

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Eddy County, New Mexico**  
**Incident ID: napp2333850967**  
**Unit F Sec 33 T26S R30E**  
**32.000941°, -103.889366°**

**Produced Water Release**  
**Point of Release: Equipment Failure**  
**Release Date: 11/21/2023**  
**Volume Released: 7 Barrels of Produced Water**  
**Volume Recovered: 5 Barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Devon Energy**  
**5315 Buena Vista Drive**  
**Carlsbad, New Mexico 88220**

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

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

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June 4, 2024

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

**Re: Closure Report**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Devon Energy**  
**Incident #napp2333850967**  
**Site Location: Unit F, S33, T26S, R30E**  
**(Lat 32.000941°, Long -103.889366°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Devon Energy (Devon), Carmona Resources, LLC has prepared this letter to document site activities for the Clawhammer 33-28-21 Federal Com #412H. The site is located at 32.000941°, -103.889366° within Unit F, S33, T26S, and R30E, 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 November 21, 2023, due to equipment failure. It resulted in the release of seven (7) barrels of produced water, with five (5) barrels recovered. Refer to Figure 3. The release occurred on the pad. 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, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 2.10 miles Northeast of the site in S22, T26S, R30E and was drilled in 1987. The well has a reported depth to groundwater of 117.03 feet below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

On February 14, 2024, Carmona Resources, LLC was onsite to drill a groundwater determination bore to 105' below ground surface and approximately 0.10 miles Southeast of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 105' below the surface. The coordinates for the groundwater determination bore are 32.000753°, -103.887772°. See Appendix D for the driller's log.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO)
- Chloride: 20,000 mg/kg.

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#### **4.0 Site Assessment Activities**

On March 22, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, five (5) sample points (S-1 through S-5) and six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 6' bgs inside 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 Envirotech Inc. in Farmington, 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 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

##### **Vertical Delineation**

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

##### **Horizontal Delineation**

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

#### **5.0 Remediation Activities**

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 9, 2024, and via NMOCD web portal on May 13, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of twenty-two (22) confirmation floor samples (CS-1 through CS-22) and thirteen (13) sidewall samples (SW-1 through SW-13) were collected every 200 square feet to ensure the proper removal of the contaminated soils. 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 Envirotech Inc. in Farmington, New Mexico. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4. Approximately 520 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. Devon Energy formally requests the closure of this spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Ashton Thielke  
Sr. Project Manager

Miranda Milwee  
Project Manager

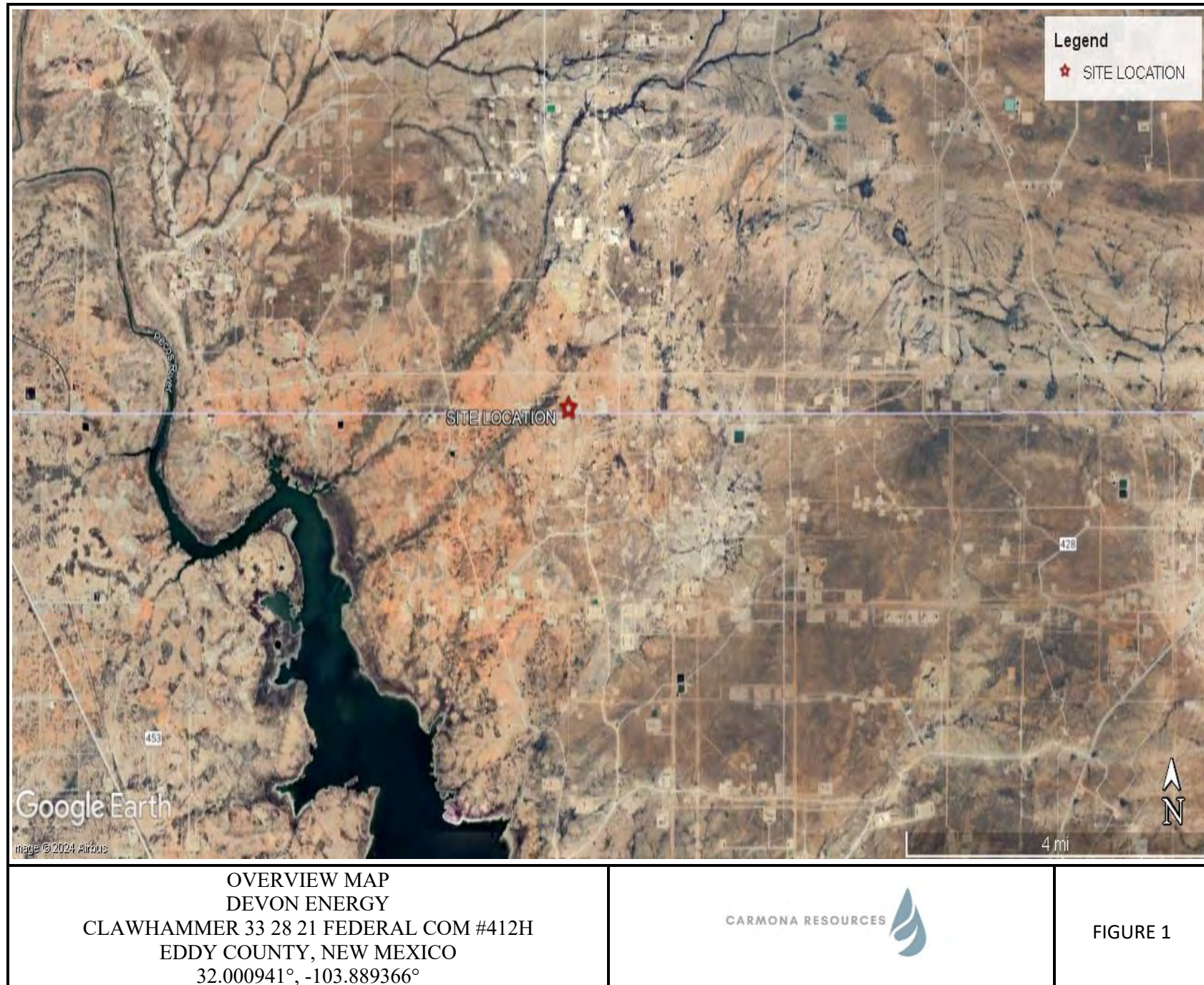
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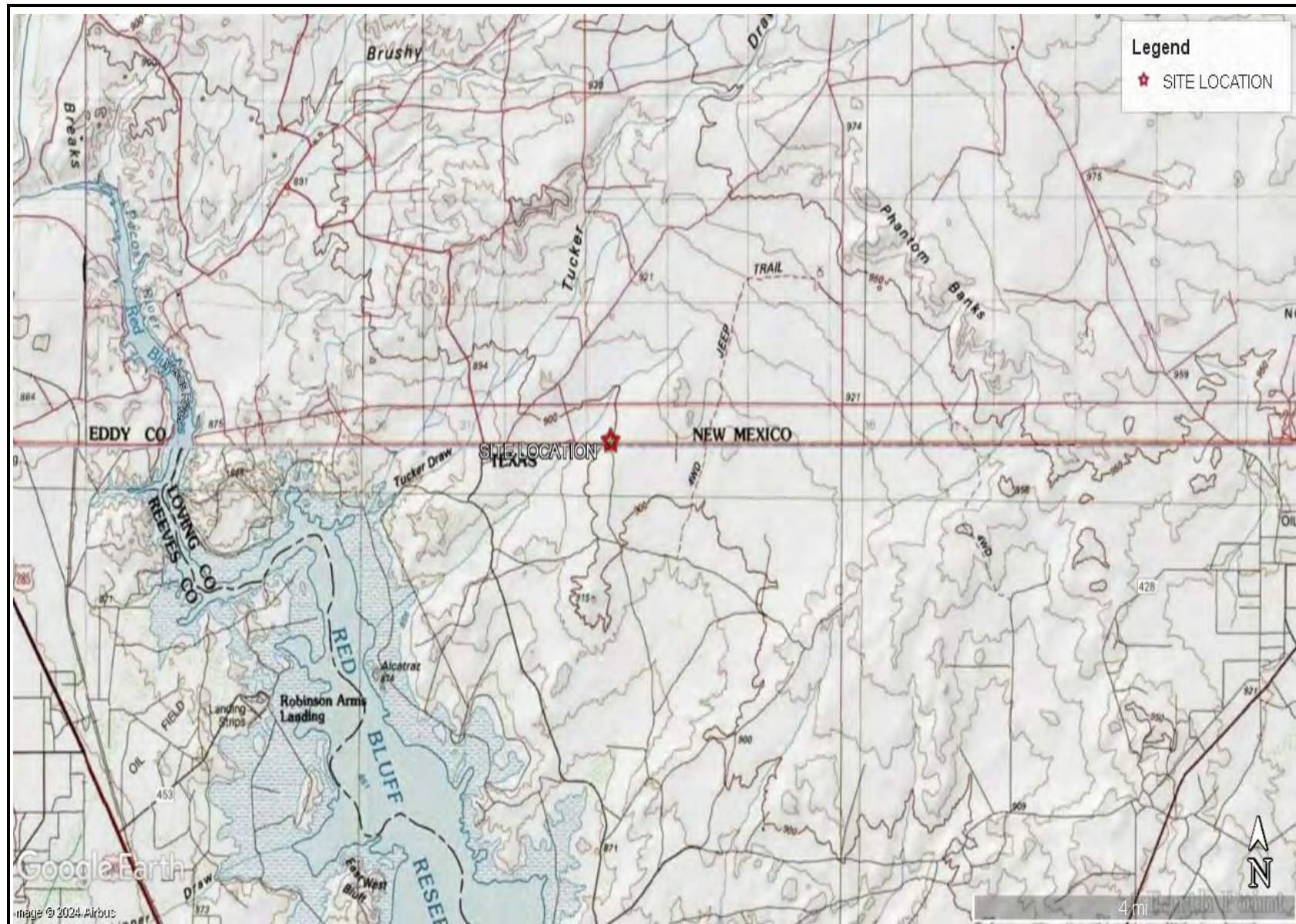
## FIGURES

CARMONA RESOURCES







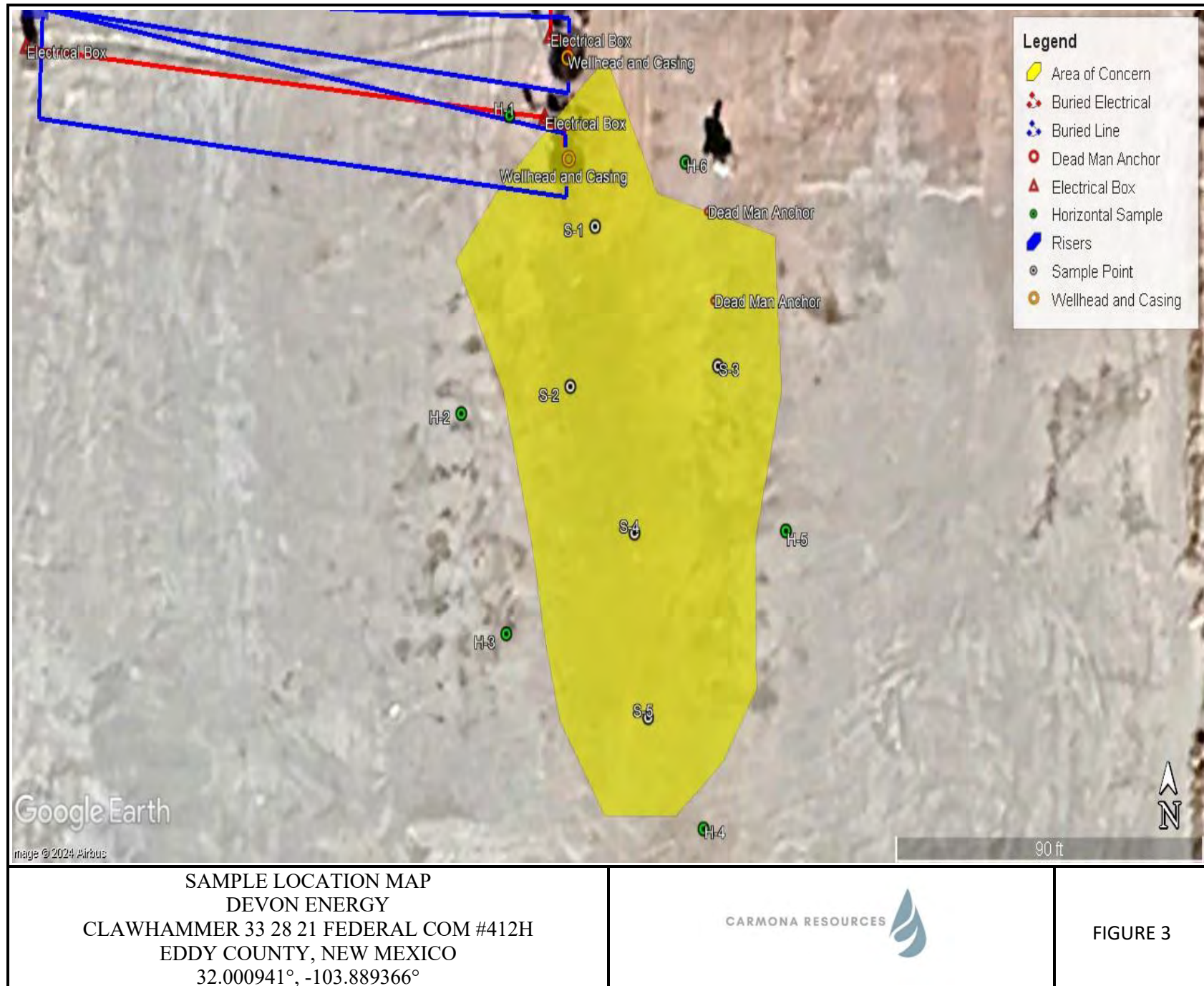


TOPOGRAPHIC MAP  
DEVON ENERGY  
CLAWHAMMER 33 28 21 FEDERAL COM #412H  
EDDY COUNTY, NEW MEXICO  
32.000941°, -103.889366°



FIGURE 2







## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Devon Energy**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	3/22/2024	0-1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,600
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,940
	"	2.0	ND	113	71.9	184.9	ND	ND	ND	ND	ND	13,200
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>S-2</b>	3/22/2024	0-1.0	ND	697	176	873	ND	ND	ND	ND	ND	12,800
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,700
	"	2.0	ND	27.4	ND	27.4	ND	ND	ND	ND	ND	3,520
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,250
	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>S-3</b>	3/22/2024	0-1.0	ND	56.7	56.2	112.9	ND	ND	ND	ND	ND	10,200
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,390
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,140
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,590
	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,450
	"	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,730
	"	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>S-4</b>	3/22/2024	0-1.0	ND	<b>3,050</b>	845	<b>3,895</b>	ND	ND	ND	0.161	0.161	14,700
	"	1.5	ND	100	ND	100	ND	ND	ND	ND	ND	7,810
	"	2.0	ND	178	61.2	239.2	ND	ND	ND	ND	ND	8,050
	"	3.0	ND	792	611	1,403	ND	ND	ND	ND	ND	1,660
	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	95.8
<b>S-5</b>	3/22/2024	0-1.0	ND	<b>2,440</b>	517	<b>2,957</b>	ND	ND	ND	ND	ND	6,660
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	744
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	562
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>			<b>2,500 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>20,000 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) - Sample Point

 Exceeds

**Table 1**  
**Devon Energy**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-2	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.2
H-3	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-4	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-5	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-6	3/22/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<i>Regulatory Criteria</i> <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample



**Table 2**  
**Devon Energy**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/13/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,390
CS-2	5/13/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,000
CS-3	5/13/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,040
CS-4	5/13/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,350
CS-5	5/13/2024	1.5'	ND	70.9	58.2	129.1	ND	ND	ND	ND	ND	6,660
CS-6	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	594
CS-7	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	335
CS-8	5/15/2024	1.5'	ND	28.6	ND	ND	ND	ND	ND	ND	ND	2,400
CS-9	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,690
CS-10	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,680
CS-11	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,190
CS-12	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	707
CS-13	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	477
CS-14	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	574
CS-15	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	288
CS-16	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	454
CS-17	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	468
CS-18	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	409
CS-19	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	291
CS-20	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,510
CS-21	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.5
CS-22	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
Regulatory Criteria <sup>A</sup>			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

**Table 2**  
**Devon Energy**  
**Clawhammer 33-28-21 Federal Com #412H**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>SW-1</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	582
<b>SW-2</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.9
<b>SW-3</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	144
<b>SW-4</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	293
<b>SW-5</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	347
<b>SW-6</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	344
<b>SW-7</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
<b>SW-8</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4
<b>SW-9</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SW-10</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	563
<b>SW-11</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	281
<b>SW-12</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	478
<b>SW-13</b>	5/15/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	142
<b>Regulatory Criteria<sup>A</sup></b>							<b>100 mg/kg</b>	<b>10 mg/kg</b>			<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

## Devon Energy

## Photograph No. 1

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View Southwest, area of CS-1 through CS-22.



## Photograph No. 2

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View Southeast, areas of CS-1 through CS-22.



## Photograph No. 3

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View Southeast, area of CS-1 through CS-22.





## PHOTOGRAPHIC LOG

## Devon Energy

## Photograph No. 4

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View North, area of CS-1 through CS-15, CS-21 and CS-22.



## Photograph No. 5

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View Northeast, area of CS-1 through CS-22.



## Photograph No. 6

**Facility:** Clawhammer 33-28-21 Federal  
Com #412H

**County:** Eddy County, New Mexico

**Description:**

View Northwest, area of CS-1 through CS-22.



## APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS  
  
Action 290922

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 290922
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	Clawhammer 33-28-21 FED COM 412H
Date Release Discovered	11/21/2023
Surface Owner	Federal

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

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Well   Produced Water   Released: 7 BBL   Recovered: 5 BBL   Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 290922

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 290922
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

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



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

ACKNOWLEDGMENTS  
  
Action 290922

ACKNOWLEDGMENTS

Operator:  WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:  246289
	Action Number:  290922
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
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Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 290922

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 290922
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jralej	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/4/2023

**Miranda Milwee**

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Wednesday, February 7, 2024 9:33 AM  
**To:** Raley, Jim  
**Cc:** Mike Carmona; Miranda Milwee; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD  
**Subject:** Extension Request WPX Energy - nAPP2333850967

RE: Incident #**NAPP2333850967**

Jim,

Your request for a 90 day extension to **May 7th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, February 6, 2024 1:48 PM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Extension Request WPX Energy - nAPP2333850967

---

**From:** Raley, Jim <[Jim.Raley@dvn.com](mailto:Jim.Raley@dvn.com)>  
**Sent:** Tuesday, February 6, 2024 11:47 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>; Miranda Milwee <[MilweeM@carmonaresources.com](mailto:MilweeM@carmonaresources.com)>  
**Subject:** [EXTERNAL] Extension Request WPX Energy - nAPP2333850967

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

NMOCD District II,  
WPX Energy respectfully request a 90 day extension for incident nAPP2333850967 - CLAWHAMMER 33-28-21 FED COM 412H – (30-015-49831) that occurred on 11/21/2023. Due to a lack of groundwater data in the area we needed to drill a

well to determine DTW and correctly characterize this incident. Securing a driller required extra time which will take us past our original 90 day window of 2/19/2024.

Jim Raley | Environmental Professional - Permian Basin  
5315 Buena Vista Dr., Carlsbad, NM 88220  
C: (575)689-7597 | [jim.rale@devon.com](mailto:jim.rale@devon.com)



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**Miranda Milwee**

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Thursday, April 25, 2024 1:27 PM  
**To:** Raley, Jim  
**Cc:** Miranda Milwee; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD  
**Subject:** (Final Extension) - WPX - NAPP2333850967 CLAWHAMMER 33-28-21 FED COM 412H

RE: Incident #**NAPP2333850967**

Jim,

Your request for a 90 day extension to **July 24th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



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**From:** Raley, Jim <Jim.Raley@dvn.com>  
**Sent:** Thursday, April 25, 2024 1:14 PM  
**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Miranda Milwee <MilweeM@carmonaresources.com>  
**Subject:** [EXTERNAL] WPX Energy Extension Request -- Clawhammer nAPP2333850967

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

Robert,  
WPX Energy requests a 90 day extension for incident nAPP2333850967 (Clawhammer 33-28-21 Federal #421H, 30-015-49831), for the following reasons.

- Lack of groundwater data in the area required us to drill a DTW well to determine the appropriate remediation criteria. Scheduling the rig, applying for permits took longer than expected, but has been completed.
- We have scheduled excavation for the impacted soils and are currently scheduled to begin with the next 14 days. We will not be able to deliver a closure report within the current deadline of May 7<sup>th</sup>, 2024.

Please let me know if you need any additional information.

Jim Raley | Environmental Professional - Permian Basin

5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | [jim.raley@dmn.com](mailto:jim.raley@dmn.com)



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## Miranda Milwee

---

**From:** Miranda Milwee  
**Sent:** Thursday, May 9, 2024 12:00 PM  
**To:** OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>  
**Cc:** jim.raley@dmv.com; Mike Carmona; Conner Moehring; Devin Dominguez; Clint Merritt  
**Subject:** Devon - Clawhammer 33-28-21 Fed Com #412H Sampling Notification

All,

This email serves as a notification for sampling at the site referenced below. The notification will be submitted through the NMOCD portal as well.

Devon – Clawhammer 33-28-21 Fed Com #412H  
Eddy County, New Mexico

Sampling Day – Monday – 05/13/2024

Time – 1:00 PM Mountain Time

Square Feet ~ 5,400

The approximate total number of samples is ~ 33

Sampler Information: Miranda Milwee 432-813-9652

GPS Coordinates: 32.000941, -103.889366

Incident Number: nAPP2333850967

Driving Directions: From the intersection of NM-128 and Orla Rd trvl S on Orla Rd for 10.41 mi, trn R onto Pipeline Rd trvl W for 9.80 mi trn L and trvl S on Unnamed Lease Rd for 4.06 mi. Trn R on Unnamed Lease Rd, trvl W for 2.84 mi. Trn L on Unnamed Lease Rd and trvl S for 0.32 mi

Please feel free to reach out if you have any questions or need any additional information.

Thank you,

Miranda Milwee  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-9652  
[MilweeM@carmonaresources.com](mailto:MilweeM@carmonaresources.com)

CARMONA RESOURCES



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS  
  
Action 343367

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 343367
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333850967
Incident Name	NAPP2333850967 CLAWHAMMER 33-28-21 FED COM 412H @ 30-015-49831
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-49831] CLAWHAMMER 33 28 21 FEDERAL COM #412H

Location of Release Source	
Site Name	Clawhammer 33-28-21 FED COM 412H
Date Release Discovered	11/21/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,400
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2024
Time sampling will commence	01:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Miranda Milwee 432-813-9652
Please provide any information necessary for navigation to sampling site	From the intersection of NM-128 and Orla Rd trvl S on Orla Rd for 10.41 mi, trn R onto Pipeline Rd trvl W for 9.80 mi trn L and trvl S on Unnamed Lease Rd for 4.06 mi. Trn R on Unnamed Lease Rd, trvl W for 2.84 mi. Trn L on Unnamed Lease Rd and trvl S for 0.32 mi



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Oil Conservation Division  
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Santa Fe, NM 87505

CONDITIONS

Action 343367

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 343367
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/13/2024

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

QUESTIONS

Action 343370

**QUESTIONS**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 343370
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2333850967
Incident Name	NAPP2333850967 CLAWHAMMER 33-28-21 FED COM 412H @ 30-015-49831
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-49831] CLAWHAMMER 33 28 21 FEDERAL COM #412H

**Location of Release Source**

Site Name	Clawhammer 33-28-21 FED COM 412H
Date Release Discovered	11/21/2023
Surface Owner	Federal

**Sampling Event General Information***Please answer all the questions in this group.*

What is the sampling surface area in square feet	5,400
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Miranda Milwee 432-813-9652
Please provide any information necessary for navigation to sampling site	From the intersection of NM-128 and Orla Rd trvl S on Orla Rd for 10.41 mi, trn R onto Pipeline Rd trvl W for 9.80 mi trn L and trvl S on Unnamed Lease Rd for 4.06 mi. Trn R on Unnamed Lease Rd, trvl W for 2.84 mi. Trn L on Unnamed Lease Rd and trvl S for 0.32 mi

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

CONDITIONS

Action 343370

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 343370
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/13/2024

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:  \_\_\_\_\_ Date: 6/5/2024

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## APPENDIX D

CARMONA RESOURCES



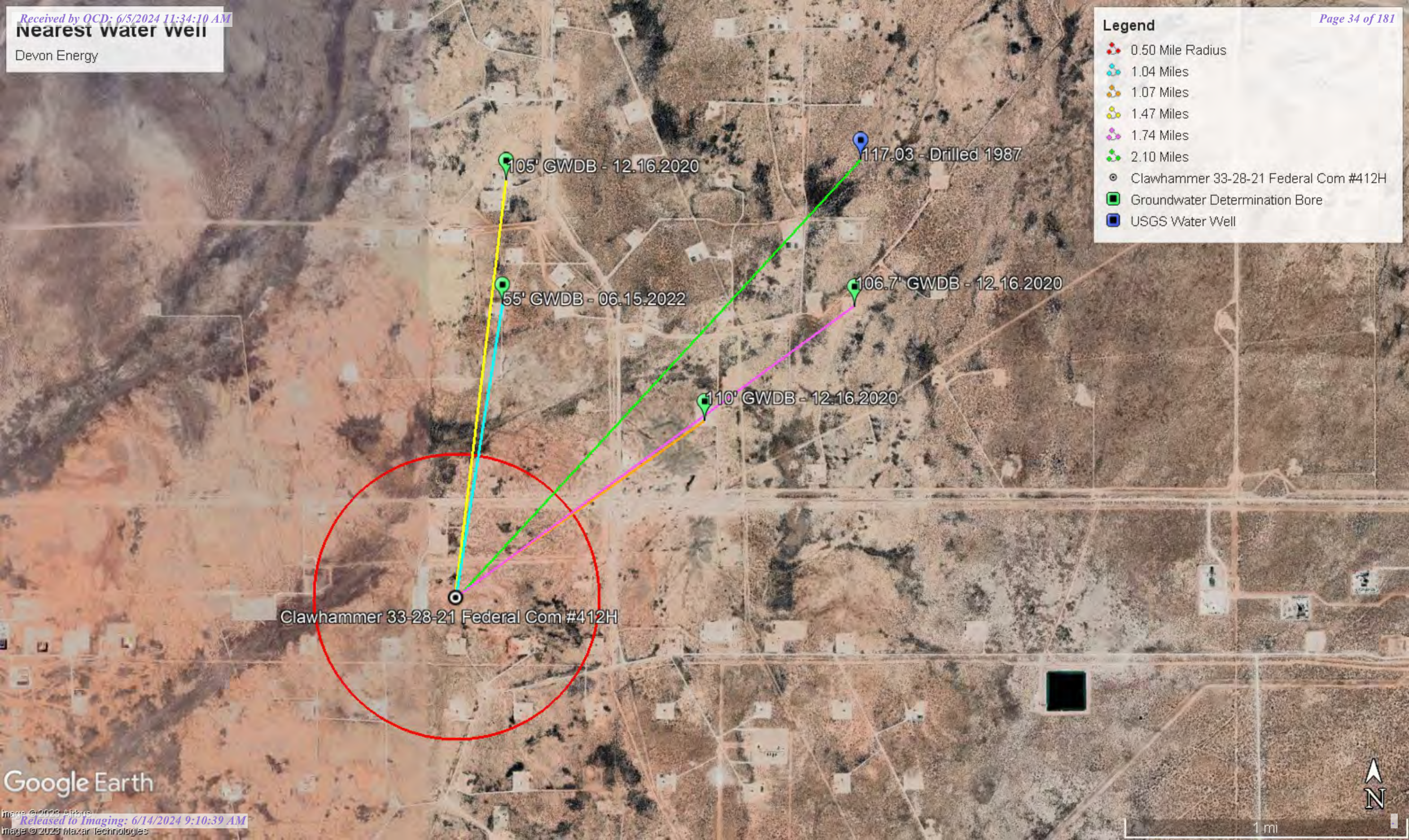


Nearest water well

Devon Energy

**Legend**

- 0.50 Mile Radius
- 1.04 Miles
- 1.07 Miles
- 1.47 Miles
- 1.74 Miles
- 2.10 Miles
- Clawhammer 33-28-21 Federal Com #412H
- Groundwater Determination Bore
- USGS Water Well



Clawhammer 33-28-21 Federal Com #412H

Google Earth

1 mi

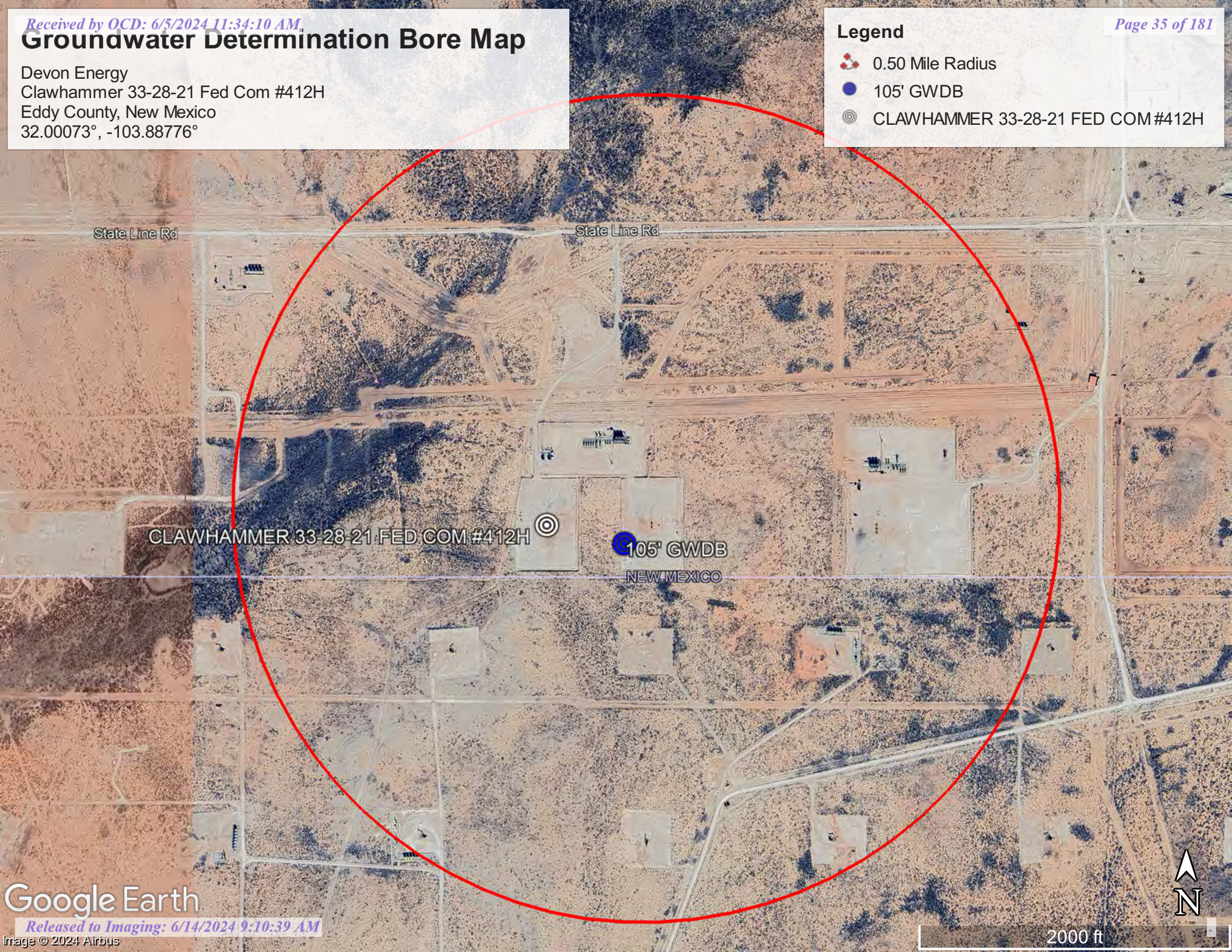


# Groundwater Determination Bore Map

Devon Energy  
Clawhammer 33-28-21 Fed Com #412H  
Eddy County, New Mexico  
32.00073°, -103.88776°

## Legend

- 0.50 Mile Radius
- 105' GWDB
- CLAWHAMMER 33-28-21 FED COM #412H



CLAWHAMMER 33-28-21 FED COM #412H



105' GWDB  
NEW MEXICO





Medium Karst

Devon Energy

Legend

- Clawhammer 33-28-21 Federal Com #412H
- High
- Medium

Clawhammer 33-28-21 Federal Com #412H

Google Earth

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
<a href="#">C 04625 POD1</a>	CUB	ED	1	3	2	28	26S	30E	605340	3542781		1670	55		
<a href="#">C 04629 POD1</a>	CUB	ED	4	3	4	21	26S	30E	605381	3543462		2350			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 605098

**Northing (Y):** 3541129

**Radius:** 4000

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.

11/22/23 6:46 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S) C-04802 Pod 1			
	WELL OWNER NAME(S) Devon Energy Co. (Agent-Conner Moerhing)				PHONE (OPTIONAL) 432-813-6823			
	WELL OWNER MAILING ADDRESS 310 W. Wall St., Ste. 500				CITY Midland	STATE TX	ZIP 79701	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 00	SECONDS 2.71	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	53	15.98	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2-14-24		DRILLING ENDED 2-14-24		DEPTH OF COMPLETED WELL (FT) 105'		BORE HOLE DEPTH (FT) 105'	
					DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		DATE STATIC MEASURED 2-23-24
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	105'	4"	no casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

#### 4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

REC'D 6/8/2022 #16-18

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4625			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 0	SECONDS 58.53	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	53	4.54	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW SW NE Sec.28 T26S R30S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/15/2022		DRILLING ENDED 6/15/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	
	DEPTH WATER FIRST ENCOUNTERED (FT) n/a							
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DATE STATIC MEASURED 6/15/22, 7/12/22							
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <b>C-04625</b>	POD NO. <b>1</b>	TRN NO. <b>726170</b>
LOCATION <b>26S.30E.28.1.3.2</b>	WELL TAG ID NO. <b>—</b>	PAGE 1 OF 2

#### 4. HYDROGEOLOGIC LOG OF WELL.

## 5. TEST: RIG SUPERVISION

## 6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-04625	POD NO. 1	TRN NO. 726170	
LOCATION 265.30E.28.13.7	WELL TAG ID NO. —	PAGE 2 OF 2	



2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

August 4, 2022

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-4625 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4625 Pod1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,


A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive, flowing style.


Lucas Middleton

Enclosures: as noted above


RECEIVED AUG 8 2022 PM 1:00



 <b>HRL COMPLIANCE SOLUTIONS</b>		BORING LOG/MONITORING WELL COMPLETION DIAGRAM												
		Boring/Well Number: MW-1					Location: Ross Draw Unit #57							
Date: 12/9/2020					Client: WPX Energy									
Logged By: J. Linn, PG					Drilled By: Talon LPE									
Gravel Pack Type: 10/20 Sand		Gravel Pack Depth Interval: 3 Bags		Seal Type: None		Seal Depth Interval: None		Latitude: 32.01032						
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-105 feet bgs		Boring Total Depth (ft. BGS): 110		Longitude: -103.87246						
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 105-110 ft		Well Total Depth (ft. BGS): 110		Depth to Water (ft. BTOC): > 110		DTW Date: 12/16/2020		
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Slaming	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion		
0	NM	L/M	D	N	N	NM	SM	NS	Tan/pale orange/pale brown poorly graded fine sand					
5														
10														
15														
20														
25														
30														
35	NM	M	D	N	N	NM	SW	NS	Hard, dry pale pink orange well graded sand with gravel					
40														
45														
50	NM	M	D	N	N	NM	SM	NS	Pale orange red tan silty fine sand					
55														
60	NM	L	D	N	N	NM	SW	NS	Dark brown greyish well graded sand					
65														
70	NM	L/M	D to SL M	N	N	NM	SW	NS	Grey well graded sand					
75														
80														
85														
90														
95														
100	NM	L/M	D	N	N	NM	SM	NS	Tan/pale orange/pale brown poorly graded fine sand - TD 110' bgs					
105														

HRL COMPLIANCE SOLUTIONS							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring Well Number:		Location:				
							MW-1		RDX Federal Com 21-43				
Date:							12/9/2020		Client:				
							J. Linn, P.G.		WPX Energy				
Drilling Method:							Sampling Method:		Logged By:				
Air Rotary							None		Drilled By:				
									Talon LPE				
Gravel Pack Type:							Gravel Pack Depth Interval:		Seal Type:		Seal Depth Interval:	Latitude:	
10/20 Sand							3 Bags		None		None	32.022571	
Casing Type:							Diameter:	Depth Interval:		Boring Total Depth (ft. BGS):		Longitude:	
PVC							2-inch	0-100 feet bgs		110		-103.884371	
Screen Type:							Slot:	Diameter:	Depth Interval:		Well Total Depth (ft. BGS):	Depth to Water (ft. BTOW):	DTW Date:
PVC							0.010-inch	2-inch	100 - 105 ft		105	> 105	12/16/2020
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks		Well Completion		
0	NM	L	D	N	N	NM	SP	NS	Pale orange to tan poorly graded fine sand				
5													
10													
15													
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche				
25													
30													
35													
40	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand				
45													
50													
55													
60	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay				
65													
70													
75													
80	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay				
85													
90													
95													
100	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand				
105													
110	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring 110' BGS: Sand 110' - 105' BGS				
115													



 <b>COMPLIANCE SOLUTIONS</b>		Drilling Well Number: <b>MW-1</b>		Location: <b>Ross Draw Unit #55</b>	
		Date: <b>12/9/2020</b>		Client: <b>WPX Energy</b>	
Drilling Method: <b>Air Rotary</b>		Sampling Method: <b>None</b>		Logged By: <b>J. Linn, PG</b>	
Gravel Pack Type: <b>10/20 Sand</b>		Gravel Pack Depth Interval: <b>3 Bags</b>		Drilled By: <b>Talon LPE</b>	
Casing Type: <b>PVC</b>		Diameter: <b>2-inch</b>		Depth Interval: <b>0-101'7"</b>	
Screen Type: <b>PVC</b>		Slot: <b>0.010-inch</b>		Diameter: <b>2-inch</b>	
		Depth Interval: <b>101'7" - 106'7"</b>		Stratigraphic Total Depth (ft. BGS): <b>106'7"</b>	
				Geologic Total Depth (ft. BGS): <b>106'7"</b>	
				Latitude: <b>32.016165</b>	
				Longitude: <b>-103.86346</b>	
				Depth to Water (ft. BTWC): <b>&gt;106'7"</b>	
				DTW Date: <b>12/16/2020</b>	

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	pH (open)	USCS	Sample ID	Lithology/Remarks	Well Completion
0	NM	L	D	N	N	NM	SP	NS	Pale pink to buff colored poorly graded sand with minor silt	
5										
10										
15										
20	NM	L	D	N	N	NM	SW	NS	Pale tan orange well graded fine sand with minor medium and coarse sand	
25										
30										
35										
40	NM	L	D	N	N	NM	SP	NS	Pale orange brown poorly graded fine sand with minor gravel	
45										
50										
55										
60	NM	L	D	N	N	NM	SP	NS	Grey poorly graded fine sand with minor gravel	
65										
70										
75										
80	NM	L	D	N	N	NM	SP	NS	Darker grey poorly graded fine sand with minor silt and minor medium sand	
85										
90										
95										
100	NM	M	D	N	N	NM	SC	NS	Dark grey fine sand with moderate silt and clay - TD 106'7"	
106'7"										



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National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320125103514701

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

USGS 320125103514701 26S.30E.22.44124

Eddy County, New Mexico  
Latitude 32°01'25", Longitude 103°51'47" NAD27  
Land-surface elevation 3,044 feet above NGVD29  
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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
1987-10-21			D	62610	2926.97	NGVD29	1		S	
1987-10-21			D	62611	2928.54	NAVD88	1		S	
1987-10-21			D	72019	117.03		1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
<a href="#">Parameter code</a>	<a href="#">62611</a>	<a href="#">Groundwater level above NAVD 1988, feet</a>
Parameter code	72019	Depth to water level, feet below land surface
<a href="#">Referenced vertical datum</a>	<a href="#">NAVD88</a>	<a href="#">North American Vertical Datum of 1988</a>
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
<a href="#">Status</a>	1	<a href="#">Static</a>
Method of measurement	S	Steel-tape measurement.

Section	Code	Description
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

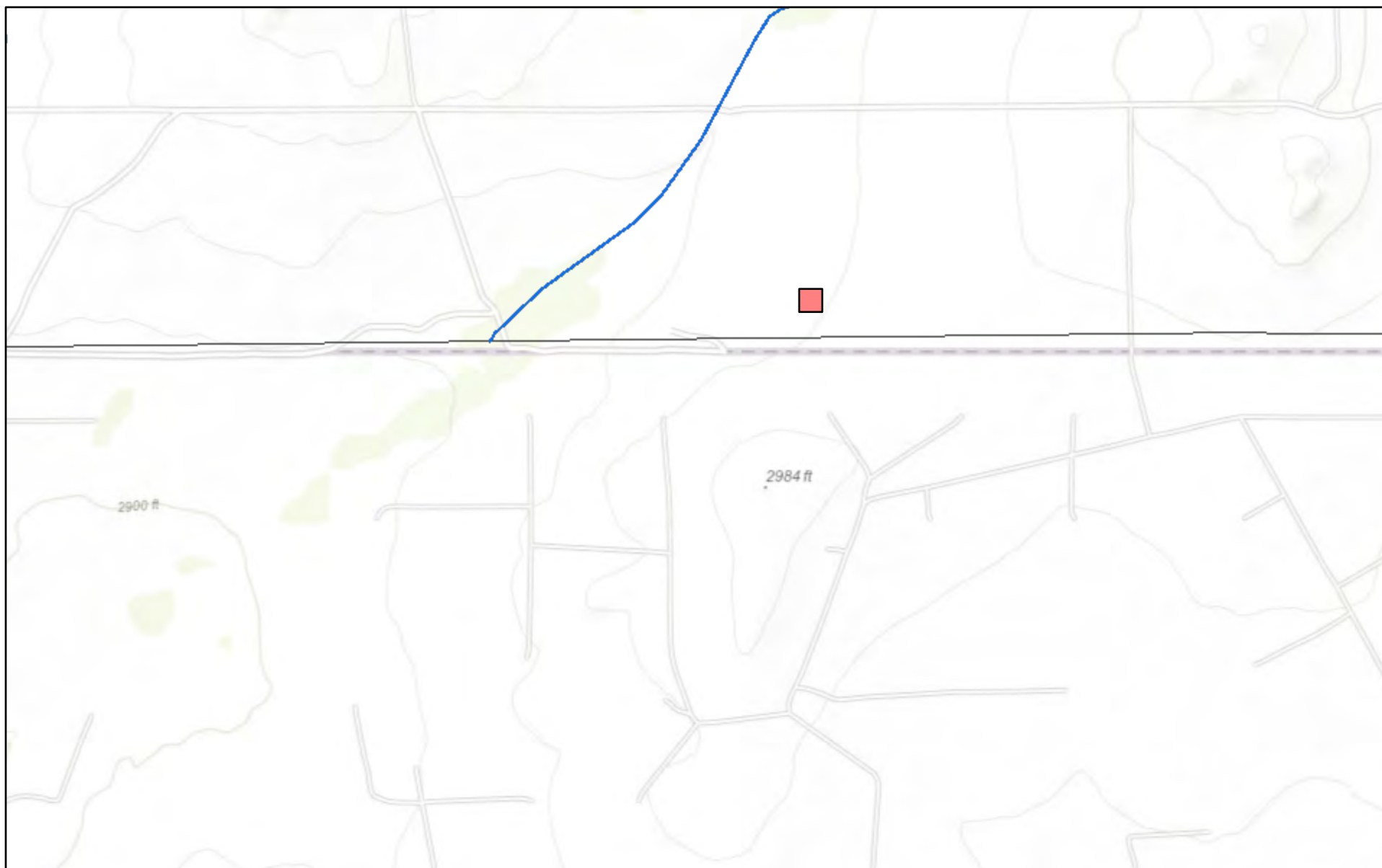
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**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

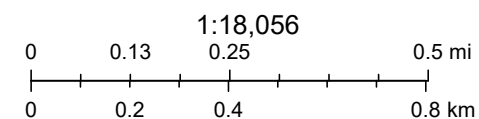


Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2023-11-22 08:48:02 EST  
0.28 0.24 nadww01

## New Mexico NFHL Data



November 21, 2023



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

[nmflood.org](http://nmflood.org) is made possible through a collaboration with NMDHSEM,

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## APPENDIX E

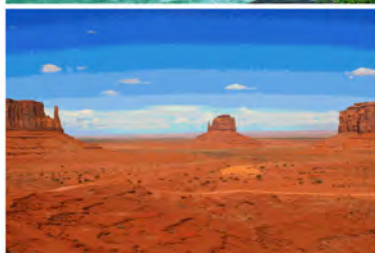
CARMONA RESOURCES





Report to:

Mike Carmona



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Carmona Resources

Project Name: Clawhammer 33-28-21 Federal  
Com #412H

Work Order: E403276

Job Number: 01058-0007

Received: 3/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/4/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/4/24



Mike Carmona  
310 West Wall St. Suite 415  
Midland, TX 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Workorder: E403276  
Date Received: 3/29/2024 7:15:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/29/2024 7:15:00AM, under the Project Name: Clawhammer 33-28-21 Federal Com #412H.

The analytical test results summarized in this report with the Project Name: Clawhammer 33-28-21 Federal Com #412H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
04/04/24 13:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 (0-1')	E403276-01A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-1 (1.5')	E403276-02A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-1 (2')	E403276-03A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-1 (3')	E403276-04A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-2 (0-1')	E403276-05A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-2 (1.5')	E403276-06A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-2 (2')	E403276-07A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-2 (3')	E403276-08A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-2 (4')	E403276-09A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (0-1')	E403276-10A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (1.5')	E403276-11A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (2')	E403276-12A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (3')	E403276-13A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (4')	E403276-14A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (5')	E403276-15A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-3 (6')	E403276-16A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-4 (0-1')	E403276-17A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-4 (1.5')	E403276-18A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-4 (2')	E403276-19A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-4 (3')	E403276-20A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-4 (4')	E403276-21A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-5 (0-1')	E403276-22A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-5 (1.5')	E403276-23A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-5 (2')	E403276-24A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.
S-5 (3')	E403276-25A	Soil	03/22/24	03/29/24	Glass Jar, 2 oz.





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
---	--	---------------------------------

S1 (0-1')

E403276-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	89.6 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	10600	400	20	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
---	--	---------------------------------

S-1 (1.5')

E403276-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	4940	200	10	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-1 (2')  
E403276-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	113	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	71.9	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	92.2 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	13200	400	20	03/29/24	03/29/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
4/4/2024 1:38:51PM

## S-1 (3')

E403276-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	ND	20.0	1	03/29/24	03/30/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-2 (0-1')

E403276-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	91.4 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	697	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	176	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	91.5 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	12800	400	20	03/29/24	03/30/24	



Sample Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	<b>Reported:</b> 4/4/2024 1:38:51PM
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	

S-2 (1.5')

E403276-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	90.7 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	9700	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-2 (2')  
E403276-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	27.4	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	90.3 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	3520	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-2 (3')  
E403276-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	9250	200	10	03/29/24	03/30/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-2 (4')  
E403276-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	89.6 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	ND	20.0	1	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (0-1')

E403276-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/01/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/01/24	
Toluene	ND	0.0250	1	03/29/24	04/01/24	
o-Xylene	ND	0.0250	1	03/29/24	04/01/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/01/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/01/24	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		03/29/24	04/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		03/29/24	04/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	56.7	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	56.2	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	89.6 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	10200	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (1.5')

E403276-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	90.6 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	9390	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (2')  
E403276-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	88.9 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	8140	200	10	03/29/24	03/30/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (3')  
E403276-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	89.3 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	7590	200	10	03/29/24	03/30/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
4/4/2024 1:38:51PM

## S-3 (4')

E403276-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	88.1 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	4450	40.0	2	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (5')  
E403276-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	2730	40.0	2	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-3 (6')  
E403276-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	95.3 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	ND	20.0	1	03/29/24	03/30/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-4 (0-1')

E403276-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	0.0515	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	0.110	0.0500	1	03/29/24	04/02/24	
Total Xylenes	0.161	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	99.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2413115	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414005	
Diesel Range Organics (C10-C28)	3050	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	845	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	97.8 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413124	
Chloride	14700	400	20	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-4 (1.5')

E403276-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	100	25.0	1	04/01/24	04/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/03/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		04/01/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	7810	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-4 (2')  
E403276-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/03/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/03/24	
Toluene	ND	0.0250	1	03/29/24	04/03/24	
o-Xylene	ND	0.0250	1	03/29/24	04/03/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/03/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		03/29/24	04/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		03/29/24	04/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	178	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	61.2	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	90.9 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	8050	200	10	03/29/24	03/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-4 (3')  
E403276-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Benzene	ND	0.0250	1	03/29/24	04/03/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/03/24	
Toluene	ND	0.0250	1	03/29/24	04/03/24	
o-Xylene	ND	0.0250	1	03/29/24	04/03/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/03/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		03/29/24	04/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413115
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		03/29/24	04/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2414005
Diesel Range Organics (C10-C28)	792	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	611	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	94.8 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413124
Chloride	1660	40.0	2	03/29/24	03/30/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-4 (4')  
E403276-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/04/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/04/24	
Toluene	ND	0.0250	1	03/29/24	04/04/24	
o-Xylene	ND	0.0250	1	03/29/24	04/04/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/04/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/04/24	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		03/29/24	04/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		03/29/24	04/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414020	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/02/24	04/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/02/24	04/03/24	
Surrogate: n-Nonane	79.5 %	50-200		04/02/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413125	
Chloride	95.8	20.0	1	03/29/24	03/29/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
4/4/2024 1:38:51PM

S-5 (0-1')

E403276-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414020	
Diesel Range Organics (C10-C28)	2440	25.0	1	04/02/24	04/03/24	
Oil Range Organics (C28-C36)	517	50.0	1	04/02/24	04/03/24	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		04/02/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413125	
Chloride	6660	200	10	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-5 (1.5')

E403276-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414020	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/02/24	04/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/02/24	04/03/24	
<i>Surrogate: n-Nonane</i>						
	78.4 %	50-200		04/02/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413125	
Chloride	744	20.0	1	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-5 (2')  
E403276-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.0 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414020	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/02/24	04/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/02/24	04/03/24	
Surrogate: n-Nonane	80.5 %	50-200		04/02/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2413125	
Chloride	562	20.0	1	03/29/24	03/29/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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S-5 (3')  
E403276-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414020	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/02/24	04/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/02/24	04/03/24	
<i>Surrogate: n-Nonane</i>						
	81.8 %	50-200		04/02/24	04/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2413125	
Chloride	ND	20.0	1	03/29/24	03/29/24	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported:  4/4/2024 1:38:51PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413115-BLK1)

Prepared: 03/29/24 Analyzed: 04/01/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

LCS (2413115-BS1)

Prepared: 03/29/24 Analyzed: 04/01/24

Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.92	0.0250	5.00		98.4	70-130			
Toluene	4.87	0.0250	5.00		97.5	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike (2413115-MS1)

Source: E403276-10

Prepared: 03/29/24 Analyzed: 04/01/24

Benzene	4.76	0.0250	5.00	ND	95.2	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.5	61-133			
Toluene	4.86	0.0250	5.00	ND	97.3	61-130			
o-Xylene	4.88	0.0250	5.00	ND	97.5	63-131			
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2413115-MSD1)

Source: E403276-10

Prepared: 03/29/24 Analyzed: 04/01/24

Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.826	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	1.48	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	1.28	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	63-131	1.45	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.51	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	1.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:38:51PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413116-BLK1)

Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

LCS (2413116-BS1)

Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.8	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.88	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

Matrix Spike (2413116-MS1)

Source: E403277-06

Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.79	0.0250	5.00	ND	95.7	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7	70-130			

Matrix Spike Dup (2413116-MSD1)

Source: E403277-06

Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.85	0.0250	5.00	ND	97.0	54-133	1.39	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	1.58	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	1.41	20	
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131	1.66	20	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131	1.55	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	1.59	20	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:38:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413115-BLK1) Prepared: 03/29/24 Analyzed: 04/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2413115-BS2) Prepared: 03/29/24 Analyzed: 04/01/24

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike (2413115-MS2) Source: E403276-10 Prepared: 03/29/24 Analyzed: 04/01/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2413115-MSD2) Source: E403276-10 Prepared: 03/29/24 Analyzed: 04/01/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130	0.00611	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			





QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported:  4/4/2024 1:38:51PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413116-BLK1) Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

LCS (2413116-BS2) Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike (2413116-MS2) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2413116-MSD2) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130	0.733	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:38:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2414005-BLK1) Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.2		50.0		92.5	50-200			

LCS (2414005-BS1) Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

Matrix Spike (2414005-MS1) Source: E403276-04 Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	48.1		50.0		96.3	50-200			

Matrix Spike Dup (2414005-MSD1) Source: E403276-04 Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	0.130	20	
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:38:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2414020-BLK1) Prepared: 04/02/24 Analyzed: 04/03/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.6		50.0		79.2	50-200			

LCS (2414020-BS1) Prepared: 04/02/24 Analyzed: 04/03/24

Diesel Range Organics (C10-C28)	245	25.0	250		98.2	38-132			
Surrogate: n-Nonane	42.4		50.0		84.8	50-200			

Matrix Spike (2414020-MS1) Source: E403268-04 Prepared: 04/02/24 Analyzed: 04/03/24

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			

Matrix Spike Dup (2414020-MSD1) Source: E403268-04 Prepared: 04/02/24 Analyzed: 04/03/24

Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	1.63	20	
Surrogate: n-Nonane	43.0		50.0		85.9	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:38:51PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2413124-BLK1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	ND	20.0							
LCS (2413124-BS1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2413124-MS1)					Source: E403276-03		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	14700	400	250	13200	607	80-120			M4
Matrix Spike Dup (2413124-MSD1)					Source: E403276-03		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	14900	400	250	13200	665	80-120	0.967	20	M4



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:38:51PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2413125-BLK1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	ND	20.0							
LCS (2413125-BS1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2413125-MS1)					Source: E403278-01		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	317	20.0	250	50.2	107	80-120			
Matrix Spike Dup (2413125-MSD1)					Source: E403278-01		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	298	20.0	250	50.2	99.3	80-120	5.94	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.





Definitions and Notes

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Mike Carmona	04/04/24 13:38

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Chain of Custody

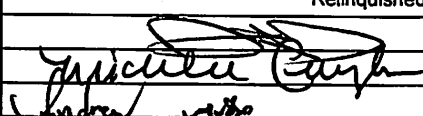
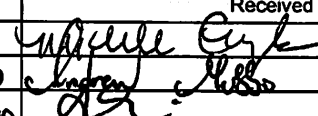
 Work Order No: E403276  
 Job # : 01058-0007
Page 1 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Jim Raley
Company Name:	Carmona Resources	Company Name:	Devon Energy
Address:	310 W Wall St Ste 500	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad NM, 88220
Phone:	(432) 813-1992	Email:	jim.raley@devon.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"/> 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:	Clawhammer 33-28-21 Federal Com #412H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	2199		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																None: NO DI Water: H <sub>2</sub> O	
Project Location	Eddy County, New Mexico		Due Date:																				Cool: Cool MeOH: Me	
Sampler's Name:	MM																						HCL: HC HNO <sub>3</sub> : HN	
PO #:	25AP 7/22																					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes No	Wet Ice:	(Yes) No																	H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:			(Yes) No	Thermometer ID:																			NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:			Yes No	Correction Factor:																			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:			Yes No	Temperature Reading:		4																	Zn Acetate+NaOH: Zn	
Total Containers:			25	Corrected Temperature:																			NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
S-1 (0-1')		3/22/2024	X		G	1	x	x	x															
S-1 (1.5')		3/22/2024	X		G	1	x	x	x															
S-1 (2')		3/22/2024	X		G	1	x	x	x															
S-1 (3')		3/22/2024	X		G	1	x	x	x															
S-2 (0-1')		3/22/2024	X		G	1	x	x	x															
S-2 (1.5')		3/22/2024	X		G	1	x	x	x															
S-2 (2')		3/22/2024	X		G	1	x	x	x															
S-2 (3')		3/22/2024	X		G	1	x	x	x															
S-2 (4')		3/22/2024	X		G	1	x	x	x															
S-3 (0-1')		3/22/2024	X		G	1	x	x	x															

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/28/24 1100		3-28-24 1100
	3-28-24-1700		3-28-24 1915
	3-28-24 2400		3/29/24 0715

## Chain of Custody

Work Order No: E403276  
 Job #: 01058-0001


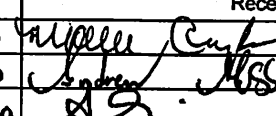
Page 2 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Jim Raley
Company Name:	Carmona Resources	Company Name:	Devon Energy
Address:	310 W Wall St Ste 500	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad NM, 88220
Phone:	(432) 813-1992	Email:	jim.raley@devon.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: <input type="checkbox"/>

Project Name:	Clawhammer 33-28-21 Federal Com #412H		Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number:	2199		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code													None: NO DI Water: H <sub>2</sub> O			
Project Location	Eddy County, New Mexico		Due Date:		Parameters													Cool: Cool MeOH: Me			
Sampler's Name:	MM																	HCL: HC HNO <sub>3</sub> : HN			
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:		Yes No													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes No	Thermometer ID:																NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:	Yes No	Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:	Yes No	Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:	25	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date		Soil	Water	Grab/Comp	# of Cont													Sample Comments		
S-3 (1.5')	3/22/2024		X		G	1	x	x	x												
S-3 (2')	3/22/2024		X		G	1	x	x	x												
S-3 (3')	3/22/2024		X		G	1	x	x	x												
S-3 (4')	3/22/2024		X		G	1	x	x	x												
S-3 (5')	3/22/2024		X		G	1	x	x	x												
S-3 (6')	3/22/2024		X		G	1	x	x	x												
S-4 (0-1')	3/22/2024		X		G	1	x	x	x												
S-4 (1.5')	3/22/2024		X		G	1	x	x	x												
S-4 (2')	3/22/2024		X		G	1	x	x	x												
S-4 (3')	3/22/2024		X		G	1	x	x	x												

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







Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/28/24 1100		3-28-24 1100
	3-28-24 1700		3-28-24 1915
	3-28-24 2400		3/29/24 0715

Work Order No: E 403 276  
Job #: 01050-0007

<b>Project Manager:</b>	Mike Carmona	<b>Bill to: (if different)</b>	Jim Raley
<b>Company Name:</b>	Carmona Resources	<b>Company Name:</b>	Devon Energy
<b>Address:</b>	310 W Wall St Ste 500	<b>Address:</b>	5315 Buena Vista Dr
<b>City, State ZIP:</b>	Midland, TX 79701	<b>City, State ZIP:</b>	Carlsbad NM, 88220
<b>Phone:</b>	(432) 813-1992	<b>Email:</b>	jim.raley@dvn.com

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

[illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/28/24 1100		3-28-24 1100
	3-28-24 1700		3-28-24 1915
	3-28-24 2400		3/29/24 0715

## Envirotech Analytical Laboratory

Printed: 3/29/2024 2:06:57PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Carmona Resources  
 Phone: (432) 813-6823  
 Email: mcarmona@carmonaresources.com

Date Received: 03/29/24 07:15  
 Date Logged In: 03/28/24 16:33  
 Due Date: 04/04/24 17:00 (4 day TAT)

Work Order ID: E403276  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled was not documented on COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
  8. If yes, was cooler received in good condition? Yes
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

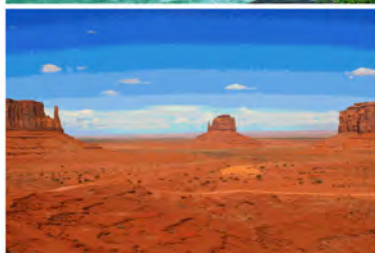


envirotech Inc.



Report to:

Mike Carmona



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Carmona Resources

Project Name: Clawhammer 33-28-21 Federal  
Com #412H

Work Order: E403277

Job Number: 01058-0007

Received: 3/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/4/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/4/24



Mike Carmona  
310 West Wall St. Suite 415  
Midland, TX 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Workorder: E403277  
Date Received: 3/29/2024 7:15:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/29/2024 7:15:00AM, under the Project Name: Clawhammer 33-28-21 Federal Com #412H.

The analytical test results summarized in this report with the Project Name: Clawhammer 33-28-21 Federal Com #412H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
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**Lynn Jarboe**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:  04/04/24 13:36
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H-1 (0.0.5')	E403277-01A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.
H-2 (0.0.5')	E403277-02A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.
H-3 (0.0.5')	E403277-03A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.
H-4 (0.0.5')	E403277-04A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.
H-5 (0.0.5')	E403277-05A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.
H-6 (0.0.5')	E403277-06A	Soil	03/22/24	03/29/24	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-1 (0.0.5')  
E403277-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	80.1 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	ND	20.0	1	03/29/24	03/29/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-2 (0.05')  
E403277-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	78.9 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	96.2	20.0	1	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-3 (0.05')  
E403277-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	78.8 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	ND	20.0	1	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-4 (0.05')  
E403277-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	75.5 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	ND	20.0	1	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-5 (0.05')  
E403277-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
<i>Surrogate: n-Nonane</i>						
	82.1 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	ND	20.0	1	03/29/24	03/29/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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H-6 (0.05')  
E403277-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Benzene	ND	0.0250	1	03/29/24	04/02/24	
Ethylbenzene	ND	0.0250	1	03/29/24	04/02/24	
Toluene	ND	0.0250	1	03/29/24	04/02/24	
o-Xylene	ND	0.0250	1	03/29/24	04/02/24	
p,m-Xylene	ND	0.0500	1	03/29/24	04/02/24	
Total Xylenes	ND	0.0250	1	03/29/24	04/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2413116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	04/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		03/29/24	04/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2414004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane	79.5 %	50-200		04/01/24	04/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2413122	
Chloride	ND	20.0	1	03/29/24	03/29/24	





QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 4/4/2024 1:36:46PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413116-BLK1) Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

LCS (2413116-BS1) Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.8	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.88	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

Matrix Spike (2413116-MS1) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.79	0.0250	5.00	ND	95.7	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.9	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7	70-130			

Matrix Spike Dup (2413116-MSD1) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Benzene	4.85	0.0250	5.00	ND	97.0	54-133	1.39	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	1.58	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	1.41	20	
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131	1.66	20	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131	1.55	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	1.59	20	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:36:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413116-BLK1) Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

LCS (2413116-BS2) Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike (2413116-MS2) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2413116-MSD2) Source: E403277-06 Prepared: 03/29/24 Analyzed: 04/02/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130	0.733	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:36:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2414004-BLK1) Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.3		50.0		78.6	50-200			

LCS (2414004-BS1) Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	40.9		50.0		81.8	50-200			

Matrix Spike (2414004-MS1) Source: E403277-06 Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	39.0		50.0		78.0	50-200			

Matrix Spike Dup (2414004-MSD1) Source: E403277-06 Prepared: 04/01/24 Analyzed: 04/02/24

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.4	38-132	1.35	20	
Surrogate: n-Nonane	39.3		50.0		78.6	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	4/4/2024 1:36:46PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2413122-BLK1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	ND	20.0							
LCS (2413122-BS1)					Prepared: 03/29/24 Analyzed: 03/29/24				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2413122-MS1)					Source: E403275-05		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	371	20.0	250	88.8	113	80-120			
Matrix Spike Dup (2413122-MSD1)					Source: E403275-05		Prepared: 03/29/24 Analyzed: 03/29/24		
Chloride	370	20.0	250	88.8	112	80-120	0.300	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Mike Carmona	04/04/24 13:36





- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Work Order No: E403277  
Job #: 01058-0007

<b>Project Manager:</b>	Mike Carmona	<b>Bill to: (if different)</b>	Jim Raley
<b>Company Name:</b>	Carmona Resources	<b>Company Name:</b>	Devon Energy
<b>Address:</b>	310 W Wall St Ste 500	<b>Address:</b>	5315 Buena Vista Dr
<b>City, State ZIP:</b>	Midland, TX 79701	<b>City, State ZIP:</b>	Carlsbad NM, 88220
<b>Phone:</b>	(432) 813-1992	<b>Email:</b>	jim.raley@dvn.com

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

[illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/28/24 1100		3-28-24 1100
	3-28-24- 1700		3-28-24 1915
	3-28-24 2400		3/29/24 0715



## Envirotech Analytical Laboratory

Printed: 3/29/2024 1:09:10PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	03/29/24 07:15	Work Order ID:	E403277
Phone:	(432) 813-6823	Date Logged In:	03/28/24 16:41	Logged In By:	Alexa Michaels
Email:	mcarmona@carmonaresources.com	Due Date:	04/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time Sampled was not documented on COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Mike Carmona



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Carmona Resources

Project Name: Clawhammer 33-28-21 Federal  
Com #412H

Work Order: E405266

Job Number: 01058-0007

Received: 5/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/29/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/29/24

Mike Carmona  
310 West Wall St. Suite 415  
Midland, TX 79701



Project Name: Clawhammer 33-28-21 Federal Com #412H  
Workorder: E405266  
Date Received: 5/20/2024 9:30:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2024 9:30:00AM, under the Project Name: Clawhammer 33-28-21 Federal Com #412H.

The analytical test results summarized in this report with the Project Name: Clawhammer 33-28-21 Federal Com #412H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name:	Clawhammer 33-28-21 Federal Com #412H	
	Project Number:	01058-0007	Reported:
	Project Manager:	Mike Carmona	05/29/24 14:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 (1.5')	E405266-01A	Soil	05/13/24	05/20/24	Glass Jar, 4 oz.
CS-2 (1.5')	E405266-02A	Soil	05/13/24	05/20/24	Glass Jar, 4 oz.
CS-3 (1.5')	E405266-03A	Soil	05/13/24	05/20/24	Glass Jar, 4 oz.
CS-4 (1.5')	E405266-04A	Soil	05/13/24	05/20/24	Glass Jar, 4 oz.
CS-5 (1.5')	E405266-05A	Soil	05/13/24	05/20/24	Glass Jar, 4 oz.



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/29/2024 2:00:46PM

## CS-1 (1.5')

## E405266-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421112
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421112
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		106 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		101 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	7390	200	10	05/23/24	05/23/24	





## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/29/2024 2:00:46PM

## CS-2 (1.5')

## E405266-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	89.6 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	106 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	89.6 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	106 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	101 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	7000	200	10	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/29/2024 2:00:46PM
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CS-3 (1.5')  
E405266-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	87.6 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	105 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	108 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	87.6 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	105 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	109 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	5040	200	10	05/23/24	05/23/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/29/2024 2:00:46PM

## CS-4 (1.5')

## E405266-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	87.8 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	107 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	87.8 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	107 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	111 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	4350	40.0	2	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/29/2024 2:00:46PM
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CS-5 (1.5')  
E405266-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	112 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	104 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	112 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	104 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421101	
Diesel Range Organics (C10-C28)	70.9	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	58.2	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	100 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	3150	40.0	2	05/23/24	05/23/24	



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/29/2024 2:00:46PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421112-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2421112-BS1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	2.26	0.0250	2.50		90.4	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.18	0.0500	5.00		104	70-130			
Total Xylenes	7.78	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS Dup (2421112-BSD1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	2.28	0.0250	2.50		91.1	70-130	0.705	23	
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130	1.21	27	
Toluene	2.44	0.0250	2.50		97.6	70-130	2.71	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	0.689	27	
p,m-Xylene	5.18	0.0500	5.00		104	70-130	0.106	27	
Total Xylenes	7.80	0.0250	7.50		104	70-130	0.302	27	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		92.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/29/2024 2:00:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421112-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2421112-BS2) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS Dup (2421112-BSD2) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130	2.09	20	
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			





QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/29/2024 2:00:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421101-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.4		50.0		113	50-200			

LCS (2421101-BS1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	57.6		50.0		115	50-200			

LCS Dup (2421101-BSD1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132	0.657	20	
Surrogate: n-Nonane	57.5		50.0		115	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/29/2024 2:00:46PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421109-BLK1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	ND	20.0							
LCS (2421109-BS1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	248	20.0	250		99.3	90-110			
LCS Dup (2421109-BSD1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	251	20.0	250		100	90-110	1.15	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes



Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Mike Carmona	05/29/24 14:00

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/17 1400		5/18/16 1430
			5/20/24 0930

## Envirotech Analytical Laboratory

Printed: 5/24/2024 1:24:31PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	05/20/24 09:30	Work Order ID:	E405266
Phone:	(432) 813-6823	Date Logged In:	05/20/24 09:45	Logged In By:	Angelina Pineda
Email:	mcarmona@carmonaresources.com	Due Date:	05/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

No. of containers and Time Sampled not documented on COC by client

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:

Mike Carmona



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Carmona Resources

Project Name: Clawhammer 33-28-21 Federal  
Com #412H

Work Order: E405267

Job Number: 01058-0007

Received: 5/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/30/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 5/30/24



Mike Carmona  
310 West Wall St. Suite 415  
Midland, TX 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Workorder: E405267  
Date Received: 5/20/2024 9:30:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2024 9:30:00AM, under the Project Name: Clawhammer 33-28-21 Federal Com #412H.

The analytical test results summarized in this report with the Project Name: Clawhammer 33-28-21 Federal Com #412H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
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**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
05/30/24 13:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-6 (1.5')	E405267-01A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-7 (1.5')	E405267-02A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-8 (1.5')	E405267-03A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-9 (1.5')	E405267-04A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-10 (1.5')	E405267-05A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-11 (1.5')	E405267-06A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-12 (1.5')	E405267-07A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-13 (1.5')	E405267-08A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-14 (1.5')	E405267-09A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-15 (1.5')	E405267-10A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-16 (1.5')	E405267-11A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-17 (1.5')	E405267-12A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-18 (1.5')	E405267-13A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-19 (1.5')	E405267-14A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-20 (1.5')	E405267-15A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-21 (0.5')	E405267-16A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
CS-22 (0.5')	E405267-17A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-1 (1.5')	E405267-18A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-2 (1.5')	E405267-19A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-3 (1.5')	E405267-20A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-4 (1.5')	E405267-21A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-5 (1.5')	E405267-22A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-6 (1.0')	E405267-23A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-7 (1.0')	E405267-24A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-8 (1.0')	E405267-25A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-9 (1.0')	E405267-26A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-10 (1.0')	E405267-27A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-11 (1.0')	E405267-28A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-12 (1.0')	E405267-29A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.
SW-13 (1.0')	E405267-30A	Soil	05/15/24	05/20/24	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-6 (1.5')  
E405267-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		114 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	594	20.0	1	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-7 (1.5')  
E405267-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		117 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	335	20.0	1	05/23/24	05/23/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-8 (1.5')  
E405267-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	28.6	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		109 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	2400	20.0	1	05/23/24	05/23/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/30/2024 1:21:30PM

## CS-9 (1.5')

## E405267-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		143 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	6690	200	10	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-10 (1.5')  
E405267-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		122 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	7680	200	10	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-11 (1.5')  
E405267-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	113 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	3190	100	5	05/23/24	05/23/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-12 (1.5')  
E405267-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		109 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	707	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-13 (1.5')  
E405267-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		113 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	477	20.0	1	05/23/24	05/24/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-14 (1.5')  
E405267-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		107 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	574	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-15 (1.5')  
E405267-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		110 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	288	20.0	1	05/23/24	05/24/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/30/2024 1:21:30PM

## CS-16 (1.5')

## E405267-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		100 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		114 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	454	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-17 (1.5')  
E405267-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		118 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	468	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-18 (1.5')  
E405267-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		112 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	409	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-19 (1.5')  
E405267-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	109 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	291	20.0	1	05/23/24	05/24/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-20 (1.5')  
E405267-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	103 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	103 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	102 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	112 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	3510	40.0	2	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-21 (0.5')  
E405267-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		104 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	52.5	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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CS-22 (0.5')  
E405267-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		105 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	113	20.0	1	05/23/24	05/24/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/30/2024 1:21:30PM

## SW-1 (1.5')

E405267-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/23/24	05/26/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2421102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		115 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421099
Chloride	582	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-2 (1.5')  
E405267-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/26/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/26/24	
Toluene	ND	0.0250	1	05/23/24	05/26/24	
o-Xylene	ND	0.0250	1	05/23/24	05/26/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/26/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/26/24	
Surrogate: Bromofluorobenzene	104 %	70-130		05/23/24	05/26/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		05/23/24	05/26/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	113 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	53.9	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-3 (1.5')  
E405267-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Benzene	ND	0.0250	1	05/23/24	05/27/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/27/24	
Toluene	ND	0.0250	1	05/23/24	05/27/24	
o-Xylene	ND	0.0250	1	05/23/24	05/27/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/27/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/27/24	
Surrogate: Bromofluorobenzene	110 %	70-130		05/23/24	05/27/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		05/23/24	05/27/24	
Surrogate: Toluene-d8	107 %	70-130		05/23/24	05/27/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/27/24	
Surrogate: Bromofluorobenzene	110 %	70-130		05/23/24	05/27/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		05/23/24	05/27/24	
Surrogate: Toluene-d8	107 %	70-130		05/23/24	05/27/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2421102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	114 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421099	
Chloride	144	20.0	1	05/23/24	05/24/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-4 (1.5')  
E405267-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		112 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	293	100	5	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-5 (1.5')  
E405267-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene	107 %	70-130		05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		05/23/24	05/24/24	
Surrogate: Toluene-d8	104 %	70-130		05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene	107 %	70-130		05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		05/23/24	05/24/24	
Surrogate: Toluene-d8	104 %	70-130		05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2421105	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	108 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	347	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-6 (1.0')  
E405267-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		107 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	344	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-7 (1.0')  
E405267-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		111 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	470	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-8 (1.0')  
E405267-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		102 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		118 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	21.4	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-9 (1.0')  
E405267-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		05/23/24	05/24/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		05/23/24	05/24/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2421105	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane	118 %	50-200		05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	ND	20.0	1	05/23/24	05/24/24	





Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-10 (1.0')  
E405267-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/24/24	
Toluene	ND	0.0250	1	05/23/24	05/24/24	
o-Xylene	ND	0.0250	1	05/23/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		103 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/24/24	
Surrogate: Bromofluorobenzene		104 %	70-130	05/23/24	05/24/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	05/23/24	05/24/24	
Surrogate: Toluene-d8		103 %	70-130	05/23/24	05/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/26/24	
Surrogate: n-Nonane		167 %	50-200	05/23/24	05/26/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	563	20.0	1	05/23/24	05/24/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Clawhammer 33-28-21 Federal Com #412H Project Number: 01058-0007 Project Manager: Mike Carmona	Reported: 5/30/2024 1:21:30PM
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SW-11 (1.0')  
E405267-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Benzene	ND	0.0250	1	05/23/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/25/24	
Toluene	ND	0.0250	1	05/23/24	05/25/24	
o-Xylene	ND	0.0250	1	05/23/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		05/23/24	05/25/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		05/23/24	05/25/24	
Surrogate: Toluene-d8	101 %	70-130		05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2421105	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/28/24	
Surrogate: n-Nonane	99.8 %	50-200		05/23/24	05/28/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421109	
Chloride	281	20.0	1	05/23/24	05/24/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/30/2024 1:21:30PM

## SW-12 (1.0')

## E405267-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/25/24	
Toluene	ND	0.0250	1	05/23/24	05/25/24	
o-Xylene	ND	0.0250	1	05/23/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/23/24	05/25/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/23/24	05/25/24	
Surrogate: Toluene-d8		101 %	70-130	05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/27/24	
Surrogate: n-Nonane		107 %	50-200	05/23/24	05/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	478	20.0	1	05/23/24	05/24/24	



## Sample Data

Carmona Resources  
310 West Wall St. Suite 415  
Midland TX, 79701

Project Name: Clawhammer 33-28-21 Federal Com #412H  
Project Number: 01058-0007  
Project Manager: Mike Carmona

**Reported:**  
5/30/2024 1:21:30PM

## SW-13 (1.0')

E405267-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Benzene	ND	0.0250	1	05/23/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/23/24	05/25/24	
Toluene	ND	0.0250	1	05/23/24	05/25/24	
o-Xylene	ND	0.0250	1	05/23/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/23/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/23/24	05/25/24	
Surrogate: Toluene-d8		103 %	70-130	05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/24	05/25/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/23/24	05/25/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/23/24	05/25/24	
Surrogate: Toluene-d8		103 %	70-130	05/23/24	05/25/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2421105
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/24	05/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/24	05/27/24	
Surrogate: n-Nonane		120 %	50-200	05/23/24	05/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421109
Chloride	142	20.0	1	05/23/24	05/29/24	



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421114-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2421114-BS1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.66	0.0250	2.50		107	70-130			
p,m-Xylene	5.33	0.0500	5.00		107	70-130			
Total Xylenes	7.99	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS Dup (2421114-BSD1) Prepared: 05/23/24 Analyzed: 05/26/24

Benzene	2.51	0.0250	2.50		100	70-130	2.56	23	
Ethylbenzene	2.62	0.0250	2.50		105	70-130	0.837	27	
Toluene	2.50	0.0250	2.50		100	70-130	1.31	24	
o-Xylene	2.73	0.0250	2.50		109	70-130	2.39	27	
p,m-Xylene	5.44	0.0500	5.00		109	70-130	2.15	27	
Total Xylenes	8.17	0.0250	7.50		109	70-130	2.23	27	
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421119-BLK1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS (2421119-BS1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.74	0.0250	2.50		110	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.25	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS Dup (2421119-BSD1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Benzene	2.52	0.0250	2.50		101	70-130	1.62	23	
Ethylbenzene	2.67	0.0250	2.50		107	70-130	0.374	27	
Toluene	2.54	0.0250	2.50		102	70-130	0.296	24	
o-Xylene	2.71	0.0250	2.50		109	70-130	0.935	27	
p,m-Xylene	5.46	0.0500	5.00		109	70-130	0.884	27	
Total Xylenes	8.18	0.0250	7.50		109	70-130	0.901	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421114-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2421114-BS2) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.5	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS Dup (2421114-BSD2) Prepared: 05/23/24 Analyzed: 05/26/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130	0.837	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			





QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421119-BLK1) Prepared: 05/23/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS (2421119-BS2) Prepared: 05/23/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2421119-BSD2) Prepared: 05/23/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130	7.39	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421102-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			

LCS (2421102-BS1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	302	25.0	250		121	38-132			
Surrogate: n-Nonane	60.4		50.0		121	50-200			

LCS Dup (2421102-BSD1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	305	25.0	250		122	38-132	0.878	20	
Surrogate: n-Nonane	60.7		50.0		121	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421105-BLK1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

LCS (2421105-BS1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	58.6		50.0		117	50-200			

LCS Dup (2421105-BSD1) Prepared: 05/23/24 Analyzed: 05/26/24

Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132	0.723	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2421099-BLK1)					Prepared: 05/22/24 Analyzed: 05/23/24				
Chloride	ND	20.0							
LCS (2421099-BS1)					Prepared: 05/22/24 Analyzed: 05/23/24				
Chloride	272	20.0	250		109	90-110			
LCS Dup (2421099-BSD1)					Prepared: 05/22/24 Analyzed: 05/23/24				
Chloride	252	20.0	250		101	90-110	7.47	20	



QC Summary Data

Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Mike Carmona	5/30/2024 1:21:30PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421109-BLK1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	ND	20.0							
LCS (2421109-BS1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	248	20.0	250		99.3	90-110			
LCS Dup (2421109-BSD1)					Prepared: 05/23/24 Analyzed: 05/23/24				
Chloride	251	20.0	250		100	90-110	1.15	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes



Carmona Resources	Project Name:	Clawhammer 33-28-21 Federal Com #412H	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Mike Carmona	05/30/24 13:21

- ND Analyte NOT DETECTED at or above the reporting limit
  - NR Not Reported
  - RPD Relative Percent Difference
  - DNI Did Not Ignite
  - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



[illegible]

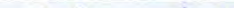


Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/17 1400		5/16 1630 5/20/24 0930



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:		

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			
	5/17 1400		5/16 1430
			5/20/24 0930



Work Order No: E 405267  
Job No: 01058-0007

Project Manager:	Mike Carmona	Bill to: (if different)	Jim Raley
Company Name:	Carmona Resources	Company Name:	Devon Energy
Address:	310 W Wall St Ste 500	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad NM, 88220
Phone:	(432) 813-1992	Email:	<a href="mailto:jim.raley@devon.com">jim.raley@devon.com</a>

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

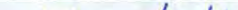



State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other: \_\_\_\_\_

[illegible]

Comments: Email to Mike Carmona / [Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com) and Conner Moehring / [Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			5/16 1630
	5/17 1400		5/20/24 0930

## Envirotech Analytical Laboratory

Printed: 5/23/2024 12:36:56PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	05/20/24 09:30	Work Order ID:	E405267
Phone:	(432) 813-6823	Date Logged In:	05/20/24 09:56	Logged In By:	Angelina Pineda
Email:	mcarmona@carmonaresources.com	Due Date:	05/24/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time Sampled was not documented on COC by client

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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

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

QUESTIONS  
  
Action 351035

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	351035
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333850967
Incident Name	NAPP2333850967 CLAWHAMMER 33-28-21 FED COM 412H @ 30-015-49831
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-49831] CLAWHAMMER 33 28 21 FEDERAL COM #412H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Clawhammer 33-28-21 FED COM 412H
Date Release Discovered	11/21/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Well   Produced Water   Released: 7 BBL   Recovered: 5 BBL   Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 351035

**QUESTIONS (continued)**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	351035
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 06/05/2024
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QUESTIONS, Page 3

Action 351035

**QUESTIONS (continued)**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	351035
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS****Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	14700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	3895
GRO+DRO	(EPA SW-846 Method 8015M)	3050
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.2
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/09/2024
On what date will (or did) the final sampling or liner inspection occur	05/02/2024
On what date will (or was) the remediation complete(d)	06/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	520
What is the estimated surface area (in square feet) that will be remediated	2000
What is the estimated volume (in cubic yards) that will be remediated	520

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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Action 351035

**QUESTIONS (continued)**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	351035
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	OWL Disposal
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 06/05/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.



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QUESTIONS, Page 5  
  
Action 351035

QUESTIONS (continued)

Operator:  WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
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	Action Number:
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Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 351035

**QUESTIONS (continued)**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	351035
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	343370
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2024
What was the (estimated) number of samples that were to be gathered	33
What was the sampling surface area in square feet	5400

**Remediation Closure Request**

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	520
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Dug and Hauled contaminated material to disposal. Backfilled with clean backfill material once satisfactory analytical results were received from the lab."

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 06/05/2024
--	--

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS  
  
Action 351035

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/14/2024