



SITE INFORMATION

Closure Report
HHNM Pipeline ROW (8.25.2023)
Incident #: nAPP2325255948
Eddy County, New Mexico
Unit H Sec 09 T26S R27E
32.059987°, -104.188197°

Diesel Release

Point of Release: The removal of a camlock fitting from an above ground storage tank due to suspected fuel theft

Release Date: 08.25.2023

Volume Released: 8.6 Barrels of Diesel

Volume Recovered: 2 Barrels of Diesel

CARMONA RESOURCES



Prepared for:
Chevron U.S.A., Inc.
6301 Deauville Blvd
Midland, Texas 79706

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

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November 13, 2023

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

**Re: Closure Report
HHNM Pipeline ROW (8.25.2023)
Chevron U.S.A., Inc.
Site Location: Unit H, S09, T26S, R27E
(Lat 32.059987°, Long -104.188197°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document site assessment activities for the HHNM Pipeline ROW release. The site is located at 32.059987°, -104.188197° within Unit H, S09, T26S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 25, 2023, caused by the removal of a camlock fitting from an above ground storage tank due to a suspected fuel theft. It resulted in approximately eight point six (8.6) barrels of diesel being released and two (2) barrels of diesel recovered. The impacted area was located on the right-of-way, 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 medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 0.30 miles Southwest of the site in S07, T26S, R27E and was drilled in 2003. The well has a reported depth to groundwater of 17.75' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On September 19, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and six (6)



horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 3.0' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was not achieved in the areas of S-1, S-3, and S-4 due to a dense rock layer. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenching Activities

On October 2, 2023, Carmona Resources, LLC performed site assessment activities to further evaluate soil impacts stemming from the release. A total of three (3) test trenches (T-1 through T-3) were installed to total depths ranging from surface to 7.0' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was not achieved in the area of T-2 due to a dense rock layer. The areas of T-1 and T-3 were delineated below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on October 26, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1/T-1 was excavated to a depth of 3.5' bgs. The areas of S-2 and S-4/T-3 were excavated to a depth of 2.0' bgs. The area of S-3/T-2 was excavated to a depth of 7.5' bgs. A total of seven (7) confirmation floor samples were collected (CS-1 through CS-7), and seventeen (17) sidewall samples (SW-1 through SW-17) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4A and 4B.

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



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 130 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

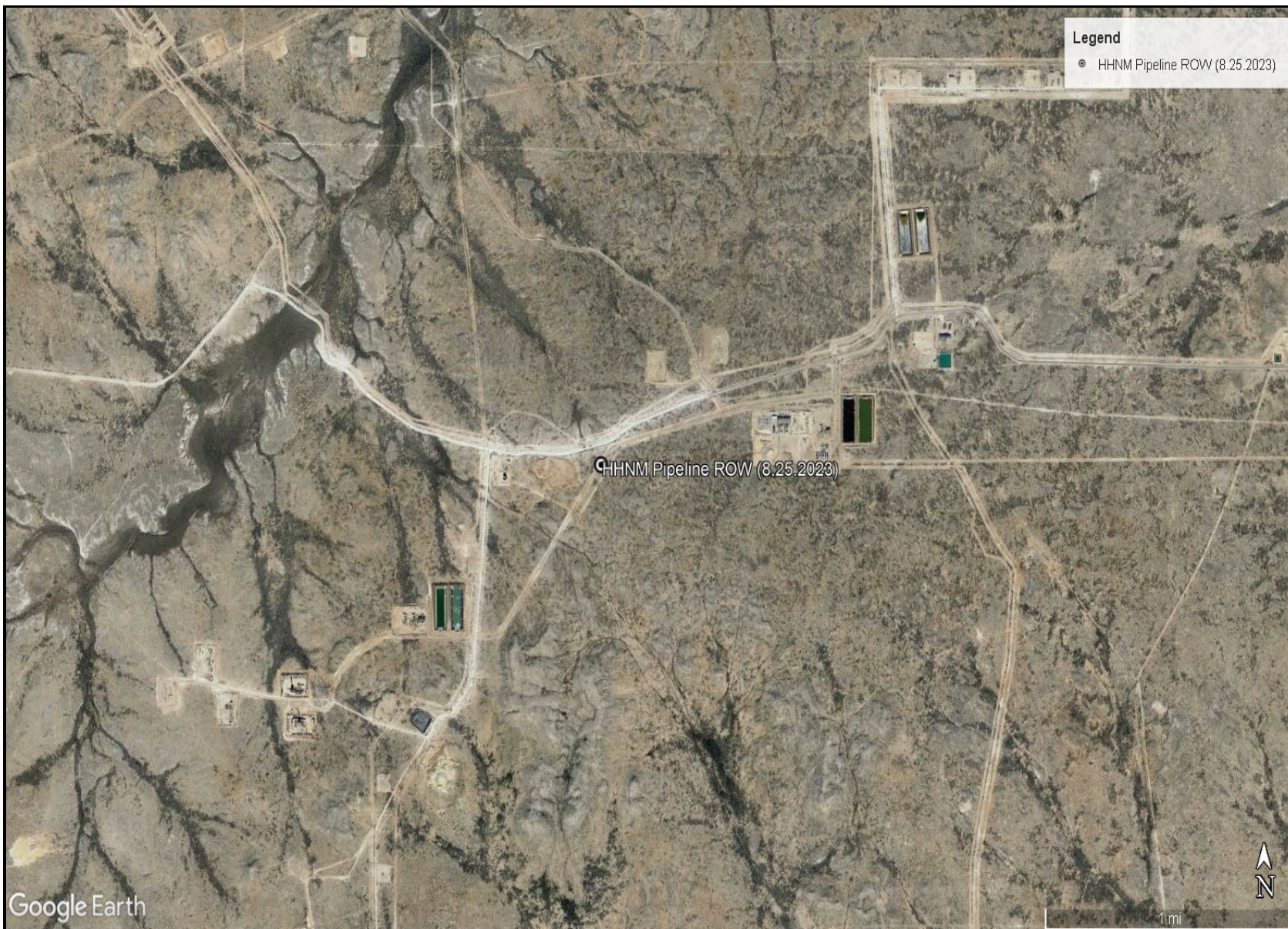
Mike Carmona
Environmental Manager

Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES

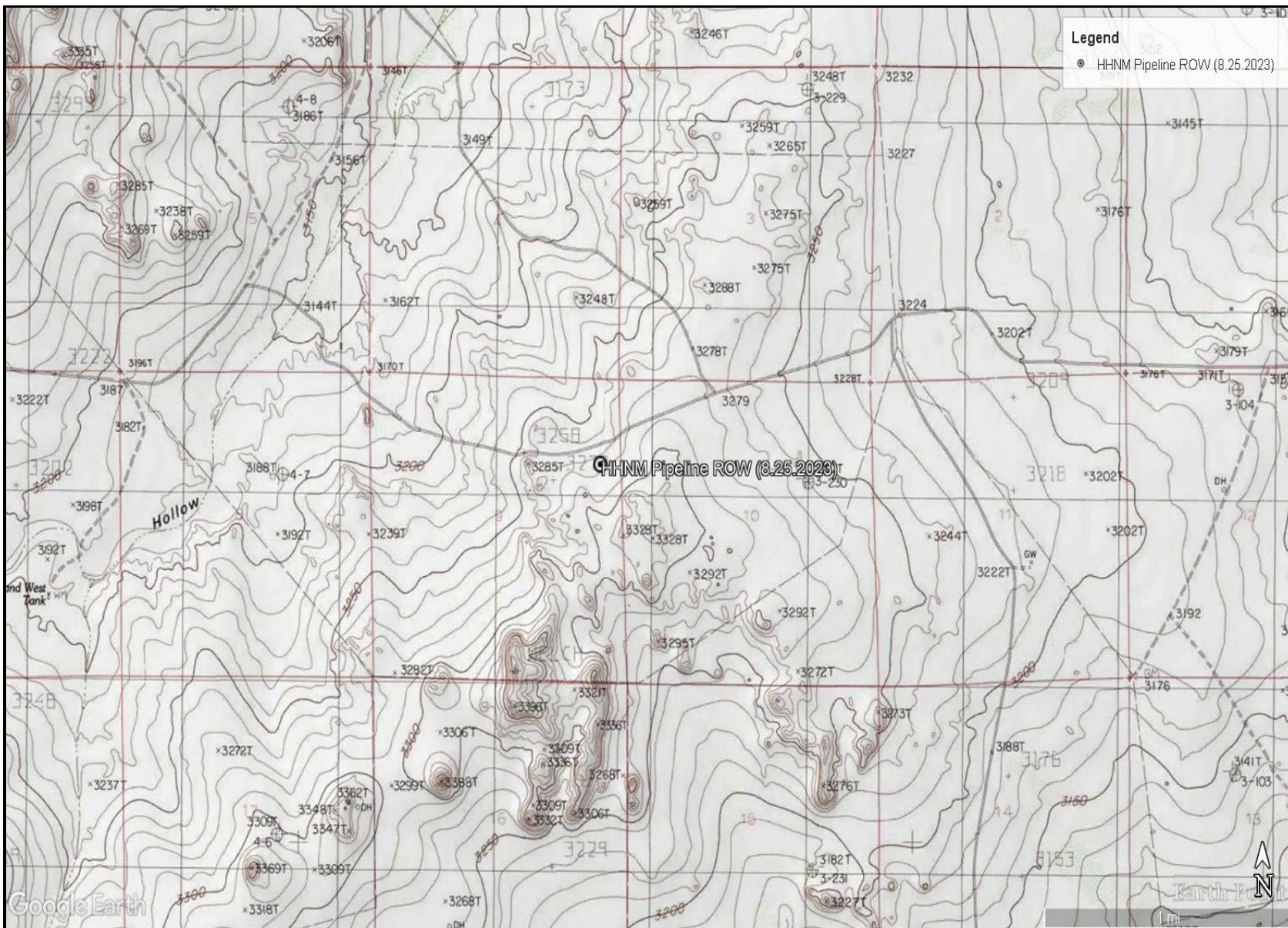




OVERVIEW MAP
CHEVRON U.S.A., INC.
HHNM PIPELINE ROW (8.25.2023)
EDDY COUNTY, NEW MEXICO
32.059987°, 104.188197°



FIGURE 1



TOPOGRAPHIC MAP
 CHEVRON U.S.A., INC.
 HHNM PIPELINE ROW (8.25.2023)
 EDDY COUNTY, NEW MEXICO
 32.059987°, 104.188197°



FIGURE 2



SAMPLE LOCATION MAP
CHEVRON U.S.A., INC.
HHNM PIPELINE ROW (8.25.2023)
EDDY COUNTY, NEW MEXICO
32.059987°, 104.188197°




FIGURE 3



Google Earth

80 ft

<p>EXCAVATION DEPTH MAP CHEVRON U.S.A., INC. HHNM PIPELINE ROW (8.25.2023) EDDY COUNTY, NEW MEXICO 32.059987°, 104.188197°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4A</p>
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<p>EXCAVATION DEPTH MAP CHEVRON U.S.A., INC. HHNM PIPELINE ROW (8.25.2023) EDDY COUNTY, NEW MEXICO 32.059987°, 104.188197°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4B</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Chevron
HHNM Pipeline Row (8.25.23)
Eddy 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						
S-1	9/19/2023	0-1	978	24,700	<50.0	25,678	<0.050	0.082	0.93	4.47	5.48	352
	"	1.5	<10.0	179	<10.0	179	<0.050	<0.050	<0.050	<0.150	<0.300	288
T-1	10/2/2023	0-1	1,080	23,700	<100	24,780	<0.100	0.285	2.05	14.4	16.7	336
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,440
	"	2.0	<10.0	89.4	<10.0	89.4	<0.050	<0.050	<0.050	<0.150	<0.300	880
	"	3.0	184	4,690	<10.0	4,874	<0.050	0.062	0.419	3.48	3.96	336
	"	3.5R	<10.0	13.0	<10.0	13.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
S-2	9/19/2023	0-1	1,710	21,500	<50.0	23,210	<0.100	0.832	5.64	26.8	33.3	32.0
	"	1.5	<10.0	117	<10.0	117	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	2.0	<10.0	67.5	<10.0	67.5	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	"	3.0	<10.0	84.6	<10.0	84.6	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
S-3	9/19/2023	0-1	2,700	26,800	<50.0	29,500	<1.00	1.60	7.74	37.7	47.0	176
	"	1.5	<10.0	447	<10.0	447	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	2.0	16.4	1,160	<10.0	1,176	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-2	10/2/2023	0-1	1,730	40,100	<100	41,830	<0.100	1.71	5.56	29.5	36.8	240
	"	1.5	3,120	27,300	<100	30,420	<0.200	5.66	17.4	81.0	104	224
	"	2.0	1,790	16,500	<100	18,290	<0.200	2.57	8.68	41.2	52.5	144
	"	3.0	2,110	18,300	<100	20,410	<0.200	4.08	12.1	54.4	70.6	80.0
	"	4.0	4,570	41,500	<100	46,070	<2.00	10.8	26.1	114	151	48.0
	"	5.0	110	1,240	<10.0	1,350	<0.050	0.214	0.947	4.67	5.84	48.0
	"	6.0	12.5	274	<10.0	287	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	7.0	<10.0	114	<10.0	114	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
S-4	9/19/2023	0-1	69.0	5,870	<10.0	5,939	<0.050	<0.050	0.11	0.90	1.01	32.0
	"	1.5	<10.0	662	<10.0	662	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
T-3	10/2/2023	0-1	1,750	43,400	<100	45,150	<0.100	0.671	3.76	23.2	27.6	16.0
	"	1.5	<10.0	14.7	<10.0	14.7	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	3.5R	<10.0	30.1	<10.0	30.1	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-1	9/19/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
H-2	9/19/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
H-3	9/19/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-4	9/19/2023	0-0.5	<10.0	13.4	<10.0	13.4	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	9/19/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
H-6	9/19/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (S) Soil Sample
 (H) Horizontal Sample
 (T) Trench Sample
 (R) Refusal with Mini-Excavator
 Removed

Table 2
Chevron
HHNM Pipeline Row (8.25.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-3	11/3/2023	7.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-4	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	11/3/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	11/3/2023	3.5	<10.0	36.4	<10.0	36.4	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-2	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-3	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-4	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-5	11/3/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	11/3/2023	7.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-7	11/3/2023	7.0	<10.0	27.3	<10.0	27.3	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	11/3/2023	7.0	<10.0	10.1	<10.0	10.1	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	11/3/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-10	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-11	11/3/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	11/3/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	11/3/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	11/3/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-15	11/3/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-16	11/3/2023	3.5	<10.0	15.1	<10.0	15.1	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-17	11/3/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

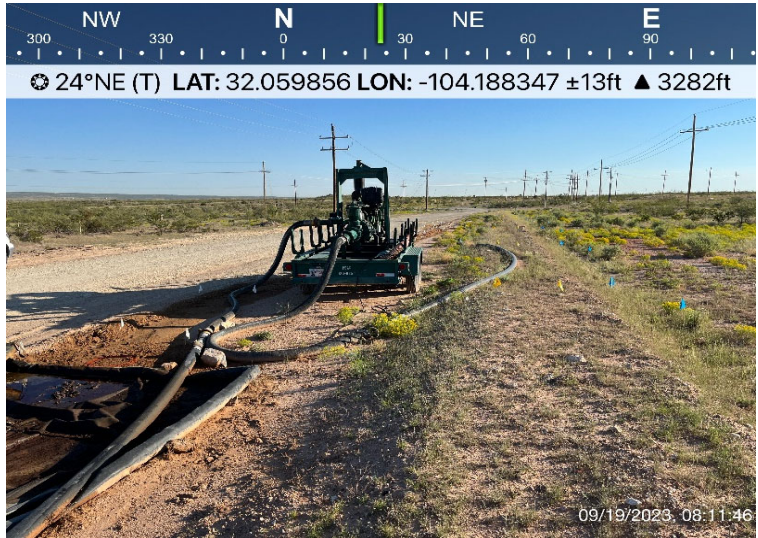
Photograph No. 1

Facility: HHNM Pipeline ROW (8.25.2023)

County: Eddy County, New Mexico

Description:

View North, area of point of release.



Photograph No. 2

Facility: HHNM Pipeline ROW (8.25.2023)

County: Eddy County, New Mexico

Description:

View Northeast, area of point of release.



Photograph No. 3

Facility: HHNM Pipeline ROW (8.25.2023)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-1 through CS-2.



PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: HHNM Pipeline ROW (8.25.2023)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-3 through CS-5.

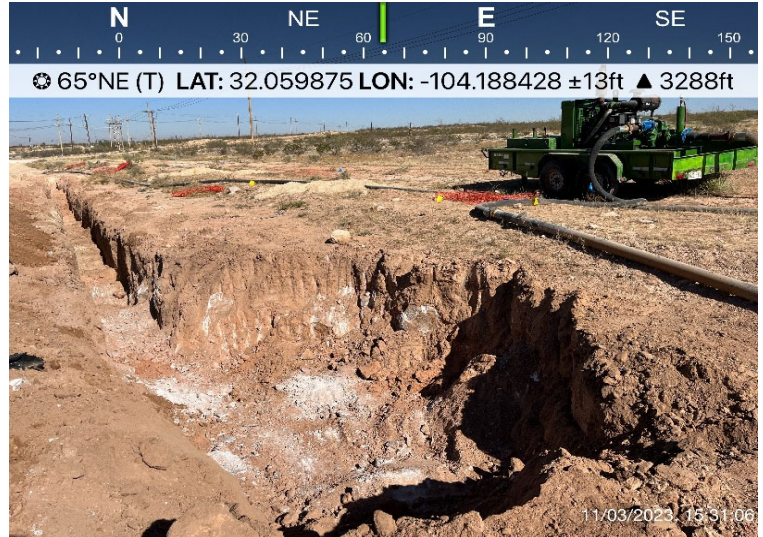


Photograph No. 5

Facility: HHNM Pipeline ROW (8.25.2023)

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-6 and CS-7.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2325255948
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron U.S.A., Inc.	OGRID:
Contact Name: Amy Barnhill	Contact Telephone: (432) 940-8524
Contact email: abarnhill@chevron.com	Incident #
Contact mailing address: 6301 Deauville Blvd Midland, TX 79706	

Location of Release Source

Latitude: 32.059987 Longitude: -104.188197
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: HHNM Pipeline ROW	Site Type: Oil
Date Release Discovered: 8/25/2023	API# (if applicable):

Unit Letter	Section	Township	Range	County
H	09	26S	27E	Eddy

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (Diesel)	Volume/Weight Released (bbls): 8.6	Volume/Weight Recovered (bbls): 2

Cause of Release:

The removal of a camlock fitting from above ground storage tank due to suspected fuel theft incident

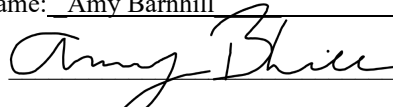
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2325255948
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> 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>Amy Barnhill</u> Title: <u>Environmental Advisor</u> Signature:  Date: <u>9-9-23</u> email: <u>ABarnhill@chevron.com</u> Telephone: <u>432-687-7108</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>9/11/2023</u>

Incident ID	nAPP2325255948
District RP	
Facility ID	
Application ID	

Spill Calculations:

2 bbls was released to containment

Volume is in BBLs.

Area	Shape	Length in feet	Width in feet	Diameter (for circular)	Standing Depth in inches	Depth in Soil in inches	Standing Volume	In Soil Volume	Total Volume
1	Rectangle	36.00	5.00		0.000	12.000	0.00	4.81	4.81
2	Rectangle	65.00	1.00		0.000	3.000		0.43	
3	Rectangle	67.00	2.00		0.000	6.000	0.00	1.79	1.79
4									
5									
6									
7									
8									
9									
10									
							Total Volume BBLs	6.60	

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

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

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

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

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

CONDITIONS

Action 263498

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 263498
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/11/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Amy Bice* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/29/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____
 Signature: *Amy Bille* Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/29/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Ashton Thielke

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, October 26, 2023 5:28 PM
To: Ashton Thielke
Cc: Barnhill, Amy; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] NAPP2325255948 - HHNM Pipeline ROW (08.25.2023) - Confirmation Sampling Notification

Good afternoon Ashton,

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

Thank you,

Shelly

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

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Thursday, October 26, 2023 4:23 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Barnhill, Amy <ABarnhill@chevron.com>
Subject: [EXTERNAL] NAPP2325255948 - HHNM Pipeline ROW (08.25.2023) - Confirmation Sampling Notification

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

Good afternoon,

This email serves as notification for confirmation sampling on the HHNM Pipeline ROW release. Confirmation sampling is scheduled to begin as early as 14:00 (MST) Tuesday, October 31st, weather and soil conditions permitting. Carmona Resources will be onsite to collect the confirmation samples.

Coordinates: 32.059987, -104.188197

Thank you,

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500

Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com

CARMONA RESOURCES



APPENDIX D



CARMONA RESOURCES

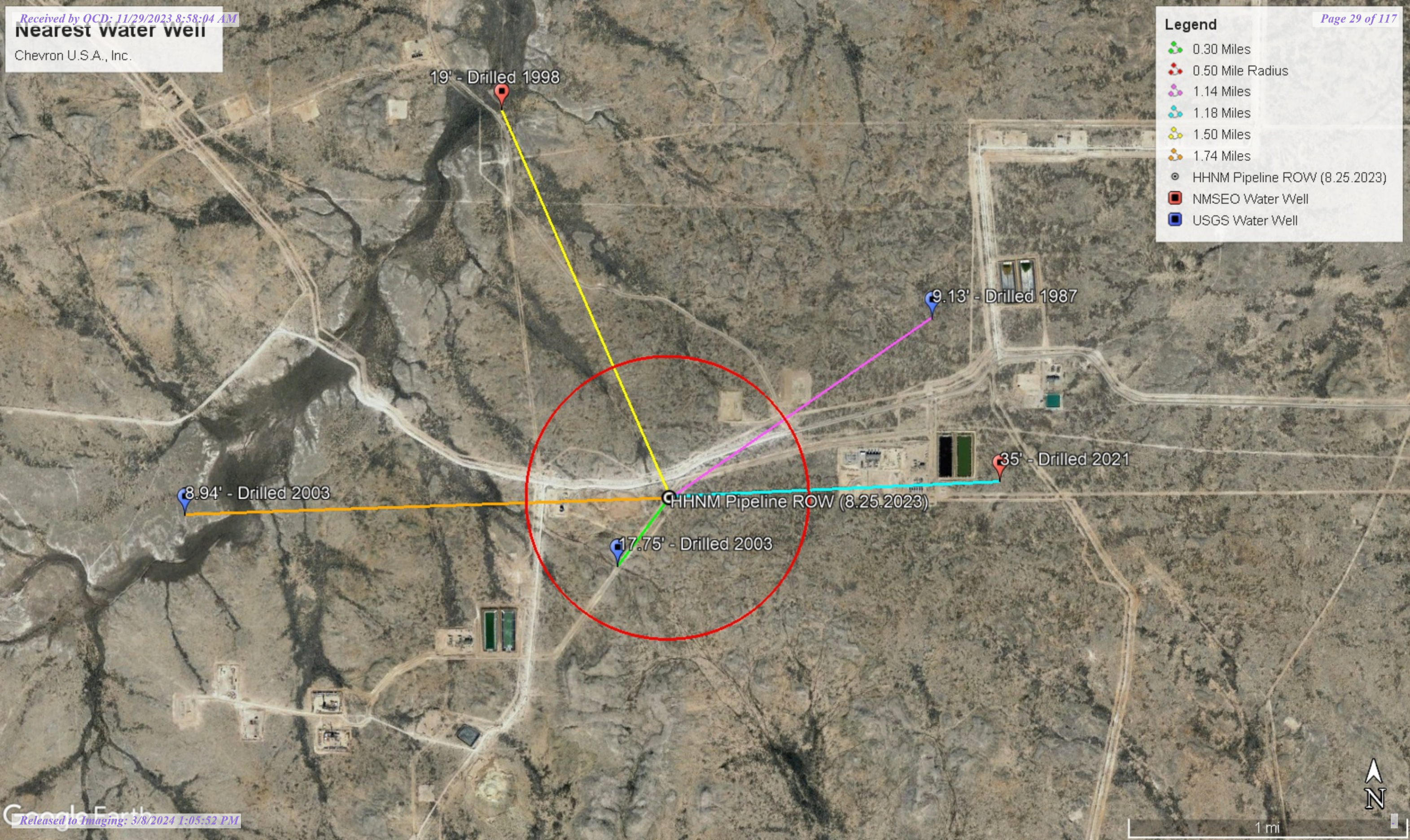


Nearest water well

Chevron U.S.A., Inc.

Legend

-  0.30 Miles
-  0.50 Mile Radius
-  1.14 Miles
-  1.18 Miles
-  1.50 Miles
-  1.74 Miles
-  HHNM Pipeline ROW (8.25.2023)
-  NMSEO Water Well
-  USGS Water Well



1 mi

Medium Karst

Chevron U.S.A., Inc.

Legend

- HHNM Pipeline ROW (8.25.2023)
- High
- Medium



HHNM Pipeline ROW (8.25.2023)



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 02219	CUB	ED	4	4	4	05	26S	27E	575033	3547948*		1697	35		
C 04573 POD1	CUB	ED	3	1	1	11	26S	27E	578524	3547472		1897	104	35	69
C 04573 POD2	CUB	ED	3	1	1	11	26S	27E	578565	3547561		1943	104	35	69
C 04573 POD3	CUB	ED	4	1	1	11	26S	27E	578584	3547602		1966	100	36	64
C 02588	C	ED	3	4	3	33	25S	27E	575645	3549575*		2412	81	19	62
C 02474	CUB	ED		4	3	02	26S	27E	578964	3548029*		2424	100		
C 04079 POD1	CUB	ED	1	2	3	33	25S	27E	575658	3550092		2887	226	20	206
C 04078 POD1	CUB	ED	3	4	1	33	25S	27E	575667	3550363		3141	157	20	137
C 02218	CUB	ED	4	1	4	07	26S	27E	573039	3546725*		3648	35		

Average Depth to Water: **27 feet**
 Minimum Depth: **19 feet**
 Maximum Depth: **36 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 576630

Northing (Y): 3547373


Radius: 4000

*UTM location was derived from PLSS - see Help

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

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

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- [Full News](#) 

Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320323104112901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320323104112901 26S.27E.07.414444

Eddy County, New Mexico
 Latitude 32°03'23", Longitude 104°11'29" NAD27
 Land-surface elevation 3,268 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1978-01-25			D 62610		3257.04	NGVD29	1	Z		
1978-01-25			D 62611		3258.69	NAVD88	1	Z		
1978-01-25			D 72019	9.31			1	Z		
1983-01-25			D 62610		3258.77	NGVD29	P	Z		
1983-01-25			D 62611		3260.42	NAVD88	P	Z		
1983-01-25			D 72019	7.58			P	Z		
1987-10-08			D 62610		3258.70	NGVD29	1	Z		
1987-10-08			D 62611		3260.35	NAVD88	1	Z		
1987-10-08			D 72019	7.65			1	Z		
1988-04-07			D 62610		3259.93	NGVD29	1	Z		
1988-04-07			D 62611		3261.58	NAVD88	1	Z		
1988-04-07			D 72019	6.42			1	Z		
1992-11-18			D 62610		3257.57	NGVD29	1	S		
1992-11-18			D 62611		3259.22	NAVD88	1	S		
1992-11-18			D 72019	8.78			1	S		

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	
1998-01-13	D	62610	3252.60	NGVD29	1	S	
1998-01-13	D	62611	3254.25	NAVD88	1	S	
1998-01-13	D	72019	13.75		1	S	
2003-01-28	D	62610	3248.60	NGVD29	1	S	USGS
2003-01-28	D	62611	3250.25	NAVD88	1	S	USGS
2003-01-28	D	72019	17.75		1	S	USGS

Explanation

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



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Page Last Modified: 2023-11-06 15:37:49 EST

0.33 0.3 nadww01



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USGS Water Resources

Data Category: Geographic Area:

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320409104102001

Minimum number of levels = 1
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USGS 320409104102001 26S.27E.05.44233

Eddy County, New Mexico
Latitude 32°04'09", Longitude 104°10'20" NAD27
Land-surface elevation 3,245 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1948-12-03			D 62610		3230.90	NGVD29	1	Z		
1948-12-03			D 62611		3232.53	NAVD88	1	Z		
1948-12-03			D 72019	12.47			1	Z		
1978-01-03			D 62610		3229.32	NGVD29	1	Z		
1978-01-03			D 62611		3230.95	NAVD88	1	Z		
1978-01-03			D 72019	14.05			1	Z		
1983-01-25			D 62610		3232.62	NGVD29	1	Z		
1983-01-25			D 62611		3234.25	NAVD88	1	Z		
1983-01-25			D 72019	10.75			1	Z		
1987-10-08			D 62610		3234.24	NGVD29	1	Z		
1987-10-08			D 62611		3235.87	NAVD88	1	Z		
1987-10-08			D 72019	9.13			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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: 2023-11-06 15:38:50 EST

0.32 0.28 nadww02



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
NA	C 04573 POD1	3	1	1	11	26S	27E	578524	3547472

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY
Driller Name: WHITE, JOHNNOWN.IGENER
Drill Start Date: 10/21/2021 **Drill Finish Date:** 10/21/2021 **Plug Date:**
Log File Date: 11/19/2021 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: **Depth Well:** 104 feet **Depth Water:** 35 feet

Water Bearing Stratifications:	Top	Bottom	Description
	63	64	Other/Unknown
	72	87	Sandstone/Gravel/Conglomerate
	87	104	Limestone/Dolomite/Chalk

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

11/6/23 1:32 PM

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)				(NAD83 UTM in meters)		
Well Tag	POD Number	(quarters are smallest to largest)	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	02588		3 4 3	33	25S	27E	575645	3549575*

Driller License: 1348	Driller Company: TAYLOR WATER WELL SERVICE	
Driller Name:		
Drill Start Date: 05/31/1998	Drill Finish Date: 06/03/1998	Plug Date:
Log File Date: 08/24/1998	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 2 GPM
Casing Size: 5.00	Depth Well: 81 feet	Depth Water: 19 feet

Water Bearing Stratifications:	Top	Bottom	Description
	21	23	Other/Unknown
	52	81	Other/Unknown

Casing Perforations:	Top	Bottom
	53	81

*UTM location was derived from PLSS - see Help

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11/6/23 1:34 PM

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USGS Water Resources

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Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 320343104110201

Minimum number of levels = 1

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

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
 Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83
 Land-surface elevation 3,182.10 feet above NGVD29
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Castile Formation (312CSTL) 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
1978-01-03			D 62610		3164.52	NGVD29	1	Z		
1978-01-03			D 62611		3166.18	NAVD88	1	Z		
1978-01-03			D 72019	17.58			1	Z		
1983-01-05			D 62610		3166.54	NGVD29	1	Z		
1983-01-05			D 62611		3168.20	NAVD88	1	Z		
1983-01-05			D 72019	15.56			1	Z		
1987-10-08			D 62610		3167.72	NGVD29	1	Z		
1987-10-08			D 62611		3169.38	NAVD88	1	Z		
1987-10-08			D 72019	14.38			1	Z		
1992-11-04			D 62610		3165.85	NGVD29	1	S		
1992-11-04			D 62611		3167.51	NAVD88	1	S		
1992-11-04			D 72019	16.25			1	S		
1998-01-13			D 62610		3165.45	NGVD29	1	S		
1998-01-13			D 62611		3167.11	NAVD88	1	S		
1998-01-13			D 72019	16.65			1	S		

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
2003-01-28		D	62610		3164.88	NGVD29	1	S	USGS	
2003-01-28		D	62611		3166.54	NAVD88	1	S	USGS	
2003-01-28		D	72019	17.22			1	S	USGS	
2013-01-09	21:45 UTC	m	62610		3173.16	NGVD29	1	S	USGS	
2013-01-09	21:45 UTC	m	62611		3174.82	NAVD88	1	S	USGS	
2013-01-09	21:45 UTC	m	72019	8.94			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.

Questions or Comments

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

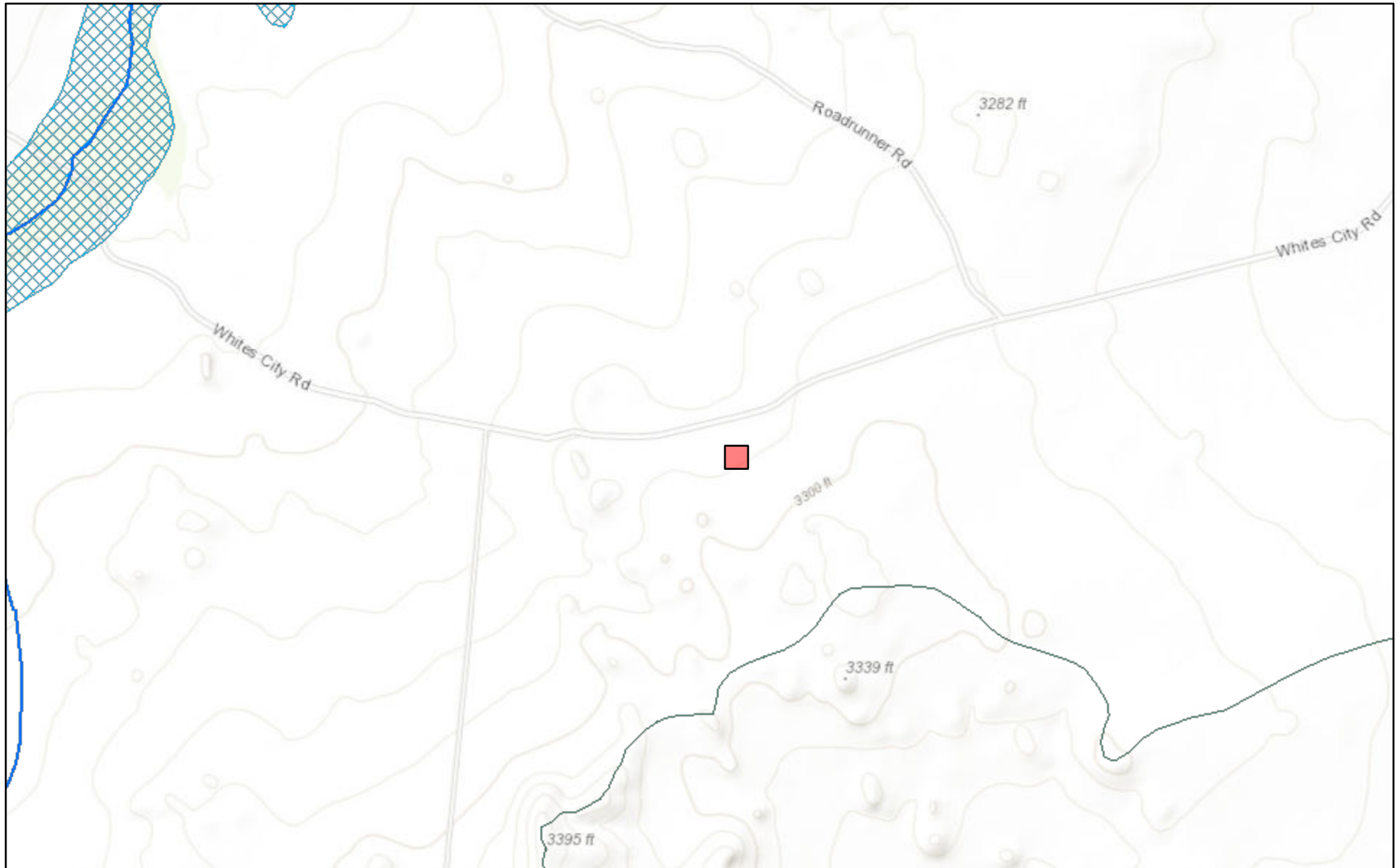


Page Contact Information: [New Mexico Water Data Maintainer](#)

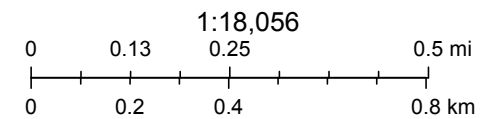
Page Last Modified: 2023-11-06 15:36:28 EST

0.34 0.29 nadww01

New Mexico NFHL Data



August 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

September 25, 2023

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

RE: HHNM PIPELINE ROW (8.25.2023)

Enclosed are the results of analyses for samples received by the laboratory on 09/19/23 14:37.

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 1 (0-6") (H235082-01)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	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	112	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 2 (0-6") (H235082-02)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 3 (0-6") (H235082-03)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	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	160	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 4 (0-6") (H235082-04)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	13.4	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 5 (0-6") (H235082-05)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	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	160	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: H - 6 (0-6") (H235082-06)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H235082

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	HHNM Pipeline ROW (08.25.2023)	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Due Date:	Normal											
Project Number:	2127														None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co. NM														Cool: Cool	MeOH: Me	
Sampler's Name:	GP	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃ : HN	
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		140											NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:		4.2											Zn Acetate+NaOH: Zn		
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:													NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
H-1 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	
H-2 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	
H-3 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	
H-4 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	
H-5 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	
H-6 (0-6")	9/19/2023		X		Grab/	1	X	X	X	X	X	X	X	X	X	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/19/23 1457			2
					4
					6

Revised Date 05/01/2020 Rev. 2020.1



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

September 25, 2023

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

RE: HHNM PIPELINE ROW (8.25.2023)

Enclosed are the results of analyses for samples received by the laboratory on 09/19/23 14:37.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 1 (0-1') (H235083-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	0.082	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	0.930	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	4.47	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	5.48	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 289 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	978	50.0	09/21/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	24700	50.0	09/21/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<50.0	50.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 383 % 48.2-134

Surrogate: 1-Chlorooctadecane 603 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 1 (1.5)R (H235083-02)

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	09/21/2023	ND	2.03	102	2.00	4.02		
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99		
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29		
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46		
Total BTEX	<0.300	0.300	09/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	288	16.0	09/20/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23		
DRO >C10-C28*	179	10.0	09/20/2023	ND	211	106	200	11.9		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 2 (0-1') (H235083-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	0.832	0.100	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	5.64	0.100	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	26.8	0.300	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	33.3	0.600	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 296 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1710	50.0	09/21/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	21500	50.0	09/21/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<50.0	50.0	09/21/2023	ND					

Surrogate: 1-Chlorooctane 470 % 48.2-134

Surrogate: 1-Chlorooctadecane 423 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 2 (1.5') (H235083-04)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	117	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 2 (2') (H235083-05)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	67.5	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 2 (3')R (H235083-06)

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	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	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	16.0	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	84.6	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 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
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 3 (0-1') (H235083-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/21/2023	ND	1.96	98.1	2.00	6.23	QR-03
Toluene*	1.60	1.00	09/21/2023	ND	1.98	99.1	2.00	6.13	
Ethylbenzene*	7.74	1.00	09/21/2023	ND	2.10	105	2.00	5.76	QM-07
Total Xylenes*	37.7	3.00	09/21/2023	ND	6.35	106	6.00	6.25	QM-07
Total BTEX	47.0	6.00	09/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	176	16.0	09/20/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2700	50.0	09/21/2023	ND	197	98.4	200	8.23		
DRO >C10-C28*	26800	50.0	09/21/2023	ND	211	106	200	11.9		
EXT DRO >C28-C36	<50.0	50.0	09/21/2023	ND						

Surrogate: 1-Chlorooctane 604 % 48.2-134

Surrogate: 1-Chlorooctadecane 560 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 3 (1.5') (H235083-08)

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	09/21/2023	ND	1.96	98.1	2.00	6.23		
Toluene*	<0.050	0.050	09/21/2023	ND	1.98	99.1	2.00	6.13		
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	5.76		
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.35	106	6.00	6.25		
Total BTEX	<0.300	0.300	09/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	09/20/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23		
DRO >C10-C28*	447	10.0	09/20/2023	ND	211	106	200	11.9		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 3 (2')R (H235083-09)

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	09/21/2023	ND	1.96	98.1	2.00	6.23		
Toluene*	<0.050	0.050	09/21/2023	ND	1.98	99.1	2.00	6.13		
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	5.76		
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.35	106	6.00	6.25		
Total BTEX	<0.300	0.300	09/21/2023	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	80.0	16.0	09/20/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	16.4	10.0	09/20/2023	ND	197	98.4	200	8.23		
DRO >C10-C28*	1160	10.0	09/20/2023	ND	211	106	200	11.9		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 4 (0-1') (H235083-10)

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	09/21/2023	ND	1.96	98.1	2.00	6.23	
Toluene*	<0.050	0.050	09/21/2023	ND	1.98	99.1	2.00	6.13	
Ethylbenzene*	0.110	0.050	09/21/2023	ND	2.10	105	2.00	5.76	
Total Xylenes*	0.900	0.150	09/21/2023	ND	6.35	106	6.00	6.25	
Total BTEX	1.01	0.300	09/21/2023	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	32.0	16.0	09/20/2023	ND	400	100	400	3.92	

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*	69.0	10.0	09/20/2023	ND	197	98.4	200	8.23		
DRO >C10-C28*	5870	10.0	09/20/2023	ND	211	106	200	11.9		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 204 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/19/2023	Sampling Date:	09/19/2023
Reported:	09/25/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON EDDY CO., NM		

Sample ID: S - 4 (1.5')R (H235083-11)

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	09/21/2023	ND	1.96	98.1	2.00	6.23		
Toluene*	<0.050	0.050	09/21/2023	ND	1.98	99.1	2.00	6.13		
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	5.76		
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.35	106	6.00	6.25		
Total BTEX	<0.300	0.300	09/21/2023	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	32.0	16.0	09/20/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	211	106	200	3.80		
DRO >C10-C28*	662	10.0	09/20/2023	ND	230	115	200	7.19		
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H235083

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different):	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8938	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: _____ Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	HHNM Pipeline ROW (08.25.2023)	
Project Number:	2127	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Location:	Eddy Co. NM	Due Date: Normal
Sampler's Name:	GP	TAT starts the day received by the lab, if received by 4:30pm
PO #:		
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: <u>140</u>
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Correction Factor: _____
Sample Custody Seals:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: <u>4.25</u>
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature: _____

ANALYSIS REQUEST	
Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500
Preservative Codes	None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP 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	Parameters	Sample Comments
S-1 (0-1')	9/19/2023		X		Grab/	1		
S-1 (1.5)R	9/19/2023		X		Grab/	1		
S-2 (0-1')	9/19/2023		X		Grab/	1		
S-2 (1.5')	9/19/2023		X		Grab/	1		
S-2 (2')	9/19/2023		X		Grab/	1		
S-2 (3)R	9/19/2023		X		Grab/	1		
S-3 (0-1')	9/19/2023		X		Grab/	1		
S-3 (1.5')	9/19/2023		X		Grab/	1		
S-3 (2)R	9/19/2023		X		Grab/	1		
S-4 (0-1')	9/19/2023		X		Grab/	1		

Please send results to cmoehring@carmonaresources.com and mcarmone@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<u>[Signature]</u>	9-19-23 1457			

Chain of Custody

Work Order No: 1235083

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	HHNM Pipeline ROW (08.25.2023)		Turn Around	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number:	2127	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush					None: NO DI Water: H ₂ O
Project Location	Eddy Co. NM	Due Date:	Normal				Cool: Cool MeOH: Me
Sampler's Name:	GP	TAT starts the day received by the lab, if received by 4:30pm					HCL: HC HNO ₃ : HN
PO #:							H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input type="checkbox"/>		H ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					NH ₄ SO ₄ : NABIS
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:					Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:					Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:					NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	
S-4 (1.5)R	9/19/2023		X		Grab/	1	X	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9-19-23 1437			

Revised Date 05/01/2020 Rev. 2020.1



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

October 09, 2023

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

RE: HHNM PIPELINE ROW (8.25.2023)

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 14:37.

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 1 (0-1') (H235343-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	0.285	0.100	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	2.05	0.100	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	14.4	0.300	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	16.7	0.600	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 173 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1080	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	23700	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 232 % 48.2-134

Surrogate: 1-Chlorooctadecane 393 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 1 (1.5') (H235343-02)

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	10/05/2023	ND	2.07	103	2.00	4.57	
Toluene*	<0.050	0.050	10/05/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.95	116	6.00	3.85	
Total BTEX	<0.300	0.300	10/05/2023	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	1440	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 1 (2.0') (H235343-03)

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	10/05/2023	ND	2.07	103	2.00	4.57	
Toluene*	<0.050	0.050	10/05/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.95	116	6.00	3.85	
Total BTEX	<0.300	0.300	10/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	880	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	89.4	10.0	10/03/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 1 (3.0') (H235343-04)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	0.062	0.050	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	0.419	0.050	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	3.48	0.150	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	3.96	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 156 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/04/2023	ND	448	112	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*	184	10.0	10/03/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	4690	10.0	10/03/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 152 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 1 (3.5')R (H235343-05)

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	10/05/2023	ND	2.07	103	2.00	4.57		
Toluene*	<0.050	0.050	10/05/2023	ND	2.15	107	2.00	1.87		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.31	115	2.00	3.97		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.95	116	6.00	3.85		
Total BTEX	<0.300	0.300	10/05/2023	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	144	16.0	10/04/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	192	96.0	200	1.22		
DRO >C10-C28*	13.0	10.0	10/03/2023	ND	196	97.8	200	0.247		
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (0-1') (H235343-06)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	1.71	0.100	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	5.56	0.100	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	29.5	0.300	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	36.8	0.600	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 164 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1730	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	40100	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 244 % 48.2-134

Surrogate: 1-Chlorooctadecane 856 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (1.5') (H235343-07)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	5.66	0.200	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	17.4	0.200	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	81.0	0.600	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	104	1.20	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 173 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3120	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	27300	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 309 % 48.2-134

Surrogate: 1-Chlorooctadecane 356 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (2.0') (H235343-08)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	2.57	0.200	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	8.68	0.200	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	41.2	0.600	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	52.5	1.20	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 223 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1790	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	16500	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 265 % 48.2-134

Surrogate: 1-Chlorooctadecane 226 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (3.0') (H235343-09)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	4.08	0.200	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	12.1	0.200	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	54.4	0.600	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	70.6	1.20	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2110	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	18300	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 241 % 48.2-134

Surrogate: 1-Chlorooctadecane 238 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (4.0') (H235343-10)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	10/05/2023	ND	2.07	103	2.00	4.57	
Toluene*	10.8	2.00	10/05/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	26.1	2.00	10/05/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	114	6.00	10/05/2023	ND	6.95	116	6.00	3.85	
Total BTEX	151	12.0	10/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 160 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4570	100	10/04/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	41500	100	10/04/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 436 % 48.2-134

Surrogate: 1-Chlorooctadecane 576 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (5.0') (H235343-11)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.07	103	2.00	4.57	
Toluene*	0.214	0.050	10/06/2023	ND	2.15	107	2.00	1.87	
Ethylbenzene*	0.947	0.050	10/06/2023	ND	2.31	115	2.00	3.97	
Total Xylenes*	4.67	0.150	10/06/2023	ND	6.95	116	6.00	3.85	
Total BTEX	5.84	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 148 % 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	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	110	10.0	10/03/2023	ND	192	96.0	200	1.22	
DRO >C10-C28*	1240	10.0	10/03/2023	ND	196	97.8	200	0.247	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (6.0') (H235343-12)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/04/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.5	10.0	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	274	10.0	10/03/2023	ND	212	106	200	1.00	QM-07
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 2 (7.0')R (H235343-13)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	10/04/2023	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	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	114	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 3 (0-1') (H235343-14)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/05/2023	ND	2.01	100	2.00	2.18	
Toluene*	0.671	0.100	10/05/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	3.76	0.100	10/05/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	23.2	0.300	10/05/2023	ND	6.23	104	6.00	5.09	
Total BTEX	27.6	0.600	10/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 217 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/04/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1750	100	10/04/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	43400	100	10/04/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<100	100	10/04/2023	ND					

Surrogate: 1-Chlorooctane 540 % 48.2-134

Surrogate: 1-Chlorooctadecane 1020 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 3 (1.5') (H235343-15)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.9 % 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	10/04/2023	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	10/04/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	14.7	10.0	10/04/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/04/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 3 (2.0') (H235343-16)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	10/04/2023	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	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 3 (3.0') (H235343-17)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	10/04/2023	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	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	10/02/2023
Reported:	10/09/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: T - 3 (3.5')R (H235343-18)

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	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 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	48.0	16.0	10/04/2023	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	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	30.1	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: A235343

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/> State of Project: Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	
--	--

Project Name:	HHNM Pipeline ROW (08.25.2023)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush																			
Project Number:	2127	Due Date:		Normal													None: NO	DI Water: H ₂ O				
Project Location:	Eddy Co, NM	Due Date:		Normal													Cool: Cool	MeOH: Me				
Sampler's Name:	GP	Due Date:		Normal													HCL: HC	HNO ₃ : HN				
PO #:		Due Date:		Normal													H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes (No)	Wet Ice:	Yes (No)									H ₃ PO ₄ : HP						
Received Intact:	Yes (No)	Thermometer ID:	140									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:	28.2									Zn Acetate+NaOH: Zn										
Total Containers:	Yes (No)	Corrected Temperature:										NaOH+Ascorbic Acid: SAPC										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B					TPH 8015M (GRO + DRO + MRO)					Chloride 4500					Sample Comments
T-1 (0-1')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-1 (1.5')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-1 (2.0')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-1 (3.0')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-1 (3.5')R	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-2 (0-1')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-2 (1.5')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-2 (2.0')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-2 (3.0')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			
T-2 (4.0')	10/2/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X			

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10-2-23 1453			

Revised Date 05/12/2020 Rev. 2020.1

Chain of Custody

Work Order No:

18255343

Page 2 of 2

Project Manager:	Ashlon Thielke	Bill to: (if different):	Amy Bamhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abamhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments

Program: UST/PST PRP Rowfields RC perfund

State of Project:

Reporting Level: Level II Level III ST/UST RRP Level IV

Deliverables: EDD ADAPT Other:

Project Name:	Project Number:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
HHNM Pipeline ROW (08.25.2023)	2127	<input checked="" type="checkbox"/>	<input type="checkbox"/>				None: NO	
Project Location:	Eddy Co. NM	Due Date:	Normal				DI Water: H ₂ O	
Sampler's Name:	GP						Cool: Cool	
PO #:							HCL: HC	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:				H ₂ SO ₄ : H ₂	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Corrected Temperature:				NaHSO ₄ : NABIS	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Na ₂ S ₂ O ₅ : NaSO ₃	
Total Containers:							Zn Acetate+NaOH: Zn	
							NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
T-2 (5.0')	10/21/2023		X		G	1	BTEX 8021B	
T-2 (6.0')	10/21/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)	
T-2 (7.0')R	10/21/2023		X		G	1	Chloride 4500	
T-3 (0-1')	10/21/2023		X		G	1		
T-3 (1.5')	10/21/2023		X		G	1		
T-3 (2.0')	10/21/2023		X		G	1		
T-3 (3.0')	10/21/2023		X		G	1		
T-3 (3.5')R	10/21/2023		X		G	1		

Please send results to cmoehtng@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10-2-23 1457			
5					
3					

Revised Date 05/12/2020 Rev. 2020.1



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

November 06, 2023

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

RE: HHNM PIPELINE ROW (8.25.2023)

Enclosed are the results of analyses for samples received by the laboratory on 11/03/23 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 1 (2.0') (H236061-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	11/06/2023	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 2 (2.0') (H236061-02)

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	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/03/2023	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	64.0	16.0	11/06/2023	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 3 (7.0') (H236061-03)

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	11/03/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/03/2023	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	64.0	16.0	11/06/2023	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 4 (2.0') (H236061-04)

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	11/03/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/06/2023	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 5 (2.0') (H236061-05)

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	11/03/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2023	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 6 (3.5') (H236061-06)

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	11/03/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/03/2023	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	<16.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: CS - 7 (3.5') (H236061-07)

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	11/03/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	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	32.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	36.4	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 1 (2.0') (H236061-08)

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	11/03/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/03/2023	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	112	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 2 (2.0') (H236061-09)

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	11/03/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/03/2023	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	112	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 3 (2.0') (H236061-10)

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	11/03/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 4 (2.0') (H236061-11)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	64.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 5 (5.0') (H236061-12)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	80.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 6 (7.0') (H236061-13)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 7 (7.0') (H236061-14)

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	11/04/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/04/2023	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	48.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	27.3	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 8 (7.0') (H236061-15)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	32.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	10.1	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 9 (5.0') (H236061-16)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	64.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 10 (2.0') (H236061-17)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	80.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 11 (2.0') (H236061-18)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	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	<16.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 12 (1.5') (H236061-19)

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	11/04/2023	ND	2.18	109	2.00	1.35	
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 13 (3.5') (H236061-20)

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	11/04/2023	ND	2.18	109	2.00	1.35		
Toluene*	<0.050	0.050	11/04/2023	ND	2.07	104	2.00	2.41		
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.11	106	2.00	4.35		
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.15	103	6.00	5.10		
Total BTEX	<0.300	0.300	11/04/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	207	104	200	0.916		
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	190	94.8	200	4.83		
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND						

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 14 (3.5') (H236061-21)

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	11/04/2023	ND	2.11	105	2.00	3.14	
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24	
Total BTEX	<0.300	0.300	11/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	11/06/2023	ND	448	112	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	11/05/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 15 (3.5') (H236061-22)

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	11/04/2023	ND	2.11	105	2.00	3.14	
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24	
Total BTEX	<0.300	0.300	11/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	11/06/2023	ND	448	112	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	11/05/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 16 (3.5') (H236061-23)

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	11/04/2023	ND	2.11	105	2.00	3.14	
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24	
Total BTEX	<0.300	0.300	11/04/2023	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	<16.0	16.0	11/06/2023	ND	448	112	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	11/05/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	15.1	10.0	11/05/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 62.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/03/2023	Sampling Date:	11/03/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	HHNM PIPELINE ROW (8.25.2023)	Sampling Condition:	Cool & Intact
Project Number:	2127	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO., NM		

Sample ID: SW - 17 (3.5') (H236061-24)

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	11/04/2023	ND	2.11	105	2.00	3.14		
Toluene*	<0.050	0.050	11/04/2023	ND	1.97	98.5	2.00	6.66		
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.05	102	2.00	8.36		
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.14	102	6.00	9.24		
Total BTEX	<0.300	0.300	11/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	11/06/2023	ND	448	112	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	11/06/2023	ND	188	94.2	200	0.506		
DRO >C10-C28*	<10.0	10.0	11/06/2023	ND	172	85.8	200	0.468		
EXT DRO >C28-C36	<10.0	10.0	11/06/2023	ND						

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 11236061

Page 1 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input checked="" type="checkbox"/> <input type="checkbox"/> Refund
State of Project:
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	HHNM Pipeline ROW (08.25.2023)	Turn Around	Parameters		ANALYSIS REQUEST	Preservative Codes
Project Number:	2127	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code			None: NO DI Water: H ₂ O
Project Location:	Eddy Co. NM	Due Date:	24 hr			Cool: Cool MeOH: Me
Sampler's Name:	GP					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 NaHSO ₄ : NABIS
Received Intact:	Yes No	Thermometer ID:				Na ₂ S ₂ O ₅ : NaSO ₅ Zn Acetate+NaOH: Zn
Cooler Custody Seals:	Yes No	Correction Factor:				NaOH+Ascorbic Acid: SAPC
Sample Custody Seals:	Yes No	Temperature Reading:				
Total Containers:	M/A	Corrected Temperature:				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (2.0')	11/3/2023		X		C	1	X	X	X	
CS-2 (2.0')	11/3/2023		X		C	1	X	X	X	
CS-3 (7.0')	11/3/2023		X		C	1	X	X	X	
CS-4 (2.0')	11/3/2023		X		C	1	X	X	X	
CS-5 (2.0')	11/3/2023		X		C	1	X	X	X	
CS-6 (3.5')	11/3/2023		X		C	1	X	X	X	
CS-7 (3.5')	11/3/2023		X		C	1	X	X	X	
SW-1 (2.0')	11/3/2023		X		C	1	X	X	X	
SW-2 (2.0')	11/3/2023		X		C	1	X	X	X	
SW-3 (2.0')	11/3/2023		X		C	1	X	X	X	

Please send results to cmoe:rling@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11-3-23 1145			

Revised Date 05/17/2020 Rev: 2020.1

Chain of Custody

Work Order No: A12345678

Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500	Address:	6301 Deauville Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Abernhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST				Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	
11 SW-4 (2.0')	11/3/2023		X		C	1	X	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₅ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
12 SW-5 (5.0')	11/3/2023		X		C	1	X	X	X		
13 SW-6 (7.0')	11/3/2023		X		C	1	X	X	X		
14 SW-7 (7.0')	11/3/2023		X		C	1	X	X	X		
15 SW-8 (7.0')	11/3/2023		X		C	1	X	X	X		
16 SW-9 (5.0')	11/3/2023		X		C	1	X	X	X		
17 SW-10 (2.0')	11/3/2023		X		C	1	X	X	X		
18 SW-11 (2.0')	11/3/2023		X		C	1	X	X	X		
19 SW-12 (1.5')	11/3/2023		X		C	1	X	X	X		
20 SW-13 (3.5')	11/3/2023		X		C	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11-3-23 11:45			

Chain of Custody

Work Order No: 11336061

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Amy Barnhill
Company Name:	Carmona Resources	Company Name:	Chevron
Address:	310 West Wall Ste. 500 Midland, TX 79701	Address:	6301 Deauville Blvd Midland, TX 79706
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-8988	Email:	Aabarnhill@chevron.com & ThielkeA@Carmonaresources.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	HHNM Pipeline ROW (08.25.2023)	Turn Around		Pres. Code	ANALYSIS REQUEST							
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush									
Project Number:	2127	Due Date:	24 hr	Parameters								
Project Location:	Eddy Co. NM	Sampler's Name:	GP	BTEX 8021B								
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TPH 8015M (GRO + DRO + MRO)								
SAMPLE RECEIPT	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140								
	Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	3.0%								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:										
Total Containers:		Corrected Temperature:										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					Sample Comments	
SW-14 (3.5')	11/3/2023		X	C	C	1	X	X	X	X		
SW-15 (3.5')	11/3/2023		X	C	C	1	X	X	X	X		
SW-16 (3.5')	11/3/2023		X	C	C	1	X	X	X	X		
SW-17 (3.5')	11/3/2023		X	C	C	1	X	X	X	X		

Please send results to cincheiring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11-3-23 1445			

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 289317

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 289317
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure report approved. This site is considered not reasonably need for production operations or for subsequent drilling operations and a reclamation report will need to be submitted.	3/8/2024
bhall	The reclamation report will need to include: an executive summary of the reclamation activities; scaled site map including sampling locations; analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards OCD reserves the right to request additional sampling of the material used to backfill, if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/8/2024
bhall	Subsequent to the approval of a reclamation report, a revegetation report will need to be submitted. Be advised that a revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report.	3/8/2024
bhall	The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/8/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/8/2024
bhall	Submit a complete reclamation report through the OCD Permitting website by June 10, 2024.	3/8/2024