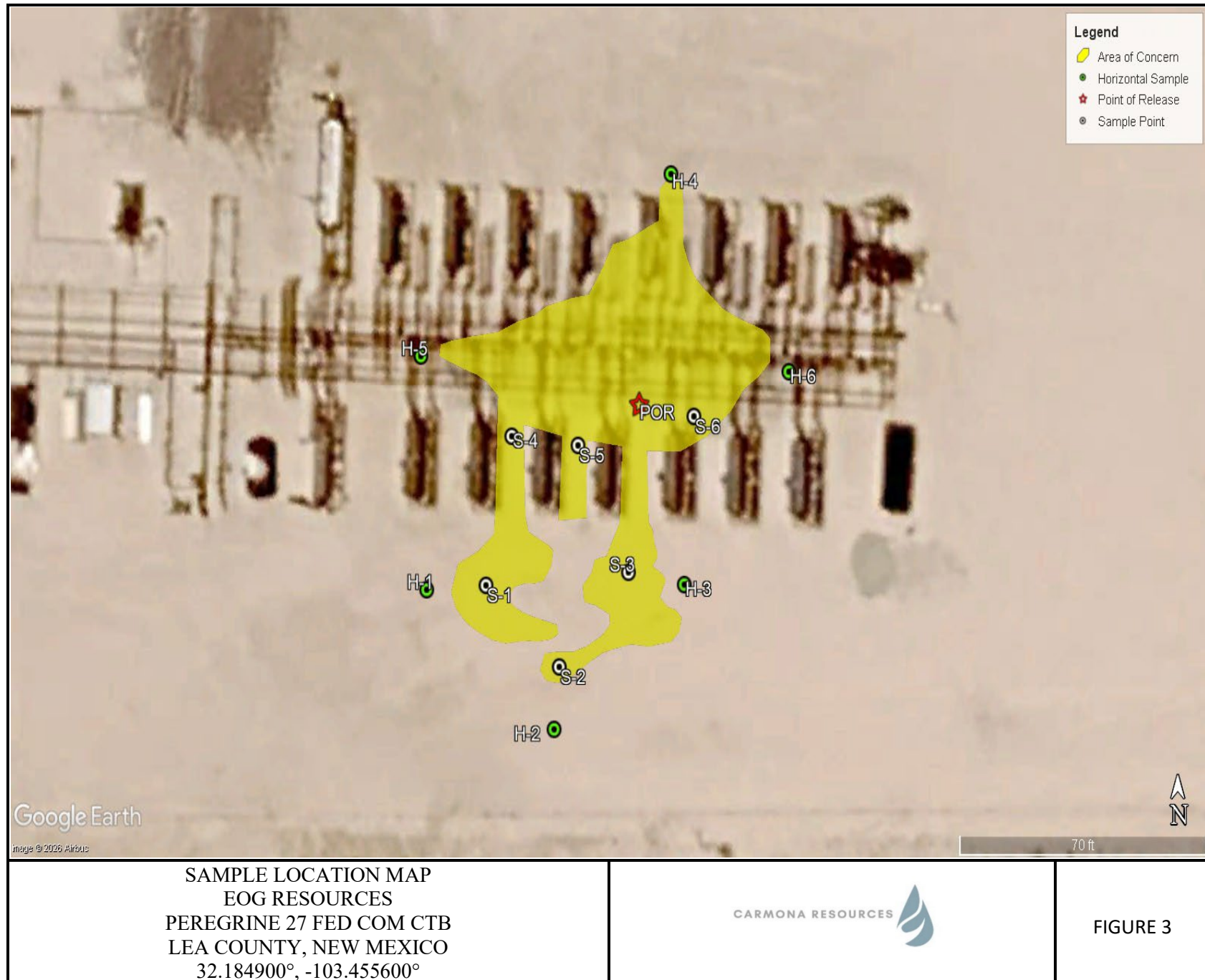


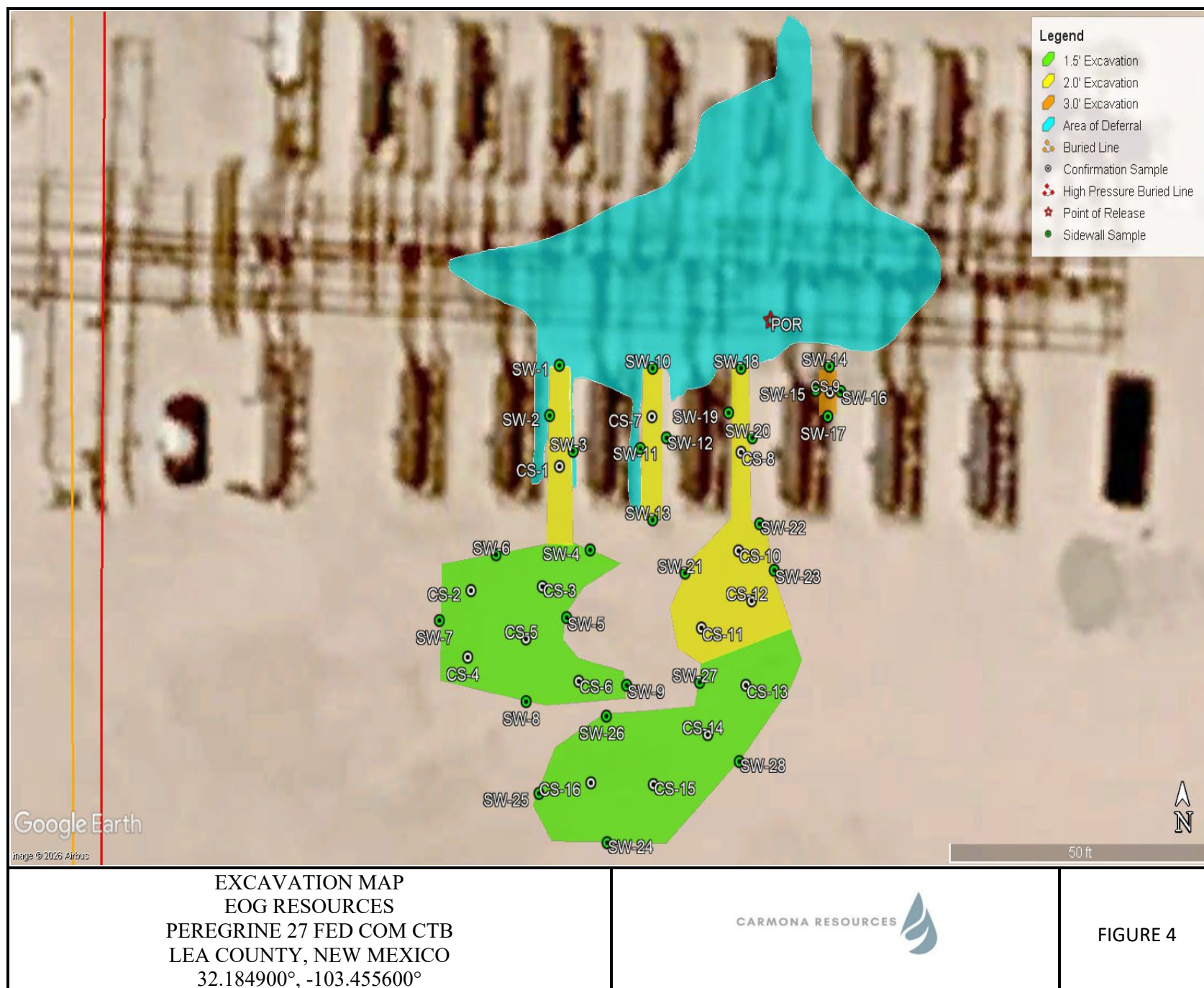
TOPOGRAPHIC MAP EOG RESOURCES PEREGRINE 27 FED COM CTB LEA COUNTY, NEW MEXICO 32.184900, -103.455600	
SCALE: As Shown	Date: 7/27/2023

 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84

DRAWING NUMBER: FIGURE 2
SHEET NUMBER: 1 of 1





APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Peregrine 27 Fed Com CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/27/2023	0-0.5	18.0	864	181	1,063	<0.050	<0.050	0.071	0.285	0.356	3,240
S-2	6/27/2023	0-0.5	17.1	684	162	863	<0.050	0.068	0.146	0.680	0.894	2,040
S-3	6/27/2023	0-1	<10.0	104	29.7	134	<0.050	<0.050	<0.050	<0.150	<0.300	496
	"	1.5	32.1	865	156	1,053	<0.050	0.131	0.198	1.14	1.47	1,880
S-4	6/27/2023	0-1	<10.0	199	47.0	246	<0.050	<0.050	<0.050	<0.150	<0.300	880
	"	1.5	<10.0	261	52.9	314	<0.050	<0.050	<0.050	<0.150	<0.300	528
S-5	6/27/2023	0-1	<10.0	206	47.0	253	<0.050	<0.050	<0.050	<0.150	<0.300	704
	"	1.5	<10.0	171	31.8	203	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-6	6/27/2023	0-1	<10.0	141	28.6	170	<0.050	<0.050	<0.050	<0.150	<0.300	256
	"	1.5	<10.0	156	35.2	191	<0.050	<0.050	<0.050	<0.150	<0.300	288
	"	2	<10.0	168	26.0	194	<0.050	<0.050	0.050	0.210	<0.300	176
H-1	6/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	6/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	6/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	6/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	6/23/2026	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
H-6	6/23/2026	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
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

(S) - Sample Point

(H) - Horizontal Sample

 Removed

Table 2
EOG Resources
Peregrine 27 Fed Com CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-2	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-7	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-8	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
CS-9	11/2/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-10	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-12	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-13	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-14	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-15	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
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 2
EOG Resources
Peregrine 27 Fed Com CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	848
	11/6/2023	2.0	<10.0	99.7	17.1	117	<0.050	<0.050	<0.050	<0.150	<0.300	3,720
SW-2	11/2/2023	2.0	<10.0	102	18.8	121	<0.050	<0.050	<0.050	<0.150	<0.300	1,960
	11/6/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
SW-3	11/2/2023	2.0	<10.0	15.2	<10.0	15.2	<0.050	<0.050	<0.050	<0.150	<0.300	2,720
	11/6/2023	2.0	<10.0	111	<10.0	111	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-6	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-7	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-9	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-10	11/2/2023	2.0	22.3	871	178	1,071	<0.050	<0.050	0.051	0.294	0.364	2,720
	11/6/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
SW-11	11/2/2023	2.0	22.7	1,140	254	1,416	<0.050	<0.050	0.088	0.531	0.65	3,080
	11/6/2023	2.0	<10.0	250	31.8	281	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-12	11/2/2023	2.0	<10.0	<10.0	25.2	25.2	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-13	11/2/2023	2.0	<10.0	427	155	582	<0.050	<0.050	<0.050	<0.150	<0.300	176
	11/6/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-14	11/2/2023	3.0	<10.0	<10.0	13.5	13.5	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-15	11/2/2023	3.0	<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

(SW) Sidewall Sample

Exceeds

Deferral

Table 2
EOG Resources
Peregrine 27 Fed Com CTB
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-16	11/2/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-17	11/2/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-18	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,650
	11/6/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,620
SW-19	11/2/2023	2.0	<10.0	1,180	302	1,482	<0.050	<0.050	<0.050	<0.150	<0.300	976
	11/6/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-20	11/2/2023	2.0	<10.0	30.9	14.4	45.3	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
	11/6/2023	2.0	<10.0	23.7	<10.0	23.7	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-21	11/2/2023	2.0	<10.0	<10.0	13.5	13.5	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-22	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-23	11/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-24	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-25	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-26	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-27	11/2/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-28	11/2/2023	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

(SW) Sidewall Sample

Exceeds

Deferral

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

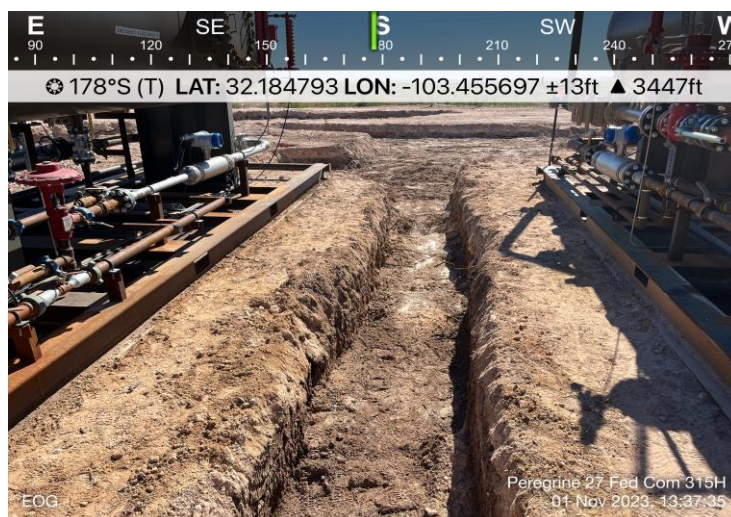
Photograph No. 1

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View South, area of CS-1.



Photograph No. 2

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View Northwest, area of CS-2 through CS-6.



Photograph No. 3

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View Southeast, area of CS-7.



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 4

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View North, area of CS-8 through CS-12.



Photograph No. 5

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View North, area of CS-9.



Photograph No. 6

Facility: Peregrine 27 Fed Com CTB

County: Lea County, New Mexico

Description:

View Southwest, area of CS-13 through CS-16.



APPENDIX C

CARMONA RESOURCES



District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 236701

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 236701
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Peregrine 27 Fed Com CTB
Date Release Discovered	06/26/2023
Surface Owner	Federal

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
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	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 10 BBL Recovered: 3 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 20 BBL Recovered: 0 BBL Lost: 20 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410
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QUESTIONS, Page 2

Action 236701

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 236701
	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 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	James Kennedy
If YES, was immediate notice given to the OCD, to whom	OCD.Enviro Inbox
If YES, was immediate notice given to the OCD, when	06/26/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Email notification to the OCD Enviro Inbox
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

Per 19.15.29.8 B. (4) 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.

District I

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

ACKNOWLEDGMENTS

Action 236701

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 236701
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a releases 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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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 236701

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 236701
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
todd wells	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/6/2023

District I
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District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2318749749
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2318749749
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.184900° Longitude -103.455600°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Peregrine 27 Fed Com CTB	Site Type CTB
Date Release Discovered 6/26/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	27	24S	34E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 10	Volume Recovered (bbls) 3
☒ Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The line going to the #315H separator washed out and developed a hole causing a release of crude oil and produced water. Approximately 20 bbls of produced water and 10 bbls of oil was released around the equipment on the pad and 3 bbls of oil was recovered.

Incident ID	NAPP2318749749
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, James Kennedy email notification to the OCD.Enviro Inbox on 6/26/23.	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>7/6/23</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>7/6/2023</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: James Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: James Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 236744

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 236744
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/6/2023

From: Wells, Shelly, EMNRD
Sent: Tuesday, October 31, 2023 8:40 AM
To: Conner Moehring
Cc: Mike Carmona; Devin Dominguez; Clint Merritt; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] EOG - Peregrine 27 Fed Com 315H - Sampling Notification

Good morning Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, October 31, 2023 8:06 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] EOG - Peregrine 27 Fed Com 315H - Sampling Notification

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

Good Morning,

This email is a notification for confirmation sampling for the EOG - Peregrine 27 Fed Com 315H. Sampling is scheduled to begin on Thursday, November 2nd around 9:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

nAPP2318749749

Please call if you have any questions.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com

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 569209

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 569209
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2318749749
Incident Name	NAPP2318749749 PEREGRINE 27 FED COM CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	PEREGRINE 27 FED COM CTB
Date Release Discovered	06/26/2023
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,120
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/02/2023
Time sampling will commence	09:00 AM
<i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	backdating historical email sampling notification for remediation activities. Email correspondence included in report.
Please provide any information necessary for navigation to sampling site	backdating historical email sampling notification for remediation activities. Email correspondence included in report.

Sante Fe Main Office
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Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 569209

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 569209
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
hstout	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.	3/31/2026
hstout	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	3/31/2026

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 597005

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 597005
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2318749749
Incident Name	NAPP2318749749 PEREGRINE 27 FED COM CTB @ O-27-24S-34E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	PEREGRINE 27 FED COM CTB
Date Release Discovered	06/26/2023
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/23/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	EOG-Hadlie Stout-346-324-7612 Carmona-Conner Moehring-432-813-6823
Please provide any information necessary for navigation to sampling site	32.18490 -103.45560

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

CONDITIONS

Action 597005

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 597005
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
hstout	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.	6/18/2026
hstout	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/18/2026

APPENDIX D

CARMONA RESOURCES



Nearest water well

EOG Resources

Legend

- 0.50 Mile Radius
- 0.89 Miles
- 0.98 Miles
- 1.60 Miles
- NMSEO Water Well
- Peregrine 27 Fed Com 315H
- USGS Water Well



431' - Drilled 2016

Peregrine 27 Fed Com 315H

223.94' - Drilled 2013

222' - Drilled 2016

Google Earth

4000 ft



Low Karst

EOG Resources

Legend

- Low
- Peregrine 27 Fed Com 315H

Peregrine 27 Fed Com 315H

Google Earth



N



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03942 POD1	CUB	LE		3	1	2	35	24S	34E	647005	3561246	1580	420	222	198
C 03943 POD1	CUB	LE		2	4	2	21	24S	34E	644523	3564266	2542	610	431	179
C 04042 POD1	CUB	LE		2	1	4	36	24S	34E	648539	3561545	2973			
C 03932 POD13	CUB	LE		4	2	3	15	24S	34E	645314	3565203	3254	90		
C 02401	CUB	LE		2	2	1	01	25S	34E	648534	3559896*	3591	275	260	15
C 02373	CUB	LE			4	1	32	24S	34E	641979	3560916*	3763	600		
C 04682	C	LE		4	4	2	25	24S	34E	649349	3562621	3811	290	180	110

Average Depth to Water: **273 feet**

Minimum Depth: **180 feet**

Maximum Depth: **431 feet**

Record Count: 7

UTMNA83 Radius Search (in meters):

Easting (X): 645595

Northing (Y): 3561961

Radius: 4000

*UTM location was derived from PLSS - see Help

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6/29/23 9:49 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

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	? S
				Groundwater	New Mexico	GO	

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321025103263601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321025103263601 24S.34E.35.12411

Lea County, New Mexico

Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83

Land-surface elevation 3,409.00 feet above NGVD29

The depth of the well is 257 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 measur
1953-03-29			D	62610	3185.10	NGVD29	1		Z	
1953-03-29			D	62611	3186.69	NAVD88	1		Z	
1953-03-29			D	72019	223.90		1		Z	
1971-01-13			D	62610	3190.96	NGVD29	1		Z	
1971-01-13			D	62611	3192.55	NAVD88	1		Z	
1971-01-13			D	72019	218.04		1		Z	
1976-01-15			D	62610	3189.94	NGVD29	1		Z	
1976-01-15			D	62611	3191.53	NAVD88	1		Z	
1976-01-15			D	72019	219.06		1		Z	
1981-03-20			D	62610	3191.29	NGVD29	1		Z	
1981-03-20			D	62611	3192.88	NAVD88	1		Z	
1981-03-20			D	72019	217.71		1		Z	
1986-03-06			D	62610	3185.50	NGVD29	1		Z	
1986-03-06			D	62611	3187.09	NAVD88	1		Z	

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
1986-03-06		D	72019	223.50			Z
1991-05-31		D	62610	3189.82	NGVD29	1	Z
1991-05-31		D	62611	3191.41	NAVD88	1	Z
1991-05-31		D	72019	219.18		1	Z
1996-03-14		D	62610	3189.81	NGVD29	1	S
1996-03-14		D	62611	3191.40	NAVD88	1	S
1996-03-14		D	72019	219.19		1	S
2013-01-16 22:00 UTC		m	62610	3185.06	NGVD29	1	S USGS
2013-01-16 22:00 UTC		m	62611	3186.65	NAVD88	1	S USGS
2013-01-16 22:00 UTC		m	72019	223.94		1	S USGS

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-06-29 11:56:09 EDT

0.3 0.25 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03942 POD1	3	1	2	35	24S	34E	647005	3561246

x

Driller License: 1737 **Driller Company:** SHADE TREE DRILLING

Driller Name: MULLINS, JUSTINIEL.NER

Drill Start Date: 05/12/2016 **Drill Finish Date:** 05/17/2016 **Plug Date:**

Log File Date: 08/05/2021 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 5 GPM

Casing Size: 6.00 **Depth Well:** 420 feet **Depth Water:** 222 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	180	308	Sandstone/Gravel/Conglomerate
	366	385	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	240	260
	360	380
	400	420

x

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6/29/23 9:52 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

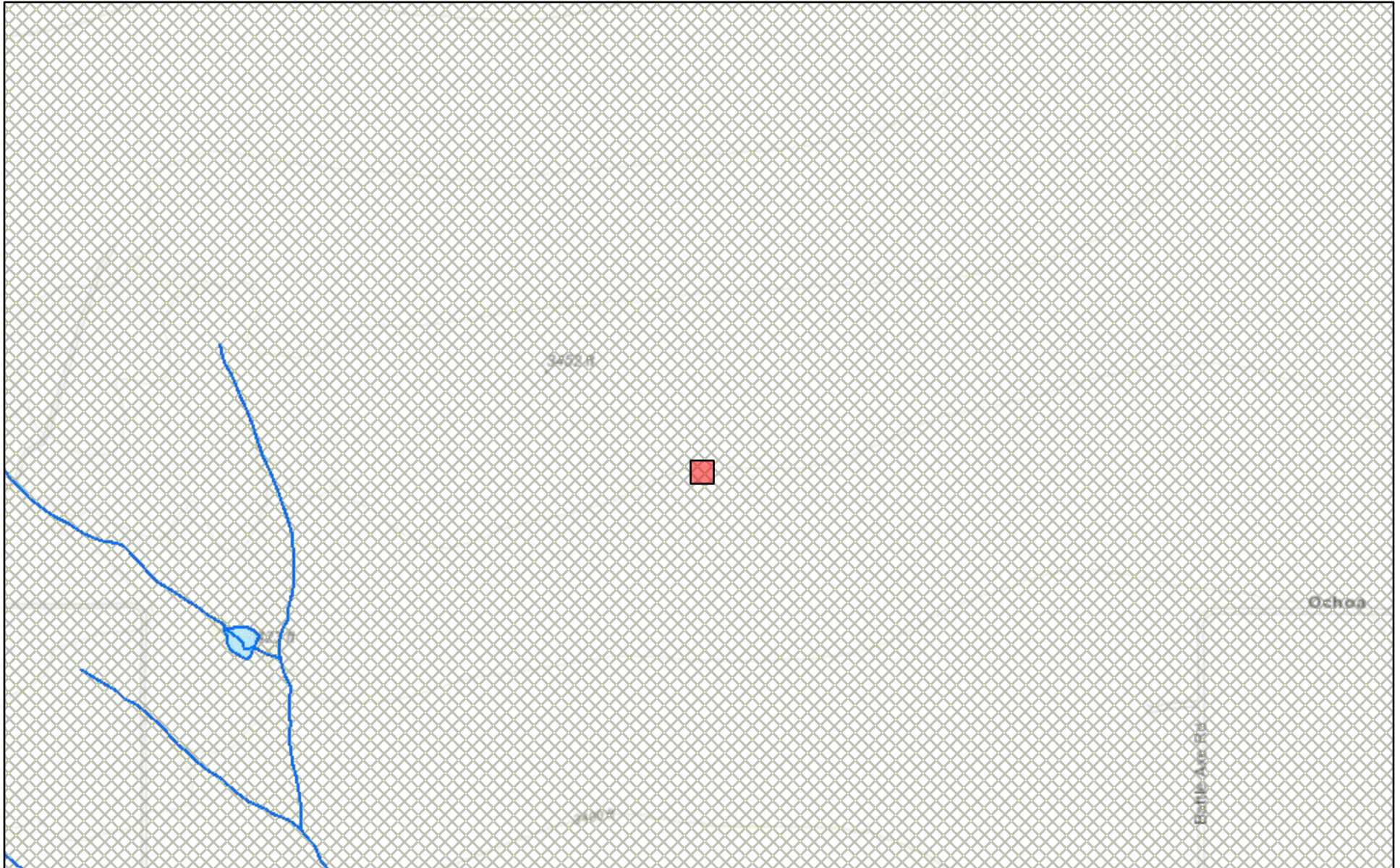
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y			
C	03943 POD1	2	4	2	21	24S	34E	644523	3564266			
Driller License:		1737		Driller Company:			SHADE TREE DRILLING					
Driller Name:		JUSTIN MULLINS										
Drill Start Date:		04/21/2016		Drill Finish Date:			04/24/2016		Plug Date:			
Log File Date:		04/25/2016		PCW Rcv Date:						Source: Shallow		
Pump Type:					Pipe Discharge Size:						Estimated Yield: 5 GPM	
Casing Size:		6.00		Depth Well:			610 feet		Depth Water:		431 feet	
Water Bearing Stratifications:				Top	Bottom	Description						
				39	431	Sandstone/Gravel/Conglomerate						
Casing Perforations:				Top	Bottom							
				420	480							

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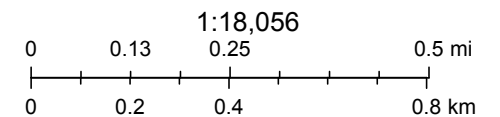
6/29/23 9:54 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



June 29, 2023



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

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APPENDIX E

CARMONA RESOURCES





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

June 29, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: PEREGRINE 27 FED COM 315H

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 8:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (0-0.5') (H233331-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	0.071	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	0.285	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTX	0.356	0.300	06/28/2023	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	3240	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	18.0	10.0	06/28/2023	ND	190	95.0	200	3.24		
DRO >C10-C28*	864	10.0	06/28/2023	ND	200	100	200	3.18		
EXT DRO >C28-C36	181	10.0	06/28/2023	ND						

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 159 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (0-0.5') (H233331-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	0.068	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	0.146	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	0.680	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEX	0.894	0.300	06/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.1	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	684	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	162	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (0-1') (H233331-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTX	<0.300	0.300	06/28/2023	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	496	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	104	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	29.7	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (1.5') (H233331-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	0.131	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	0.198	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	1.14	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEX	1.47	0.300	06/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	1880	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.1	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	865	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	156	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (0-1') (H233331-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36		
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83		
Total BTEx	<0.300	0.300	06/28/2023	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	880	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	199	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	47.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (1.5') (H233331-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	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	528	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	261	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	52.9	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (0-1') (H233331-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36		
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80		
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346		
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83		
Total BTEX	<0.300	0.300	06/28/2023	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	704	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	206	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	47.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (1.5') (H233331-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTX	<0.300	0.300	06/28/2023	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	288	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	171	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	31.8	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (0-1') (H233331-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTX	<0.300	0.300	06/28/2023	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	256	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	141	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	28.6	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (1.5') (H233331-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	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	288	16.0	06/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	156	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	35.2	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (2') (H233331-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	0.210	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	168	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	26.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

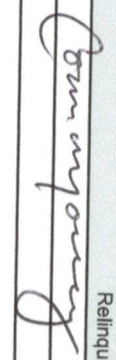
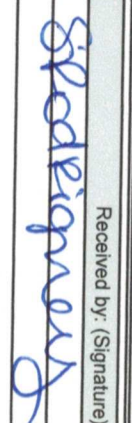
Work Order No: HA333331

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Page <u>1</u> of <u>2</u>	
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level: I ☐ Level II ☐ Level III ☐ ST/UST ☐ PRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Peregrine 27 Fed Com 315H	Turn Around	☐ Routine ☒ Rush	Due Date:	24 Hours	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	2072							None: NO	DI Water: H ₂ O													
Project Location:	Lea County, New Mexico							Cool: Cool	MeOH: Me													
Sampler's Name:	GP/JM/JR							HCL: HC	HNO ₃ : HN													
PO #:								H ₂ SO ₄ : H ₂	NaOH: Na													
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Wet Ice:	Yes ☒ No ☐		H ₃ PO ₄ : HP														
Received Intact:	Yes ☒ 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:								NaOH+Ascorbic Acid: SAPC														
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
S-1 (0-0.5')	6/27/2023		X		G	1	X	X	X													
S-2 (0-0.5')	6/27/2023		X		G	1	X	X	X													
S-3 (0-1')	6/27/2023		X		G	1	X	X	X													
S-3 (1.5')	6/27/2023		X		G	1	X	X	X													
S-4 (0-1')	6/27/2023		X		G	1	X	X	X													
S-4 (1.5')	6/27/2023		X		G	1	X	X	X													
S-5 (0-1')	6/27/2023		X		G	1	X	X	X													
S-5 (1.5')	6/27/2023		X		G	1	X	X	X													
S-6 (0-1')	6/27/2023		X		G	1	X	X	X													
S-6 (1.5')	6/27/2023		X		G	1	X	X	X													

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
		6/28/23			

Work Order No: H233331

Released to Imaging: 8/5/2026 11:53:02 AM



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June 29, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: PEREGRINE 27 FED COM 315H

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 8:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-0.5') (H233330-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTX	<0.300	0.300	06/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	QM-07, QR-03
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-0.5') (H233330-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-0.5') (H233330-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	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	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 06/28/2023
 Reported: 06/29/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 06/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-0.5') (H233330-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2023	ND	2.26	113	2.00	1.36	
Toluene*	<0.050	0.050	06/28/2023	ND	2.24	112	2.00	1.80	
Ethylbenzene*	<0.050	0.050	06/28/2023	ND	2.13	106	2.00	0.346	
Total Xylenes*	<0.150	0.150	06/28/2023	ND	6.59	110	6.00	1.83	
Total BTEx	<0.300	0.300	06/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	190	95.0	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	200	100	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: 110333330

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around	☐ Routine ☒ Rush	Due Date:	24 Hours	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	2072																None: NO	DI Water: H ₂ O			
Project Location:	Lea County, New Mexico																Cool: Cool	MeOH: Me			
Sampler's Name:	GP/JM/JR																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				
Coder 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		
H-1 (0-0.5')	6/27/2023		X		G	1	X	X	X												
H-2 (0-0.5')	6/27/2023		X		G	1	X	X	X												
H-3 (0-0.5')	6/27/2023		X		G	1	X	X	X												
H-4 (0-0.5')	6/27/2023		X		G	1	X	X	X												

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	6/28/23 0853	<i>Skatiguel</i>	



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November 03, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: PEREGRINE 27 FED COM 315H

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 15:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a light blue horizontal line.

Mike Snyder For 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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (2.0') (H236034-01)

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	11/03/2023	ND	1.93	96.7	2.00	5.97	
Toluene*	<0.050	0.050	11/03/2023	ND	1.78	88.8	2.00	11.3	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.83	91.5	2.00	12.6	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.40	90.0	6.00	14.2	
Total BTX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	198	99.0	200	2.99	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	0.921	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (1.5') (H236034-02)

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	11/03/2023	ND	1.93	96.7	2.00	5.97		
Toluene*	<0.050	0.050	11/03/2023	ND	1.78	88.8	2.00	11.3		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.83	91.5	2.00	12.6		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.40	90.0	6.00	14.2		
Total BTEx	<0.300	0.300	11/03/2023	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	48.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	198	99.0	200	2.99	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	0.921	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (1.5') (H236034-03)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTEX	<0.300	0.300	11/02/2023	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	48.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	198	99.0	200	2.99	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	0.921	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (1.5') (H236034-04)

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	11/02/2023	ND	1.94	96.9	2.00	1.15		
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97		
Total BTEX	<0.300	0.300	11/02/2023	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	48.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	198	99.0	200	2.99	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	0.921	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (1.5') (H236034-05)

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	11/02/2023	ND	1.94	96.9	2.00	1.15		
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97		
Total BTEx	<0.300	0.300	11/02/2023	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	11/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (1.5') (H236034-06)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTEx	<0.300	0.300	11/02/2023	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	11/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (2.0') (H236034-07)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTEx	<0.300	0.300	11/02/2023	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	144	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (2.0') (H236034-08)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTX	<0.300	0.300	11/02/2023	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	144	16.0	11/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (3.0') (H236034-09)

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	11/02/2023	ND	1.94	96.9	2.00	1.15		
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97		
Total BTEx	<0.300	0.300	11/02/2023	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	64.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (2.0') (H236034-10)

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	11/02/2023	ND	1.94	96.9	2.00	1.15		
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97		
Total BTEX	<0.300	0.300	11/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 11 (2.0') (H236034-11)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTEX	<0.300	0.300	11/02/2023	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	48.0	16.0	11/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 49.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (2.0') (H236034-12)

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	11/02/2023	ND	1.94	96.9	2.00	1.15	
Toluene*	<0.050	0.050	11/02/2023	ND	2.07	103	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.08	104	2.00	1.98	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	6.31	105	6.00	1.97	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	96.0	16.0	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For 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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 13 (1.5') (H236034-13)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 14 (1.5') (H236034-14)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 15 (1.5') (H236034-15)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 16 (1.5') (H236034-16)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEx	<0.300	0.300	11/02/2023	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	64.0	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (2.0') (H236034-17)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	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	848	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (2.0') (H236034-18)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEx	<0.300	0.300	11/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	102	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	18.8	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (2.0') (H236034-19)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	2720	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	15.2	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (1.5') (H236034-20)

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	11/02/2023	ND	2.14	107	2.00	1.41	
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73	
Total BTEx	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (1.5') (H236034-21)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	320	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (1.5') (H236034-22)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEx	<0.300	0.300	11/02/2023	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	48.0	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (1.5') (H236034-23)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEx	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (1.5') (H236034-24)

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	11/02/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	210	105	200	8.19	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	208	104	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (1.5') (H236034-25)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	112	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (2.0') (H236034-26)

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	11/03/2023	ND	2.14	107	2.00	1.41	
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23	
Ethylbenzene*	0.051	0.050	11/03/2023	ND	2.03	102	2.00	7.83	
Total Xylenes*	0.294	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73	
Total BTEX	0.364	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2720	16.0	11/03/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						S-04

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (2.0') (H236034-27)

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	11/03/2023	ND	2.14	107	2.00	1.41	
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23	
Ethylbenzene*	0.088	0.050	11/03/2023	ND	2.03	102	2.00	7.83	
Total Xylenes*	0.531	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73	
Total BTEX	0.650	0.300	11/03/2023	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	3080	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.7	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	1140	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	254	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 167 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (2.0') (H236034-28)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	192	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	25.2	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (2.0') (H236034-29)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	427	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	155	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Mike Snyder For 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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 14 (3.0') (H236034-30)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	80.0	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	13.5	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 (3.0') (H236034-31)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 16 (3.0') (H236034-32)

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	11/03/2023	ND	2.14	107	2.00	1.41		
Toluene*	<0.050	0.050	11/03/2023	ND	2.02	101	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.03	102	2.00	7.83		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.90	98.4	6.00	8.73		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 17 (3.0') (H236034-33)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	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	48.0	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 (2.0') (H236034-34)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEx	<0.300	0.300	11/03/2023	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	1650	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 19 (2.0') (H236034-35)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	976	16.0	11/03/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	1180	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	302	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 171 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 20 (2.0') (H236034-36)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	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	1070	16.0	11/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	30.9	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	14.4	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 21 (2.0') (H236034-37)

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	13.5	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 22 (2.0') (H236034-38)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	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	48.0	16.0	11/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 49.1-148

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Mike Snyder For 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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 23 (2.0') (H236034-39)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEx	<0.300	0.300	11/03/2023	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	11/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 24 (1.5') (H236034-40)

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEx	<0.300	0.300	11/03/2023	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	80.0	16.0	11/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 25 (1.5') (H236034-41)

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEx	<0.300	0.300	11/03/2023	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	64.0	16.0	11/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 26 (1.5') (H236034-42)

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEx	<0.300	0.300	11/03/2023	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	112	16.0	11/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 27 (1.5') (H236034-43)

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 28 (1.5') (H236034-44)

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	187	93.3	200	0.851	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	196	98.0	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 "Mike Snyder".

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

Chain of Custody

Work Order No:

1836034

Page 1 of 5

Page 47 of 51

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	2072																	None: NO	DI Water: H ₂ O	
Project Location:	Lea County, New Mexico	Due Date:	24 Hours															Cool: Cool	MeOH: Me	
Sampler's Name:	MM																	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:	Yes	No														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-1 (2.0')	11/2/2023		X		C	1	X	X	X											
CS-2 (1.5')	11/2/2023		X		C	1	X	X	X											
CS-3 (1.5')	11/2/2023		X		C	1	X	X	X											
CS-4 (1.5')	11/2/2023		X		C	1	X	X	X											
CS-5 (1.5')	11/2/2023		X		C	1	X	X	X											
CS-6 (1.5')	11/2/2023		X		C	1	X	X	X											
CS-7 (2.0')	11/2/2023		X		C	1	X	X	X											
CS-8 (2.0')	11/2/2023		X		C	1	X	X	X											
CS-9 (3.0')	11/2/2023		X		C	1	X	X	X											
CS-10 (2.0')	11/2/2023		X		C	1	X	X	X											

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Shawn H</i>	11/2/23 1534	<i>Shodiq</i>	

Chain of Custody

Work Order No: 112310034

Page 2 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	2072	☐ Routine	☒ Rush		Due Date:	24 Hours	None: NO	DI Water: H ₂ O														
Project Location:	Lea County, New Mexico																					
Sampler's Name:	MM																					
PO #:		Temp Blank:		Yes	No	Wet Ice:	Yes	No													Cool: Cool	MeOH: Me
SAMPLE RECEIPT	Received Intact:	Yes	No	Thermometer ID:													HCL: HC	HNO ₃ : HN				
	Cooler Custody Seals:	Yes	No	Correction Factor:													H ₂ SO ₄ : H ₂	NaOH: Na				
	Sample Custody Seals:	Yes	No	Temperature Reading:													H ₃ PO ₄ : HP					
	Total Containers:	Corrected Temperature:														NaHSO ₄ : NABIS						
																Na ₂ S ₂ O ₃ : NaSO ₃						
																Zn Acetate+NaOH: Zn						
																NaOH+Ascorbic Acid: SAPC						

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPI												Sample Comments
CS-11 (2.0')	11/2/2023		X		C	1	X	X	X										
CS-12 (2.0')	11/2/2023		X		C	1	X	X	X										
CS-13 (1.5')	11/2/2023		X		C	1	X	X	X										
CS-14 (1.5')	11/2/2023		X		C	1	X	X	X										
CS-15 (1.5')	11/2/2023		X		C	1	X	X	X										
CS-16 (1.5')	11/2/2023		X		C	1	X	X	X										
SW-1 (2.0')	11/2/2023		X		C	1	X	X	X										
SW-2 (2.0')	11/2/2023		X		C	1	X	X	X										
SW-3 (2.0')	11/2/2023		X		C	1	X	X	X										
SW-4 (1.5')	11/2/2023		X		C	1	X	X	X										

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Handwritten Signature</i>	11/2/23 1534	<i>Handwritten Signature</i>	

Chain of Custody

Work Order No: 10310034

Page 3 of 5

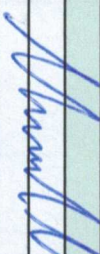
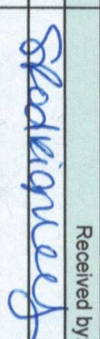
Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around	☐ Routine ☒ Rush	Due Date:	24 Hours	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	2072																None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico																Cool: Cool	MeOH: Me
Sampler's Name:	MM																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 In tact:	Yes ☒	Thermometer ID:	140											NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:	1.9											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	ANALYSIS REQUEST										Sample Comments
SW-5 (1.5')	11/2/2023		X		C	1	X	X	X								
SW-6 (1.5')	11/2/2023		X		C	1	X	X	X								
SW-7 (1.5')	11/2/2023		X		C	1	X	X	X								
SW-8 (1.5')	11/2/2023		X		C	1	X	X	X								
SW-9 (1.5')	11/2/2023		X		C	1	X	X	X								
SW-10 (2.0')	11/2/2023		X		C	1	X	X	X								
SW-11 (2.0')	11/2/2023		X		C	1	X	X	X								
SW-12 (2.0')	11/2/2023		X		C	1	X	X	X								
SW-13 (2.0')	11/2/2023		X		C	1	X	X	X								
SW-14 (3.0')	11/2/2023		X		C	1	X	X	X								

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/23/2024		

Chain of Custody

Work Order No: 11234034

Page 4 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2072	☐ Routine	☒ Rush		Due Date:													None: NO	DI Water: H ₂ O
Project Location:	Lea County, New Mexico													Cool: Cool	MeOH: Me				
Sampler's Name:	MM													HCL: HC	HNO ₃ : HN				
PO #:		Wet Ice:		☒ Yes ☐ No													H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:													H ₃ PO ₄ : HP		
Received Intact:	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: SAPC					

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH												Sample Comments
SW-15 (3.0')	11/2/2023		X		C	1	X	X	X	X									
SW-16 (3.0')	11/2/2023		X		C	1	X	X	X	X									
SW-17 (3.0')	11/2/2023		X		C	1	X	X	X	X									
SW-18 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-19 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-20 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-21 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-22 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-23 (2.0')	11/2/2023		X		C	1	X	X	X	X									
SW-24 (1.5')	11/2/2023		X		C	1	X	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

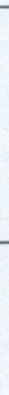
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11-2-23 1534	Stedrick	

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

Project Name:	Peregrine 27 Fed Com 315H	Turn Around			
Project Number:	2072	☐ Routine	☒ Rush		
Project Location	Lea County, New Mexico	Due Date:	24 Hours		
Sampler's Name:	MM				
PO #:					
SAMPLE RECEIPT	Temp Blank:	Yes / No	Wet Ice:	(Yes) No	
	Received Intact:	Yes	No	Thermometer ID:	148
	Cooler Custody Seals:	Yes / No	N/A	Correction Factor:	-
	Sample Custody Seals:	Yes / No	N/A	Temperature Reading:	1.9 =
	Total Containers:		Corrected Temperature:	-	
Parameters				Pres. Code	
BTEX 8021B					
H 8015M (GRO + DRO + MRO)					
Chloride 4500					
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: SAPC					

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11.22.23 1534		



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

November 07, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: PEREGRINE 27 FED COM 315H

Enclosed are the results of analyses for samples received by the laboratory on 11/06/23 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (2.0') (H236070-01)

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	11/06/2023	ND	1.98	98.8	2.00	2.55	
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45	
Total BTX	<0.300	0.300	11/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	11/07/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	99.7	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	17.1	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (2.0') (H236070-02)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEX	<0.300	0.300	11/06/2023	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	800	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (2.0') (H236070-03)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEx	<0.300	0.300	11/06/2023	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	96.0	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	111	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (2.0') (H236070-04)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEX	<0.300	0.300	11/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (2.0') (H236070-05)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEx	<0.300	0.300	11/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	250	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	31.8	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (2.0') (H236070-06)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEx	<0.300	0.300	11/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	96.0	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 (2.0') (H236070-07)

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	11/06/2023	ND	1.98	98.8	2.00	2.55	
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67	
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45	
Total BTEx	<0.300	0.300	11/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1620	16.0	11/07/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 19 (2.0') (H236070-08)

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	11/06/2023	ND	1.98	98.8	2.00	2.55		
Toluene*	<0.050	0.050	11/06/2023	ND	2.05	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	11/06/2023	ND	2.08	104	2.00	2.67		
Total Xylenes*	<0.150	0.150	11/06/2023	ND	6.27	104	6.00	2.45		
Total BTEx	<0.300	0.300	11/06/2023	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	48.0	16.0	11/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	<10.0	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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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 415
 MIDLAND TX, 79701
 Fax To:

Received: 11/06/2023
 Reported: 11/07/2023
 Project Name: PEREGRINE 27 FED COM 315H
 Project Number: 2072
 Project Location: EOG - LEA COUNTY, NEW MEXICO

Sampling Date: 11/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 20 (2.0') (H236070-09)

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	11/07/2023	ND	1.98	98.8	2.00	2.55	
Toluene*	<0.050	0.050	11/07/2023	ND	2.05	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	11/07/2023	ND	2.08	104	2.00	2.67	
Total Xylenes*	<0.150	0.150	11/07/2023	ND	6.27	104	6.00	2.45	
Total BTEx	<0.300	0.300	11/07/2023	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	240	16.0	11/07/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2023	ND	200	99.9	200	0.594	
DRO >C10-C28*	23.7	10.0	11/07/2023	ND	188	94.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	11/07/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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 "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Work Order No.:

Page 1 of 1Page 12 of 12

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

June 29, 2026

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: PEREGRINE 27 FED COM 315H

Enclosed are the results of analyses for samples received by the laboratory on 06/23/26 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H-5 (0-0.5')	H263578-01	Soil	23-Jun-26 11:30	23-Jun-26 14:35
H-6 (0-0.5')	H263578-02	Soil	23-Jun-26 11:35	23-Jun-26 14:35

CASE NARRATIVE:

No labels with lot numbers on sample containers for traceability.

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Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

H-5 (0-0.5')
H263578-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	6062332	HM	25-Jun-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062407	JH	24-Jun-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 61.5-142 6062407 JH 24-Jun-26 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	

Surrogate: 1-Chlorooctane 75.3 % 47.1-117 6062416 JF 24-Jun-26 8015B

Surrogate: 1-Chlorooctadecane 76.5 % 37.2-119 6062416 JF 24-Jun-26 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

H-6 (0-0.5')
H263578-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	6062332	HM	25-Jun-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062407	JH	24-Jun-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062407	JH	24-Jun-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.7 %		61.5-142	6062407	JH	24-Jun-26	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6062416	JF	24-Jun-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.1 %		47.1-117	6062416	JF	24-Jun-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.9 %		37.2-119	6062416	JF	24-Jun-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 6062332 - 1:4 DI Water									
Blank (6062332-BLK1)									
					Prepared: 23-Jun-26 Analyzed: 24-Jun-26				
Chloride	ND	16.0	mg/kg						
LCS (6062332-BS1)									
					Prepared: 23-Jun-26 Analyzed: 24-Jun-26				
Chloride	448	16.0	mg/kg	400		112 80-120			
LCS Dup (6062332-BSD1)									
					Prepared: 23-Jun-26 Analyzed: 24-Jun-26				
Chloride	432	16.0	mg/kg	400		108 80-120	3.64	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6062407 - Volatiles**Blank (6062407-BLK1)**

Prepared & Analyzed: 24-Jun-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0948		mg/kg	0.100		94.8	61.5-142			

LCS (6062407-BS1)

Prepared & Analyzed: 24-Jun-26

Benzene	2.14	0.050	mg/kg	2.00		107	97.3-117			
Toluene	1.97	0.050	mg/kg	2.00		98.3	88.2-117			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.1	79.5-124			
m,p-Xylene	3.74	0.100	mg/kg	4.00		93.6	80-122			
o-Xylene	1.86	0.050	mg/kg	2.00		93.2	72-131			
Total Xylenes	5.61	0.150	mg/kg	6.00		93.4	77.7-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0935		mg/kg	0.100		93.5	61.5-142			

LCS Dup (6062407-BSD1)

Prepared & Analyzed: 24-Jun-26

Benzene	2.18	0.050	mg/kg	2.00		109	97.3-117	2.15	7.24	
Toluene	1.98	0.050	mg/kg	2.00		98.9	88.2-117	0.598	9.93	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	79.5-124	0.897	12.1	
m,p-Xylene	3.77	0.100	mg/kg	4.00		94.3	80-122	0.747	12.5	
o-Xylene	1.87	0.050	mg/kg	2.00		93.4	72-131	0.247	13.1	
Total Xylenes	5.64	0.150	mg/kg	6.00		94.0	77.7-124	0.581	12.6	
Surrogate: 4-Bromofluorobenzene (PID)	0.0946		mg/kg	0.100		94.6	61.5-142			

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Analytical Results For:

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

Project: PEREGRINE 27 FED COM 315H
Project Number: 2072
Project Manager: CONNER MOEHRING
Fax To:

Reported:
29-Jun-26 16:50

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6062416 - General Prep - Organics**Blank (6062416-BLK1)**

Prepared & Analyzed: 24-Jun-26

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.5		mg/kg	50.0		80.9	47.1-117			
Surrogate: 1-Chlorooctadecane	40.0		mg/kg	50.0		80.1	37.2-119			

LCS (6062416-BS1)

Prepared & Analyzed: 24-Jun-26

GRO C6-C10	201	10.0	mg/kg	200		100	78.8-120			
DRO >C10-C28	189	10.0	mg/kg	200		94.6	75.1-122			
Total TPH C6-C28	390	10.0	mg/kg	400		97.5	78.8-119			
Surrogate: 1-Chlorooctane	39.5		mg/kg	50.0		79.0	47.1-117			
Surrogate: 1-Chlorooctadecane	39.5		mg/kg	50.0		79.1	37.2-119			

LCS Dup (6062416-BSD1)

Prepared & Analyzed: 24-Jun-26

GRO C6-C10	205	10.0	mg/kg	200		102	78.8-120	1.97	9.59	
DRO >C10-C28	194	10.0	mg/kg	200		97.1	75.1-122	2.69	9.89	
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	78.8-119	2.32	9.22	
Surrogate: 1-Chlorooctane	41.1		mg/kg	50.0		82.1	47.1-117			
Surrogate: 1-Chlorooctadecane	40.9		mg/kg	50.0		81.8	37.2-119			

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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 cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager

Work Order No: HA03578

Work Order Comments	
Program: UST/ST ☐ PRP ☐ brownfields ☐ RC ☐ ☐ Superfund	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

70 labels

Released to Imaging: 8/5/2026 11:53:02 AM

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

QUESTIONS

Action 608680

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2318749749
Incident Name	NAPP2318749749 PEREGRINE 27 FED COM CTB @ O-27-24S-34E
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PEREGRINE 27 FED COM CTB
Date Release Discovered	06/26/2023
Surface Owner	Federal

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	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 10 BBL Recovered: 3 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 20 BBL Recovered: 0 BBL Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 608680

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	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	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 07/28/2026
--	--

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QUESTIONS, Page 3

Action 608680

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (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)	3720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1482
GRO+DRO (EPA SW-846 Method 8015M)	1180
BTEX (EPA SW-846 Method 8021B or 8260B)	0.7
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	10/27/2023
On what date will (or did) the final sampling or liner inspection occur	11/06/2023
On what date will (or was) the remediation complete(d)	11/07/2023
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	2120
What is the estimated volume (in cubic yards) that will be remediated	260
<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 608680

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	fJEG1635837366 OWL LANDFILL JAL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 07/28/2026
<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 608680

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	All the horizontal separators and electrical racks would have to be disassembled and removed off location so equipment can access the rest of the area of concern.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2500
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	350
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2127757810 PEREGRINE 27 FED COM CTB
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 07/28/2026

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QUESTIONS, Page 6

Action 608680

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	597005
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/23/2026
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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

CONDITIONS

Action 608680

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 608680
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place. Although the area being deferred has not met the vertical delineation required within 19.15.29 NMAC (highly resistant lithology and safety issue) OCD determination was based on the data presented that groundwater and human health are highly unlikely to be adversely affected by the elevated chloride concentration (3,720 mg/Kg) at 2 feet below grade that was left in place (SW-1). EOG must adhere to 19.15.29 NMAC to complete final closure once the site has been decommissioned.	8/5/2026