



SITE INFORMATION

Closure Report
RDX Federal 21-22
Incident ID: NAPP2416548536
Unit F Sec 21 T26S R30E
Eddy County, New Mexico
32.0307274°, -103.8895874°

Produced Water Release
Point of Release: Human Error
Release Date: 06.03.2024
Volume Released: 10 Barrels of Produced Water
Volume Recovered: 9 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



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September 11, 2024

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

**Re: Closure Report
RDX Federal 21-22
Devon Energy
Incident #: NAPP2416548536
Site Location: Unit F, S21, T26S, R30E
(Lat 32.0307274°, Long -103.8895874°)
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 RDX Federal 21-22. The site is located at 32.0307274°, -103.8895874° 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 June 3, 2024, due to human error. It resulted in the release of ten (10) barrels of produced water, with nine (9) 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 1.63 miles Southeast of the site in S22, T26S, R30E and was drilled in 2020. The well has a reported depth to groundwater of 105 feet below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Trenching

On June 24, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, four (4) trenches (T-1 through T-4) and

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six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 3' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to 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.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD web portal on July 23, 2024, and August 12, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the NMOCD correspondence. A total of eighteen (18) confirmation floor samples (CS-1 through CS-18) and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of the contaminated soils. The area of H-6 was extended to ensure horizontal bounding of the release. 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.

The sidewall area of SW-12 show elevated chloride levels was excavated to ensure the proper removal of all impacted material. For chemical analysis, the soil sample was collected and placed directly into a laboratory-provided sample container, stored on ice, and transported under the proper chain-of-custody protocol to Envirotech Inc. in Farmington, New Mexico. The collected sample was 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. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced from the MOS Crushing Pit. The pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 270 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

Conner Moehring
Sr. Project Manager

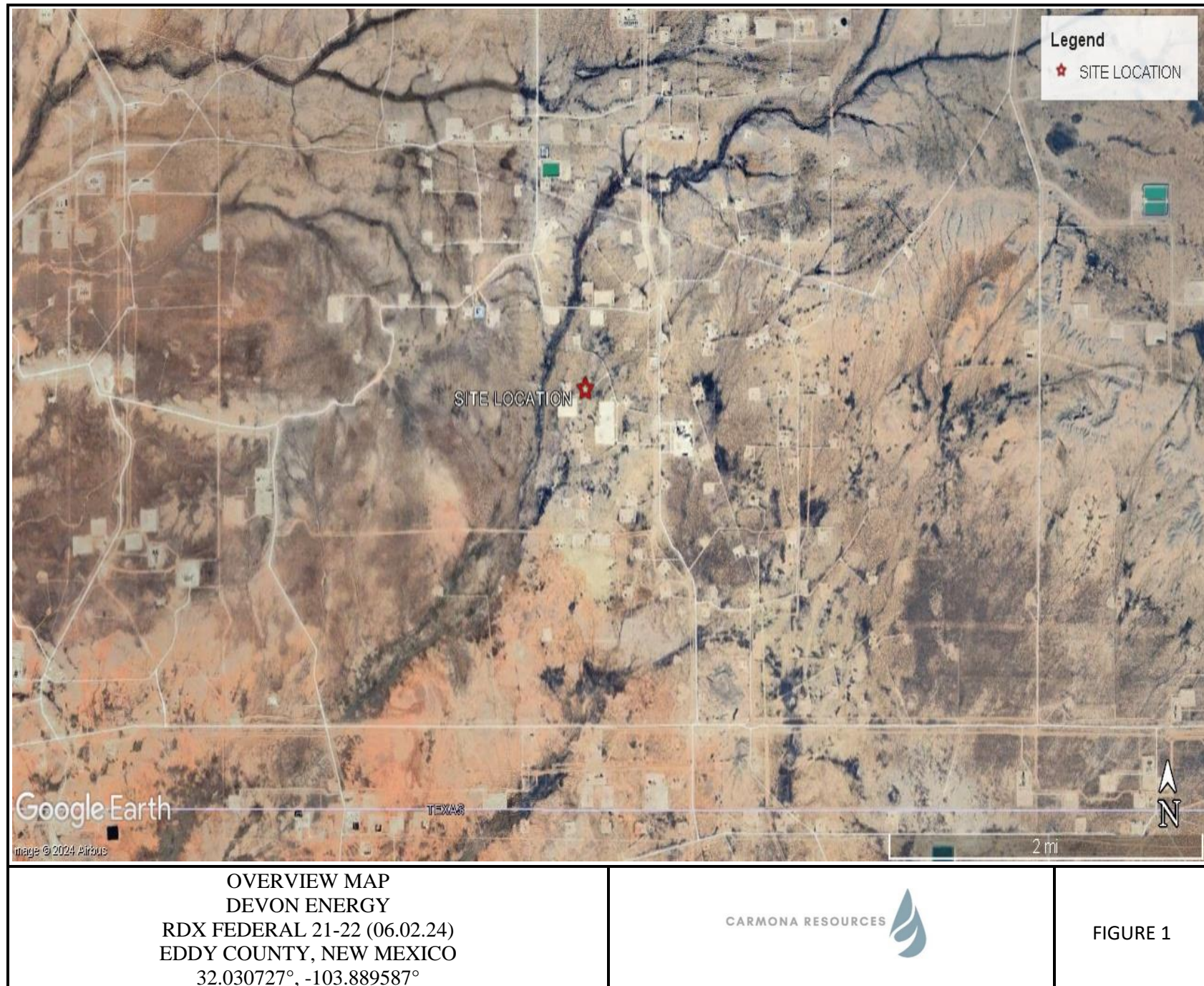
Ivan Ramos
Project Manager

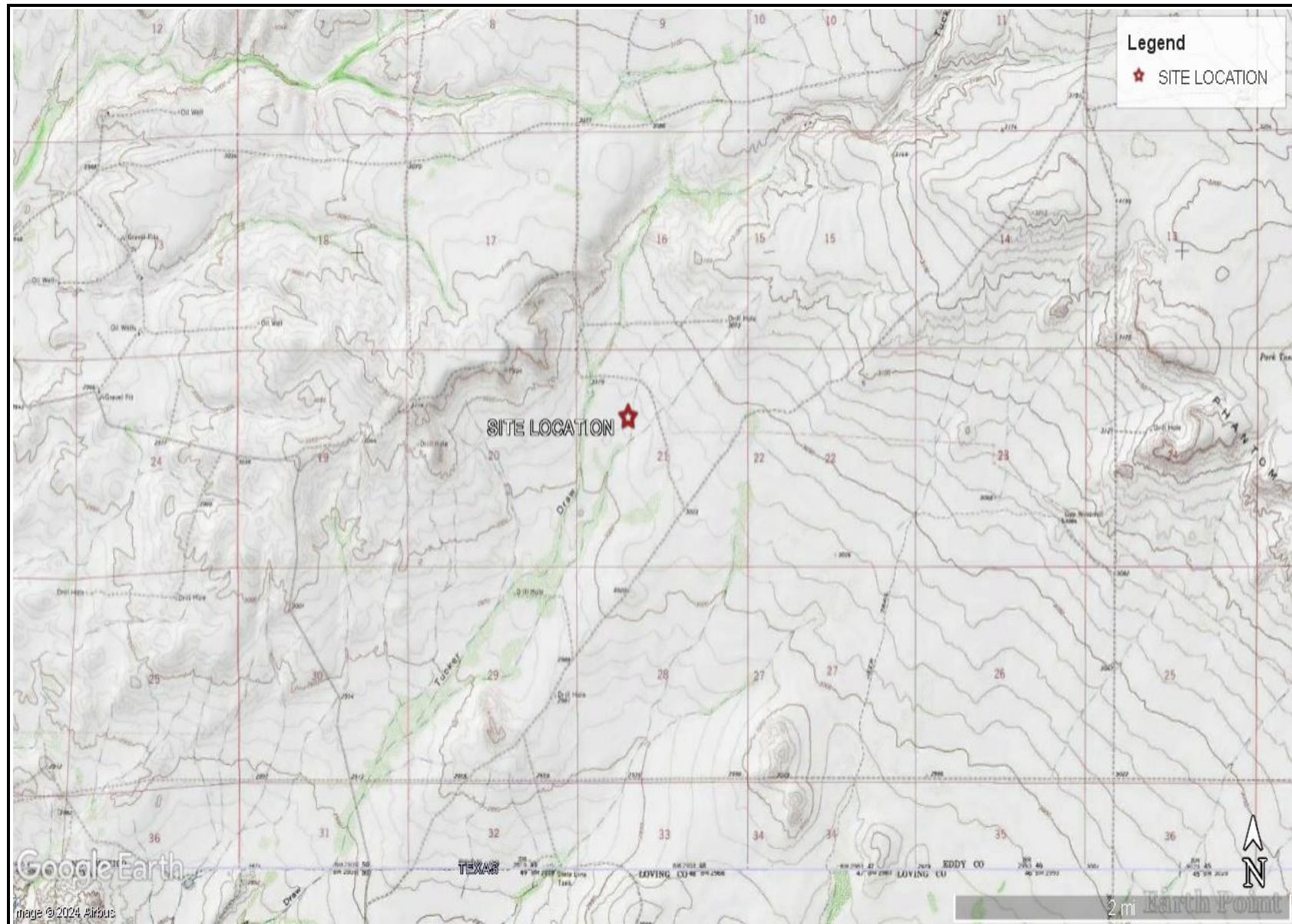
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FIGURES

CARMONA RESOURCES



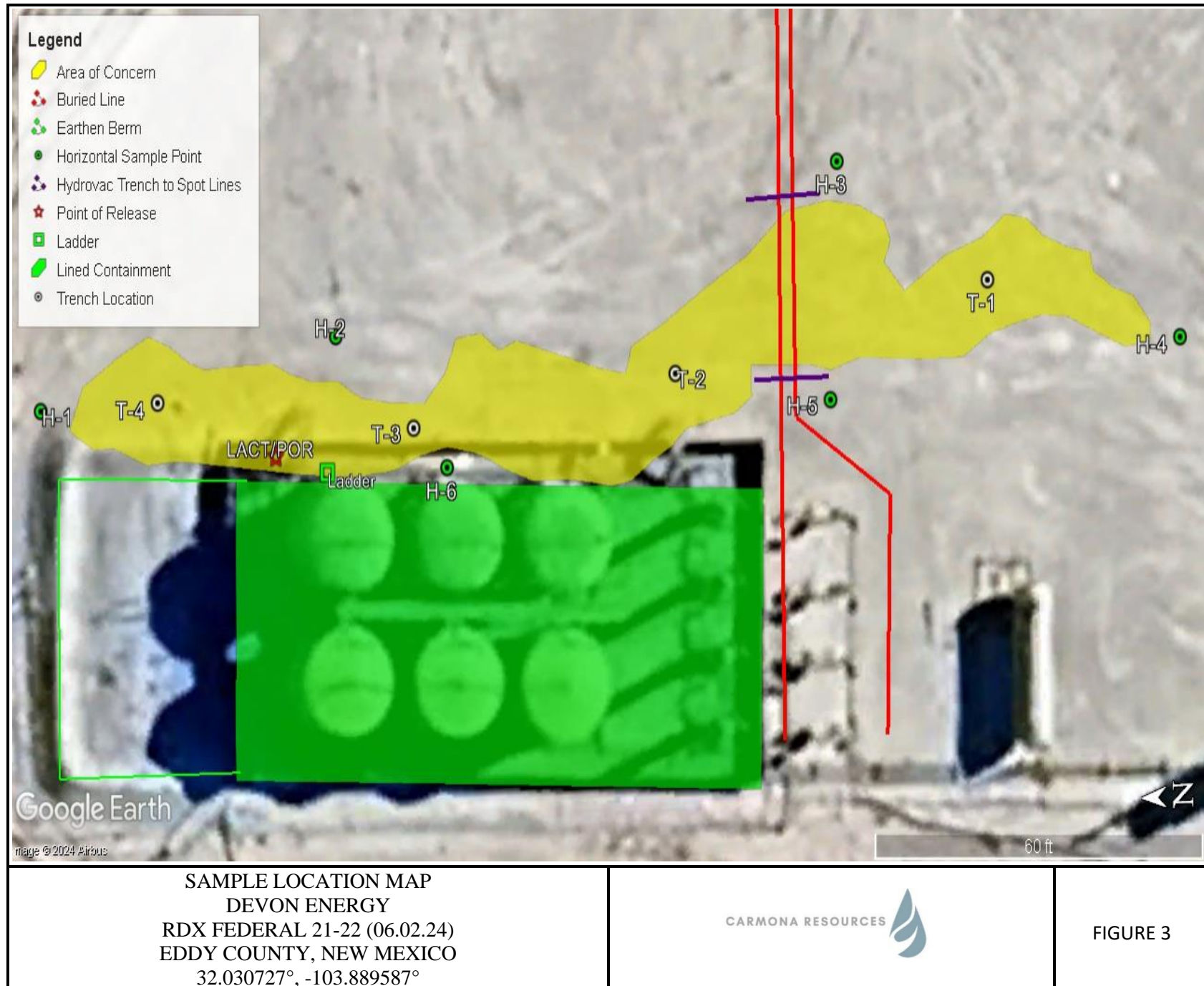


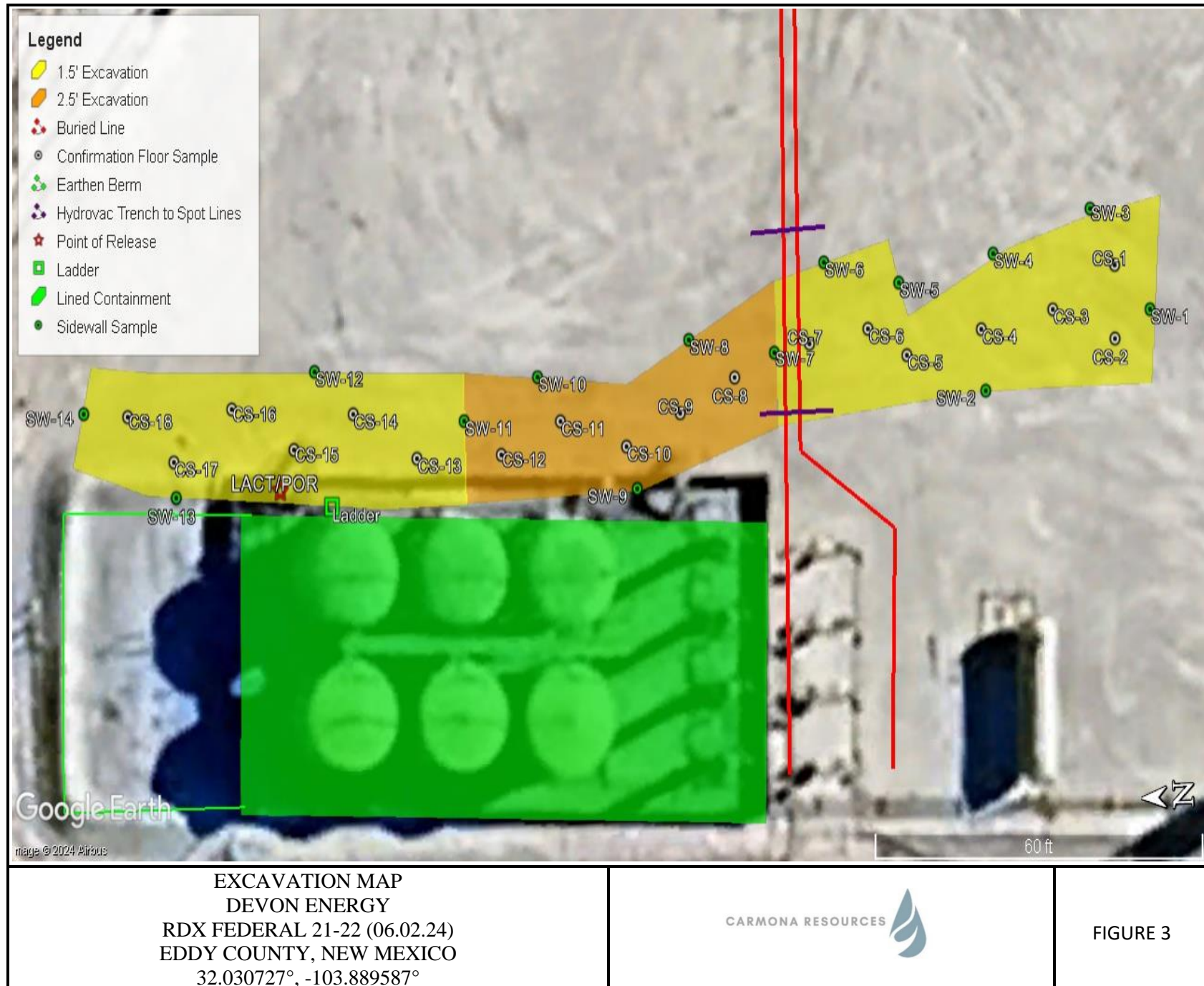


TOPOGRAPHIC MAP
DEVON ENERGY
RDX FEDERAL 21-22 (06.02.24)
EDDY COUNTY, NEW MEXICO
32.030727°, -103.889587°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
Devon Energy
RDX 21-22
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						
T-1	6/24/2024	0-1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	22,800
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	369
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.8
T-2	6/24/2024	0-1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	21,900
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	689
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.0
T-3	6/24/2024	0-1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	16,800
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	566
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.3
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.4
T-4	6/24/2024	0-1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	14,800
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	307
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.8
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) Trench

Removed

Table 1
Devon Energy
RDX 21-22
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	6/24/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	590
H-2	6/24/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	185
H-3	6/24/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.3
H-4	6/24/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	103
H-5	6/24/2024	0-0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.7
H-6	6/24/2024	0-0.5'	ND	244	216	460	ND	ND	ND	ND	ND	453
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample


 Removed

Table 2
Devon Energy
RDX 21-22
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	382
CS-2	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
CS-3	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	152
CS-4	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
CS-5	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	397
CS-6	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	382
CS-7	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	373
CS-8	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	219
CS-9	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
CS-10	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	208
CS-11	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.6
CS-12	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	122
CS-13	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	125
CS-14	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.6
CS-15	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.4
CS-16	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	297
CS-17	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	288
CS-18	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	293
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

Table 2
Devon Energy
RDX 21-22
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						
SW-1	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	225
SW-2	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	220
SW-3	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	364
SW-4	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	225
SW-5	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	318
SW-6	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	310
SW-7	7/26/2024	1.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.2
SW-8	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.2
SW-9	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.3
SW-10	7/26/2024	2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.8
SW-11	7/26/2024	1.0'	ND	ND	ND	ND	ND	ND	ND	ND	ND	269
SW-12	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	665
	8/14/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-13	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	86.3
SW-14	7/26/2024	1.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.4
MOS Crushing Pit SP	8/6/2024	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	183
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) - Sidewall Sample

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Devon Energy

Photograph No. 1

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View Southwest, area of concern.



Photograph No. 2

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View West, area of concern.



Photograph No. 3

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View North, area of concern,



PHOTOGRAPHIC LOG**Devon Energy****Photograph No. 4****Facility:** RDX 21-22**County:** Eddy County, New Mexico**Description:**

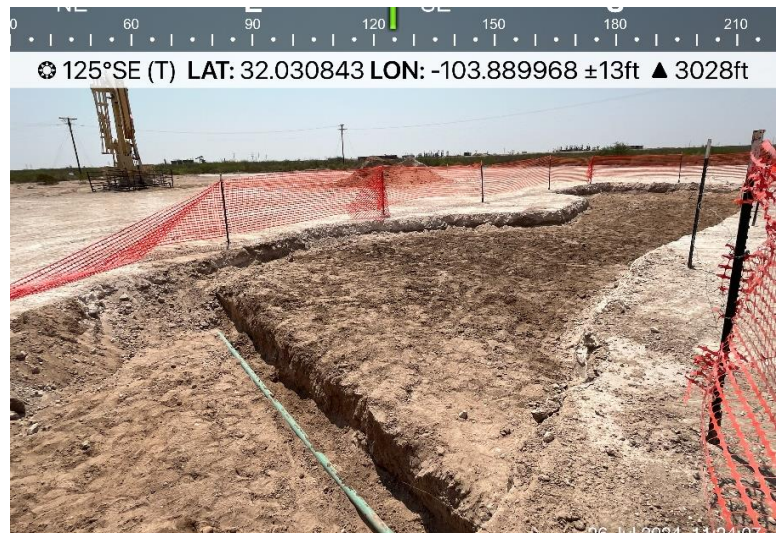
View North, area of concern.

**Photograph No. 5****Facility:** RDX 21-22**County:** Eddy County, New Mexico**Description:**

View Southeast, area of CS-1 through CS-5.

**Photograph No. 6****Facility:** RDX 21-22**County:** Eddy County, New Mexico**Description:**

View Southeast, area of CS-6 through CS-8.



PHOTOGRAPHIC LOG

Devon Energy

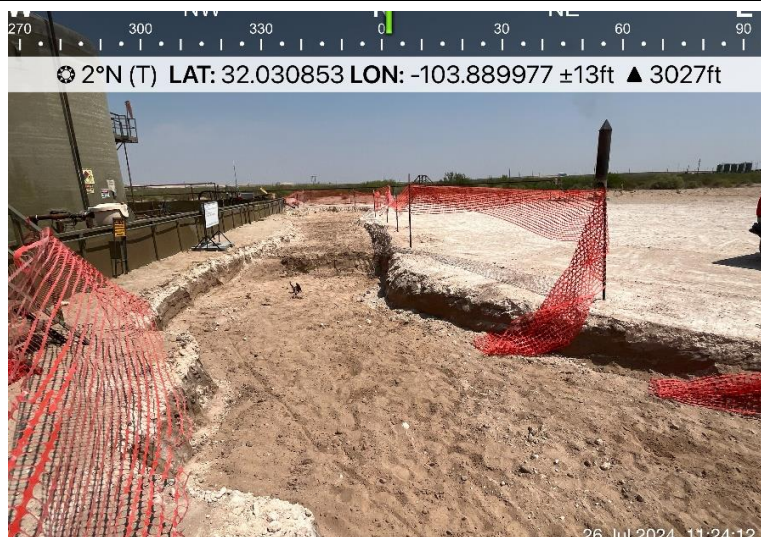
Photograph No. 7

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View North, area of CS-9 through CS-12.



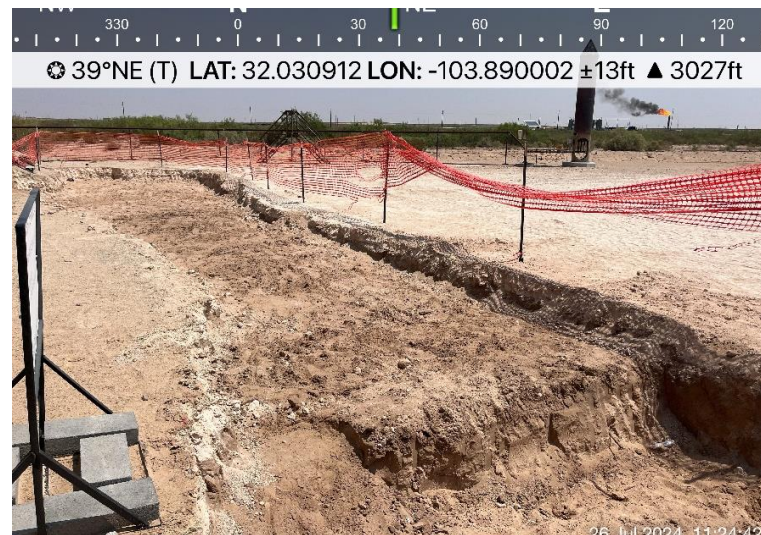
Photograph No. 8

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View Northeast, area of CS-13 through CS-15.



Photograph No. 9

Facility: RDX 21-22

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-16 through CS-18.



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 353905

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 353905
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX 21-22
Date Release Discovered	06/03/2024
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: Human Error Transport Produced Water Released: 10 BBL Recovered: 9 BBL Lost: 1 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.

District I

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 353905

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 353905
	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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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 353905

ACKNOWLEDGMENTS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 353905
	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.

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CONDITIONS

Action 353905

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 353905
	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.	6/13/2024

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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 366330

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 366330
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416548536
Incident Name	NAPP2416548536 RDX 21-22 @ 30-015-40561
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-40561] RDX FEDERAL 21 #022

Location of Release Source	
Site Name	RDX 21-22
Date Release Discovered	06/03/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,596
What is the estimated number of samples that will be gathered	38
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/26/2024
Time sampling will commence	10:00 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 15 mi, trn R onto Stateline Rd. Trvl W for 9.51 mi trn R and trvl NW on Unnamed Lease Rd for 1.59 mi. Trn L on Unnamed Lease Rd, trvl W for 0.43 mi. Trn L on Unnamed Lease Rd and travel onto pad. Arrive at GPS coordinates.

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

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

CONDITIONS

Action 366330

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 366330
	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.	7/23/2024

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 372782

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 372782
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416548536
Incident Name	NAPP2416548536 RDX 21-22 @ 30-015-40561
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-40561] RDX FEDERAL 21 #022

Location of Release Source	
Site Name	RDX 21-22
Date Release Discovered	06/03/2024
Surface Owner	Federal

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	200
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	08/14/2024
Time liner inspection will commence	11:30 AM
Please provide any information necessary for observers to liner inspection	32.031074, -103.889977
Please provide any information necessary for navigation to liner inspection site	Conner Moerhring (432) 813- 6823

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

CONDITIONS

Action 372782

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 372782
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	8/12/2024

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: 9/11/2024

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

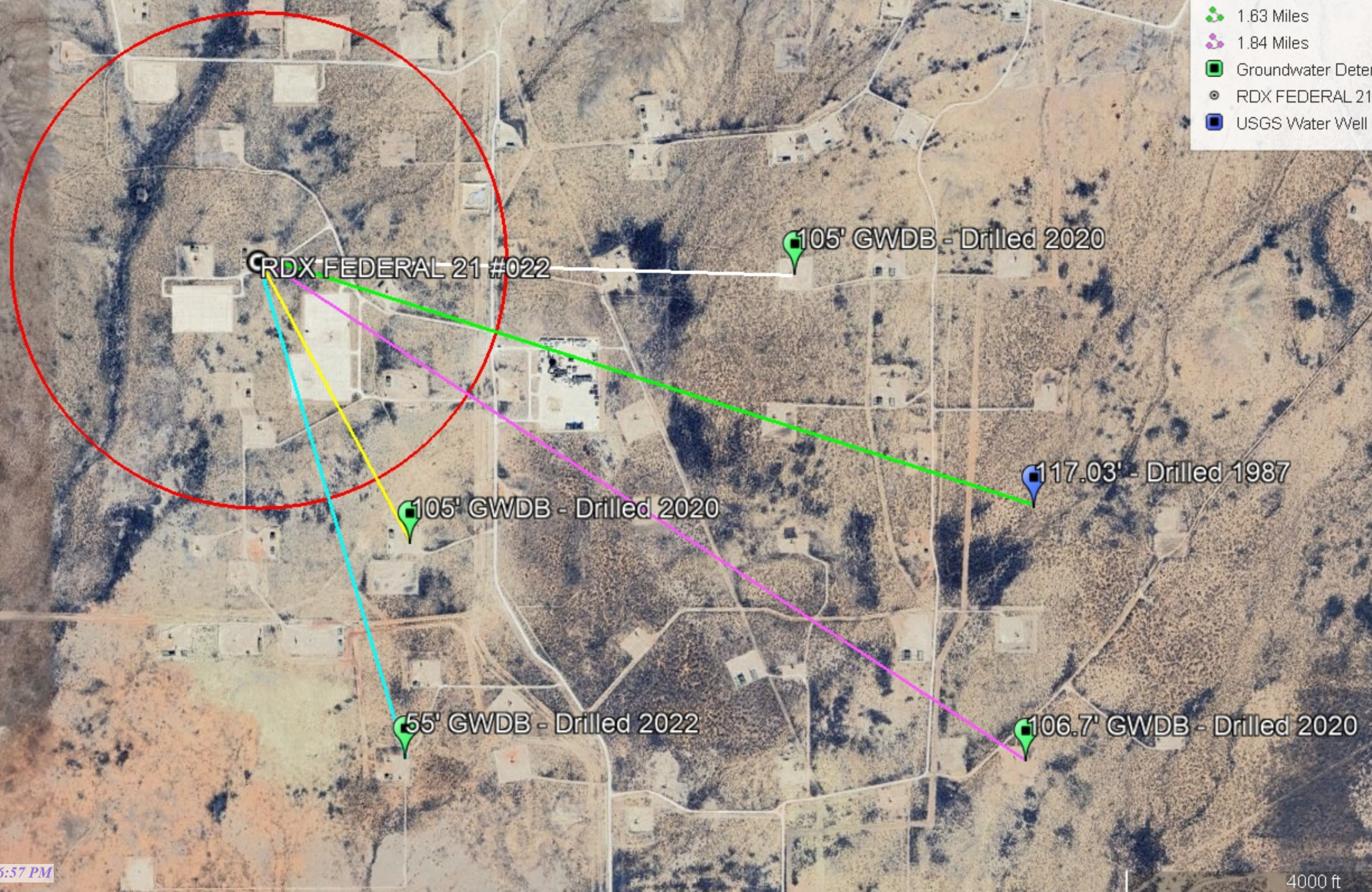


Nearest water well

Devon Energy

Legend



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- 0.65 Miles
- 1.05 Miles
- 1.08 Miles
- 1.63 Miles
- 1.84 Miles
- Groundwater Determination Bore
- RDX FEDERAL 21 #022
- USGS Water Well



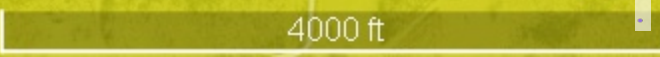
medium karst

Devon Energy

Legend

-  Medium
-  RDX FEDERAL 21 #022

RDX FEDERAL 21 #022





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04629 POD1	CUB	ED		4	3	4	21	26S	30E	605381	3543462	1059			
C 04798 POD8	CUB	ED		2	4	1	16	26S	30E	604956	3545986	1608	35		
C 04625 POD1	CUB	ED		1	3	2	28	26S	30E	605340	3542781	1671	55		
C 04068 POD1	CUB	ED		1	3	1	16	26S	30E	604397	3546018	1699			
C 04798 POD9	CUB	ED		2	3	2	16	26S	30E	605453	3545978	1706	35		
C 04798 POD6	CUB	ED		2	3	2	16	26S	30E	605432	3545989	1710	35		
C 04798 POD10	CUB	ED		2	3	2	16	26S	30E	605453	3545985	1713	10		
C 04798 POD7	CUB	ED		2	3	2	16	26S	30E	605445	3545993	1718	35		
C 04798 POD11	CUB	ED		2	3	2	16	26S	30E	605461	3545989	1720	10		
C 04798 POD12	CUB	ED		2	3	2	16	26S	30E	605464	3545993	1724	35		
C 04798 POD2	CUB	ED		1	4	2	16	26S	30E	605590	3546051	1826	35		
C 04798 POD4	CUB	ED		1	4	2	16	26S	30E	605598	3546050	1829	35		
C 04798 POD3	CUB	ED		1	4	2	16	26S	30E	605595	3546056	1833	35		
C 04798 POD1	CUB	ED		1	4	2	16	26S	30E	605592	3546061	1836	35		
C 04798 POD5	CUB	ED		1	4	2	16	26S	30E	605604	3546062	1841	35		
C 04655 POD1	CUB	ED		1	2	2	16	26S	30E	605726	3546472	2267			
C 04802 POD1	CUB	ED		4	4	3	33	26S	30E	605058	3541059	3327	105		
C 03483	C	ED		4	4	4	05	26S	30E	604296	3548251	3910	700	200	500
C 03581 POD1	CUB	ED		4	4	4	05	26S	30E	604298	3548291	3950	800	320	480

Average Depth to Water: **260 feet**

Minimum Depth: **200 feet**

Maximum Depth: **320 feet**

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 604852.3

Northing (Y): 3544380.52

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.

5/29/24 12:19 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER


HRL
COMPLIANCE
SOLUTIONS
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:		Location:	
MW-1		RDX Federal Com 21-43	
Date:		Client:	
12/9/2020		WPX Energy	
Logged By:		Drilled By:	
J. Linn, P.G.		Talon LPE	
Seal Type:		Seal Depth Interval:	
None		None	
Latitude:		Longitude:	
32.022571		-103.884371	
Casing Type:		Boring Total Depth (ft. BGS):	
PVC		110	
Screen Type:		Well Total Depth (ft. BGS):	
PVC		105	
Depth Interval:		Depth to Water (ft. BTWC):	
0-100 feet bgs		> 105	
DTW Date:		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	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand			
30												
35												
40												
45	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay			
50												
55												
60												
65	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay			
70												
75												
80												
85	NM	M	D	N	N	NM	SC	NS	Buff to orange color fine sand with medium sand and clay			
90												
95												
100												
105	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			

Released to Imaging: 9/27/2024 3:06:57 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DT AUG 8 2022 AM 10:19

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 * DATUM REQUIRED: WGS 84		
		LONGITUDE 103	53	4.54 W			
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)
	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. C-04625	POD NO. 1	TRN NO. 726170
LOCATION 26S.30E.28.1.3.2	WELL TAG ID NO. —	PAGE 1 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 2nd 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.


Sincerely,

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

Lucas Middleton

Enclosures: as noted above

QSE DIT AUG 8 2022 PM 10:19

 HRL COMPLIANCE SOLUTIONS							BORING LOG/MONITORING WELL COMPLETION DIAGRAM					
							Boring/Well Number: MW-1			Location: Ross Draw Unit #38		
							Date: 12/8/2020			Client: WPX Energy		
Drilling Method: Air Rotary			Sampling Method: None				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: 32.030300	
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.871338		
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTOC): > 105	
DTW Date: 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	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand			
5												
10												
15												
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand			
25												
30												
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand			
40												
45												
50												
55												
60												
65	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand			
70												
75												
80												
85												
90												
95	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS			
100												



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 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

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
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
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.

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

- [Questions or Comments](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



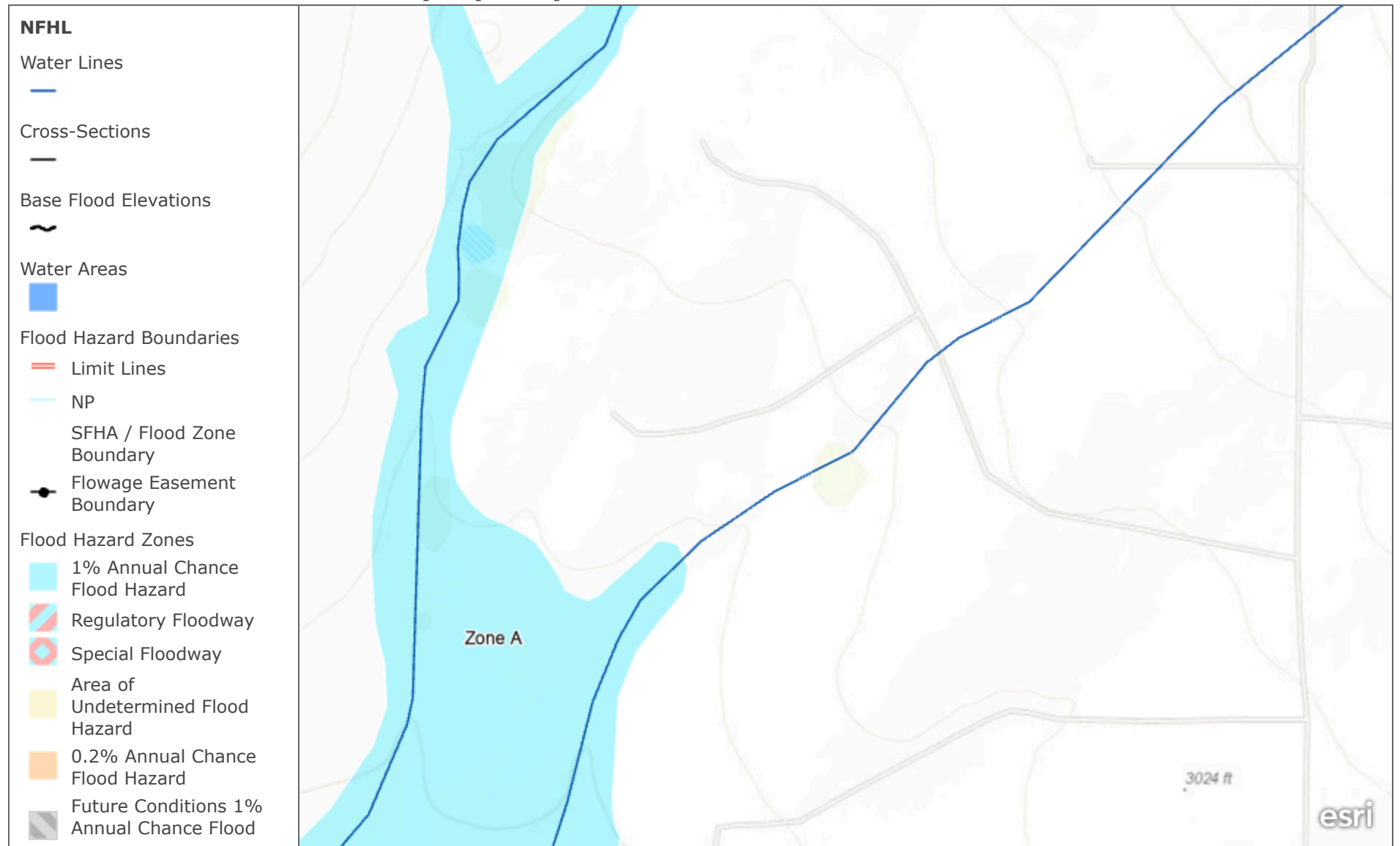
Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-11-22 08:48:02 EST
0.28 0.24 nadww01


**COMPLIANCE
SOLUTIONS**

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

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PTD (ppm)	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"											

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

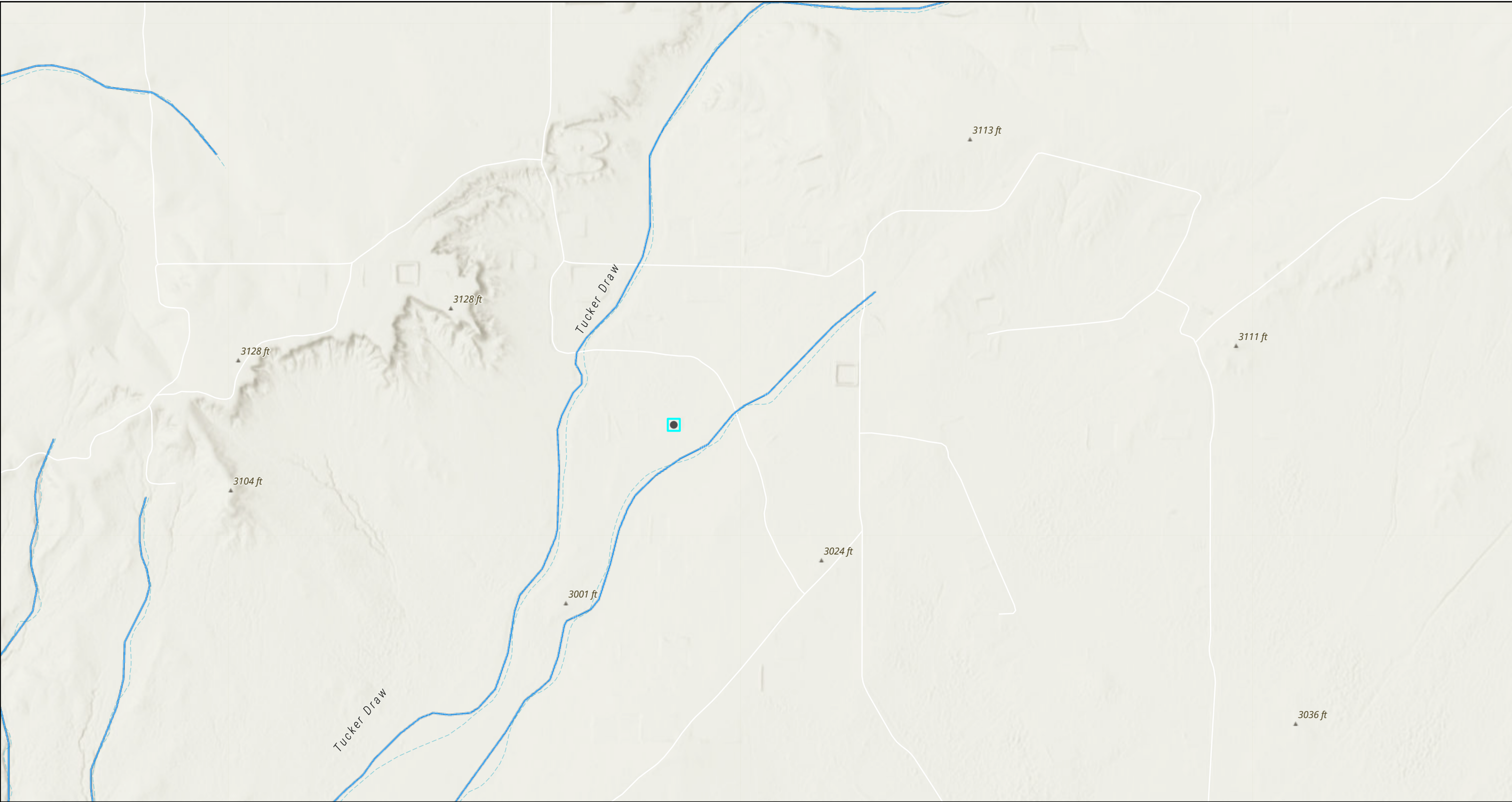
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

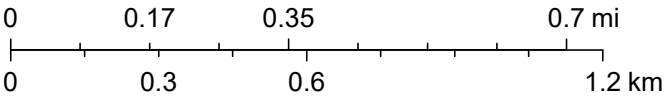
RDX FEDERAL 21 #022 (05.26.2024)



5/29/2024, 1:14:08 PM

— OSE Streams

1:18,056



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APPENDIX E

CARMONA RESOURCES



Report to:
Jim Raley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E406243

Job Number: 01058-0007

Received: 6/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/2/24

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.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/2/24



Jim Raley
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: RDX 21-22
Workorder: E406243
Date Received: 6/26/2024 6:00:00AM

Jim Raley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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,

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Sample Summary

Carmona Resources	Project Name:	RDX 21-22	Reported: 07/02/24 12:52
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1.0')	E406243-01A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-1 (1.5')	E406243-02A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-1 (2.0')	E406243-03A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-1 (3.0')	E406243-04A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-1 (4.0')	E406243-05A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-2 (0-1.0')	E406243-06A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-2 (1.5')	E406243-07A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-2 (2.0')	E406243-08A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-2 (3.0')	E406243-09A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-3 (0-1.0')	E406243-10A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-3 (1.5')	E406243-11A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-3 (2.0')	E406243-12A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-3 (3.0')	E406243-13A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-4 (0-1.0')	E406243-14A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-4 (1.5')	E406243-15A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-4 (2.0')	E406243-16A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
T-4 (3.0')	E406243-17A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Jim Raley

Reported:
7/2/2024 12:52:27PM

T-1 (0-1.0')

E406243-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		101 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		101 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		97.6 %	50-200	06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	22800	1000	50	06/26/24	06/26/24	



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Jim Raley

Reported:
7/2/2024 12:52:27PM

T-1 (1.5')

E406243-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	99.6 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	99.6 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	90.4 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	369	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-1 (2.0')

E406243-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		98.3 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		102 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		98.3 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		84.2 %	50-200	06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	29.8	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-2 (0-1.0')
E406243-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		06/26/24	06/27/24	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		06/26/24	06/27/24	
Surrogate: Toluene-d8	96.7 %	70-130		06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		06/26/24	06/27/24	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		06/26/24	06/27/24	
Surrogate: Toluene-d8	96.7 %	70-130		06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	78.9 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	21900	400	20	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-2 (1.5')

E406243-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	96.1 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	96.1 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	83.5 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	10000	200	10	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-2 (2.0')

E406243-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	96.5 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	96.5 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	88.5 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	689	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-2 (3.0')

E406243-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		100 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		96.0 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		100 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		96.0 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		85.3 %	50-200	06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	75.0	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-3 (0-1.0')
E406243-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.4 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.4 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane		81.1 %	50-200	06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	16800	400	20	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-3 (1.5')

E406243-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.3 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.3 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane		81.7 %	50-200	06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	566	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-3 (2.0')

E406243-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		100 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		94.0 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		100 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		94.0 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane		82.3 %	50-200	06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	59.3	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-3 (3.0')

E406243-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		95.9 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		95.9 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane		80.6 %	50-200	06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	43.4	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-4 (0-1.0')
E406243-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		96.7 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		96.7 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane		82.7 %	50-200	06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	14800	400	20	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-4 (1.5')

E406243-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.1 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	06/26/24	06/28/24	
Surrogate: Toluene-d8		97.1 %	70-130	06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane		84.4 %	50-200	06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	307	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-4 (2.0')

E406243-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	93.0 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	98.1 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	93.0 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane	82.5 %	50-200		06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	52.8	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 7/2/2024 12:52:27PM
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T-4 (3.0')

E406243-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	95.9 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2426049
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		06/26/24	06/28/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		06/26/24	06/28/24	
Surrogate: Toluene-d8	95.9 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2426064
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/28/24	
Surrogate: n-Nonane	82.9 %	50-200		06/27/24	06/28/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2426045
Chloride	ND	100	5	06/26/24	06/27/24	



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	7/2/2024 12:52:27PM

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 (2426049-BLK1) Prepared: 06/26/24 Analyzed: 06/27/24

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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			

LCS (2426049-BS1) Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.38	0.0250	2.50		95.0	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.00	0.0500	5.00		99.9	70-130			
Total Xylenes	7.51	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			

Matrix Spike (2426049-MS1) Source: E406243-06 Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	2.43	0.0250	2.50	ND	97.1	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	95.8	45-135			
Toluene	2.27	0.0250	2.50	ND	90.8	48-130			
o-Xylene	2.48	0.0250	2.50	ND	99.1	43-135			
p,m-Xylene	4.94	0.0500	5.00	ND	98.9	43-135			
Total Xylenes	7.42	0.0250	7.50	ND	99.0	43-135			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike Dup (2426049-MSD1) Source: E406243-06 Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	2.44	0.0250	2.50	ND	97.4	48-131	0.267	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.6	45-135	1.90	27	
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	1.29	24	
o-Xylene	2.44	0.0250	2.50	ND	97.7	43-135	1.38	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.4	43-135	1.56	27	
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135	1.50	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	7/2/2024 12:52:27PM

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 (2426049-BLK1) Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			

LCS (2426049-BS2) Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike (2426049-MS2) Source: E406243-06 Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	98.9	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2426049-MSD2) Source: E406243-06 Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130	0.491	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	7/2/2024 12:52:27PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2426064-BLK1) Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			

LCS (2426064-BS1) Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			

Matrix Spike (2426064-MS1) Source: E406243-09 Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			

Matrix Spike Dup (2426064-MSD1) Source: E406243-09 Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	3.69	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	7/2/2024 12:52:27PM

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 (2426045-BLK1)					Prepared: 06/26/24 Analyzed: 06/26/24				
Chloride	ND	20.0							
LCS (2426045-BS1)					Prepared: 06/26/24 Analyzed: 06/26/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2426045-MS1)					Source: E406243-03		Prepared: 06/26/24 Analyzed: 06/26/24		
Chloride	286	20.0	250	29.8	103	80-120			
Matrix Spike Dup (2426045-MSD1)					Source: E406243-03		Prepared: 06/26/24 Analyzed: 06/26/24		
Chloride	288	20.0	250	29.8	103	80-120	0.524	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Jim Raley	07/02/24 12:52

- 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: E406243
Job # - 01058-0007

Page 1 of 2

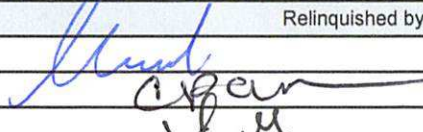
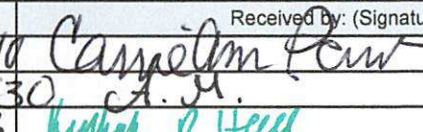

Project Manager:	Miranda Milwee	Bill to: (if different)	Jim Raley
Company Name:	Carmona Resources	Company Name:	Devon Energy
Address:	310 W Wall St Ste 500	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Carlsbad NM, 88220
Phone:	(432) 813-9652	Email:	jim.raley@devon.com

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:	RDX 21-22		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number:	2402		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD																	None: NO	DI Water: H ₂ O
Project Location:	Eddy County, New Mexico		Due Date:																								Cool: Cool	MeOH: Me
Sampler's Name:	MM																										HCL: HC	HNO ₃ : HN
PO #:	12490199																										H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	H ₃ PO ₄ : HP				
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																		NaHSO ₄ : NABIS					
Cooler Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																		Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date		Soil	Water	Grab/Comp	# of Cont																	Sample Comments	LAB #				
T-1 (0-1.0')	6/24/2024		X		G	1	x	x	x												1							
T-1 (1.5')	6/24/2024		X		G	1	x	x	x												2							
T-1 (2.0')	6/24/2024		X		G	1	x	x	x												3							
T-1 (3.0')	6/24/2024		X		G	1														x	4							
T-1 (4.0')	6/24/2024		X		G	1														x	5							
T-2 (0-1.0')	6/24/2024		X		G	1	x	x	x												6							
T-2 (1.5')	6/24/2024		X		G	1	x	x	x												7							
T-2 (2.0')	6/24/2024		X		G	1	x	x	x												8							
T-2 (3.0')	6/24/2024		X		G	1	x	x	x												9							
T-3 (0-1.0')	6/24/2024		X		G	1	x	x	x												10							

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

For the ones on hold run deeper samples if Chloride exceeds 600 mg/kg, TPH (GRO + DRO + MRO) exceeds 100 mg/kg. Run deeper samples if benzene exceeds 10 mg/kg or Total BTEX exceeds 50 mg/kg.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/25/24 1040		6/25/24 1040
	6/25/24 1530		6/25/24 1700
	6/26/24 1515		6/26/24 0100

Chain of Custody

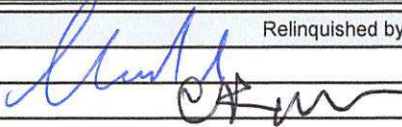
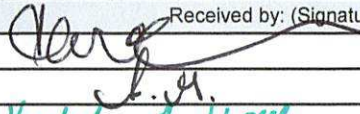
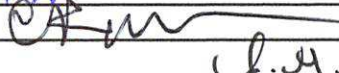


Work Order No: E406243
Job #: 01058-0007Page 2 of 2

Project Manager:	Miranda Milwee	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) 813-9652	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:		RDX 21-22		Turn Around		ANALYSIS REQUEST														Preservative Codes							
Project Number:		2402		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																None: NO DI Water: H ₂ O							
Project Location		Eddy County, New Mexico		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		MM																		HCL: HC HNO ₃ : HN							
PO #:		12490199																		H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																H ₃ PO ₄ : HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																				NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:																				Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Soil		Water		Grab/Comp		# of Cont																Sample Comments	
T-3 (1.5')		6/24/2024		X				G		1																11	
T-3 (2.0')		6/24/2024		X				G		1																12	
T-3 (3.0')		6/24/2024		X				G		1																13	
T-4 (0-1.0')		6/24/2024		X				G		1																14	
T-4 (1.5')		6/24/2024		X				G		1																15	
T-4 (2.0')		6/24/2024		X				G		1																16	
T-4 (3.0')		6/24/2024		X				G		1																17	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		6/25/24 1040				6/25/24 1040	
		6-25-24 1530				6-25-24 1700	
		6-25-24 2315				6-26-24 0100	

Envirotech Analytical Laboratory

Printed: 6/26/2024 1:51:10PM

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:	06/26/24 06:00	Work Order ID:	E406243
Phone:	(432) 813-6823	Date Logged In:	06/26/24 13:20	Logged In By:	Keyliegh Hall
Email:		Due Date:	07/02/24 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/ResolutionSample 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? No
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? No
Collectors name? No

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: N/A

Client Instruction

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

Date



envirotech Inc.

Report to:
Jim Raley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E406244

Job Number: 01058-0007

Received: 6/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/28/24

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: 6/28/24



Jim Raley
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: RDX 21-22
Workorder: E406244
Date Received: 6/26/2024 6:00:00AM

Jim Raley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Carmona Resources	Project Name:	RDX 21-22	Reported: 06/28/24 11:36
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H-1 (0-0.5')	E406244-01A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
H-2 (0-0.5')	E406244-02A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
H-3 (0-0.5')	E406244-03A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
H-4 (0-0.5')	E406244-04A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
H-5 (0-0.5')	E406244-05A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
H-6 (0-0.5')	E406244-06A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
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H-1 (0-0.5')
E406244-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.6 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	95.4 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	590	40.0	2	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
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H-2 (0-0.5')
E406244-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
<i>Surrogate: n-Nonane</i>						
	87.7 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	185	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
---	---	-----------------------------------

H-3 (0-0.5')
E406244-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	93.5 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	57.3	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
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H-4 (0-0.5')
E406244-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID	92.3 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	91.0 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	103	20.0	1	06/26/24	06/26/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
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H-5 (0-0.5')
E406244-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/24	06/27/24	
Surrogate: n-Nonane	94.4 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	50.7	20.0	1	06/26/24	06/27/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Jim Raley	Reported: 6/28/2024 11:36:02AM
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H-6 (0-0.5')
E406244-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2426048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		06/26/24	06/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2426058	
Diesel Range Organics (C10-C28)	244	50.0	2	06/27/24	06/27/24	
Oil Range Organics (C28-C36)	216	100	2	06/27/24	06/27/24	
Surrogate: n-Nonane	96.0 %	50-200		06/27/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2426044	
Chloride	453	20.0	1	06/26/24	06/27/24	



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	6/28/2024 11:36:02AM

Volatile Organics by EPA 8021B

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 (2426048-BLK1) Prepared: 06/26/24 Analyzed: 06/27/24

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	6.81		8.00		85.1	70-130			

LCS (2426048-BS1) Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130			
Toluene	4.82	0.0250	5.00		96.3	70-130			
o-Xylene	4.70	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

Matrix Spike (2426048-MS1) Source: E406242-04 Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	61-133			
Toluene	4.94	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.5	63-131			
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.7	70-130			

Matrix Spike Dup (2426048-MSD1) Source: E406242-04 Prepared: 06/26/24 Analyzed: 06/27/24

Benzene	5.08	0.0250	5.00	ND	102	54-133	1.48	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133	1.11	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	1.24	20	
o-Xylene	4.87	0.0250	5.00	ND	97.3	63-131	0.810	20	
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	63-131	1.12	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	1.02	20	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	6/28/2024 11:36:02AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2426048-BLK1) Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

LCS (2426048-BS2) Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130			

Matrix Spike (2426048-MS2) Source: E406242-04 Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2426048-MSD2) Source: E406242-04 Prepared: 06/26/24 Analyzed: 06/27/24

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130	0.533	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	6/28/2024 11:36:02AM

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 (2426058-BLK1) Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.5	50-200			

LCS (2426058-BS1) Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			

Matrix Spike (2426058-MS1) Source: E406246-02 Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

Matrix Spike Dup (2426058-MSD1) Source: E406246-02 Prepared: 06/27/24 Analyzed: 06/27/24

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	0.670	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	6/28/2024 11:36:02AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2426044-BLK1)					Prepared: 06/26/24 Analyzed: 06/26/24				
Chloride	ND	20.0							
LCS (2426044-BS1)					Prepared: 06/26/24 Analyzed: 06/26/24				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2426044-MS1)					Source: E406242-04		Prepared: 06/26/24 Analyzed: 06/26/24		
Chloride	324	20.0	250	71.9	101	80-120			
Matrix Spike Dup (2426044-MSD1)					Source: E406242-04		Prepared: 06/26/24 Analyzed: 06/26/24		
Chloride	327	20.0	250	71.9	102	80-120	1.01	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Jim Raley	06/28/24 11:36

- 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: E406244
Job #: 01058-0007







Page 1 of 1

Project Manager:	Miranda Milwee	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) 813-9652	Email:	jim.ralej@dyn.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:		

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/25/24 1040		6/25/24 1040
	6/25/24 1530		6/25/24 1530
	6-25-24 2315		6-25-24 2315

Envirotech Analytical Laboratory

Printed: 6/26/2024 2:46:36PM

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:	06/26/24 06:00	Work Order ID:	E406244
Phone:	(432) 813-6823	Date Logged In:	06/26/24 14:29	Logged In By:	Keyliegh Hall
Email:		Due Date:	07/02/24 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/ResolutionSample 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? No
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? No
Collectors name? No

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: N/A

Client Instruction

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

Date



envirotech Inc.

Report to:
Miranda Milwee



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E407236

Job Number: 01058-0007

Received: 7/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/1/24

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: 8/1/24



Miranda Milwee
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: RDX 21-22
Workorder: E407236
Date Received: 7/30/2024 5:00:00AM

Miranda Milwee,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2024 5:00:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 08/01/24 12:54
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 (1.5')	E407236-01A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-2 (1.5')	E407236-02A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-3 (1.5')	E407236-03A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-4 (1.5')	E407236-04A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-5 (1.5')	E407236-05A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-6 (1.5')	E407236-06A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-7 (1.5')	E407236-07A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-8 (2.5')	E407236-08A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-9 (2.5')	E407236-09A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-10 (2.5')	E407236-10A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-11 (2.5')	E407236-11A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-12 (2.5')	E407236-12A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-13 (1.5')	E407236-13A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-14 (1.5')	E407236-14A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-15 (1.5')	E407236-15A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-16 (1.5')	E407236-16A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-17 (1.5')	E407236-17A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
CS-18 (1.5')	E407236-18A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-1 (1.5')	E407236-19A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-2 (1.5')	E407236-20A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Miranda Milwee

Reported:
8/1/2024 12:54:34PM

CS-1 (1.5')

E407236-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431041
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2431042
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2431052
Chloride	382	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-2 (1.5')
E407236-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane	112 %	50-200		07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	150	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	Reported: 8/1/2024 12:54:34PM
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	

CS-3 (1.5')
E407236-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	152	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-4 (1.5')
E407236-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		113 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	113	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	Reported: 8/1/2024 12:54:34PM
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	

CS-5 (1.5')
E407236-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	397	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-6 (1.5')
E407236-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		110 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	382	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-7 (1.5')
E407236-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.3 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane	115 %	50-200		07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	373	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	Reported: 8/1/2024 12:54:34PM
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	

CS-8 (2.5')
E407236-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/30/24	07/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	219	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-9 (2.5')
E407236-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		07/30/24	07/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	200	20.0	1	07/30/24	07/30/24	



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Miranda Milwee

Reported:
8/1/2024 12:54:34PM

CS-10 (2.5')

E407236-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	208	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-11 (2.5')
E407236-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane		111 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	21.6	20.0	1	07/30/24	07/30/24	



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Miranda Milwee

Reported:
8/1/2024 12:54:34PM

CS-12 (2.5')

E407236-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	122	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

CS-13 (1.5')
E407236-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	125	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

CS-14 (1.5')
E407236-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	23.6	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-15 (1.5')
E407236-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	111 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	24.4	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

CS-16 (1.5')
E407236-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	297	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

CS-17 (1.5')
E407236-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	288	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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CS-18 (1.5')
E407236-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	293	20.0	1	07/30/24	07/31/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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SW-1 (1.5')
E407236-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	225	20.0	1	07/30/24	07/31/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/1/2024 12:54:34PM
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SW-2 (1.5')
E407236-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2431042	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431052	
Chloride	220	20.0	1	07/30/24	07/31/24	



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

Volatile Organics by EPA 8021B

Analyst: CG

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 (2431041-BLK1) Prepared: 07/30/24 Analyzed: 07/31/24

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	8.00		8.00		100	70-130			

LCS (2431041-BS1) Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.23	0.0250	5.00		105	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		101	70-130			

Matrix Spike (2431041-MS1) Source: E407236-09 Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	4.28	0.0250	5.00	ND	85.5	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	85.1	61-133			
Toluene	4.31	0.0250	5.00	ND	86.2	61-130			
o-Xylene	4.28	0.0250	5.00	ND	85.7	63-131			
p,m-Xylene	8.67	0.0500	10.0	ND	86.7	63-131			
Total Xylenes	13.0	0.0250	15.0	ND	86.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike Dup (2431041-MSD1) Source: E407236-09 Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	4.59	0.0250	5.00	ND	91.8	54-133	7.03	20	
Ethylbenzene	4.61	0.0250	5.00	ND	92.2	61-133	8.02	20	
Toluene	4.65	0.0250	5.00	ND	93.0	61-130	7.64	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	7.93	20	
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	63-131	7.97	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.5	63-131	7.96	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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 (2431041-BLK1) Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2431041-BS2) Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike (2431041-MS2) Source: E407236-09 Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	38.1	20.0	50.0	ND	76.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2431041-MSD2) Source: E407236-09 Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.7	70-130	7.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

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 (2431042-BLK1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.5		50.0		115	50-200			

LCS (2431042-BS1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	57.2		50.0		114	50-200			

Matrix Spike (2431042-MS1)					Source: E407236-07		Prepared: 07/30/24 Analyzed: 07/30/24		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	44.1		50.0		88.2	50-200			

Matrix Spike Dup (2431042-MSD1)					Source: E407236-07		Prepared: 07/30/24 Analyzed: 07/30/24		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	4.48	20	
Surrogate: n-Nonane	53.4		50.0		107	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/1/2024 12:54:34PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2431052-BLK1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Chloride	ND	20.0							
LCS (2431052-BS1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2431052-MS1)					Source: E407236-05		Prepared: 07/30/24 Analyzed: 07/30/24		
Chloride	634	20.0	250	397	94.8	80-120			
Matrix Spike Dup (2431052-MSD1)					Source: E407236-05		Prepared: 07/30/24 Analyzed: 07/30/24		
Chloride	642	20.0	250	397	98.1	80-120	1.27	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	08/01/24 12:54

- 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: E407236
 Job # ~~24036-0001~~ NS
 01058-0007 7/30/24

Page 1 of 4

Project Manager:	Miranda Milwee	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) 813-9652	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:	

Project Name:	RDX 21-22		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	2402		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																		None: NO	DI Water: H ₂ O		
Project Location	Eddy County, New Mexico		Due Date:																		Cool: Cool	MeOH: Me		
Sampler's Name:	MM																				HCL: HC	HNO ₃ : HN		
PO #:	12490199																				H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	Sample Comments	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:	4°C																				
Total Containers:			Corrected Temperature:																					
Sample Identification	Date		Soil	Water	Grab/Comp	# of Cont																		
CS-1 (1.5')	7/26/2024		X		C	1	x	x	x													Lab # 1		
CS-2 (1.5')	7/26/2024		X		C	1	x	x	x													2		
CS-3 (1.5')	7/26/2024		X		C	1	x	x	x													3		
CS-4 (1.5')	7/26/2024		X		C	1	x	x	x													4		
CS-5 (1.5')	7/26/2024		X		C	1	x	x	x													5		
CS-6 (1.5')	7/26/2024		X		C	1	x	x	x													6		
CS-7 (1.5')	7/26/2024		X		C	1	x	x	x													7		
CS-8 (2.5')	7/26/2024		X		C	1	x	x	x													8		
CS-9 (2.5')	7/26/2024		X		C	1	x	x	x													9		
CS-10 (2.5')	7/26/2024		X		C	1	x	x	x													10		

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

Billing # 21190632

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Michelle Gonzales</i>	7-29-24 1125	<i>Michelle Gonzales</i>	7-29-24 1125
<i>J.M.</i>	7-29-24 1700	<i>J.M.</i>	7-29-24 1700
	7-29-24 2145	<i>Kyle R Heller</i>	7-30-24 0500

Chain of Custody

Work Order No: E407236Job # 24036-0001 NS
01058-0007 7/30/24

Page 2 of 4

Project Manager:	Miranda Milwee	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) 813-9652	Email:	jim.raley@dvn.com

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

Project Name:	RDX 21-22		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	2402		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters																	None: NO DI Water: H ₂ O		
Project Location	Eddy County, New Mexico		Due Date:				BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0																	Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na	
Sampler's Name:	MM																							H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
PO #:	12490199																								
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																		
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																				
Cooler Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																				
Sample Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:		4°C																		
Total Containers:				Corrected Temperature:																					
Sample Identification	Date	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
CS-11 (2.5')	7/26/2024	X		C	1	x	x	x											Lab # 11						
CS-12 (2.5')	7/26/2024	X		C	1	x	x	x											12						
CS-13 (1.5')	7/26/2024	X		C	1	x	x	x											13						
CS-14 (1.5')	7/26/2024	X		C	1	x	x	x											14						
CS-15 (1.5')	7/26/2024	X		C	1	x	x	x											15						
CS-16 (1.5')	7/26/2024	X		C	1	x	x	x											16						
CS-17 (1.5')	7/26/2024	X		C	1	x	x	x											17						
CS-18 (1.5')	7/26/2024	X		C	1	x	x	x											18						
SW-1 (1.5')	7/26/2024	X		C	1	x	x	x											19						
SW-2 (1.5')	7/26/2024	X		C	1	x	x	x											20						

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

Billing # 21190632

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Michelle Gonzales</i>	7-29-24 1125	<i>Michelle Gonzales</i>	7-29-24 1125
<i>J.M.</i>	7-29-24 1700	<i>J.M.</i>	7-29-24 1700
	7-29-24 2145	<i>Michael R Heale</i>	7-30-24 0500

Envirotech Analytical Laboratory

Printed: 7/30/2024 2:47:13PM

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:	07/30/24 05:00	Work Order ID:	E407236
Phone:	(432) 813-6823	Date Logged In:	07/29/24 16:36	Logged In By:	Noe Soto
Email:		Due Date:	08/05/24 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 is missing in COC by client. Project RDX 21-22 has been split to different WO due to high sample volume, WO are E407236 and E407237.

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? No

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:
Miranda Milwee



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E407237

Job Number: 01058-0007

Received: 7/30/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/5/24

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: 8/5/24

Miranda Milwee
310 West Wall St. Suite 415
Midland, TX 79701



Project Name: RDX 21-22
Workorder: E407237
Date Received: 7/30/2024 5:00:00AM

Miranda Milwee,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2024 5:00:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 08/05/24 12:58
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-3 (1.5')	E407237-01A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-4 (1.5')	E407237-02A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-5 (1.5')	E407237-03A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-6 (1.5')	E407237-04A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-7 (1.0')	E407237-05A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-8 (2.5')	E407237-06A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-9 (2.5')	E407237-07A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-10 (2.5')	E407237-08A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-11 (1.0')	E407237-09A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-12 (1.5')	E407237-10A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-13 (1.5')	E407237-11A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.
SW-14 (1.5')	E407237-12A	Soil	07/26/24	07/30/24	Glass Jar, 2 oz.

Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
---	--	----------------------------------

SW-3 (1.5')
E407237-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane	121 %	50-200		07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	364	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
---	--	----------------------------------

SW-4 (1.5')
E407237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	225	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
---	--	----------------------------------

SW-5 (1.5')
E407237-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	112 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	318	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
---	--	----------------------------------

SW-6 (1.5')
E407237-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	112 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	310	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-7 (1.0')
E407237-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	114 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	21.2	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-8 (2.5')
E407237-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	114 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	20.2	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-9 (2.5')
E407237-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	115 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	21.3	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-10 (2.5')
E407237-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	115 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	62.8	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources	Project Name:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	8/5/2024 12:58:49PM

SW-11 (1.0')
E407237-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	269	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-12 (1.5')
E407237-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	665	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-13 (1.5')
E407237-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	113 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	86.3	20.0	1	07/30/24	07/30/24	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/5/2024 12:58:49PM
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SW-14 (1.5')
E407237-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2431050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2431045	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane	118 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2431053	
Chloride	61.4	20.0	1	07/30/24	07/30/24	



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/5/2024 12:58:49PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2431050-BLK1) Prepared: 07/30/24 Analyzed: 07/31/24

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	7.14		8.00		89.2	70-130			

LCS (2431050-BS1) Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	4.31	0.0250	5.00		86.3	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.2	70-130			
Toluene	4.38	0.0250	5.00		87.5	70-130			
o-Xylene	4.29	0.0250	5.00		85.9	70-130			
p,m-Xylene	8.66	0.0500	10.0		86.6	70-130			
Total Xylenes	13.0	0.0250	15.0		86.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

Matrix Spike (2431050-MS1) Source: E407237-07 Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
o-Xylene	5.11	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2431050-MSD1) Source: E407237-07 Prepared: 07/30/24 Analyzed: 07/31/24

Benzene	4.81	0.0250	5.00	ND	96.2	54-133	6.80	20	
Ethylbenzene	4.69	0.0250	5.00	ND	93.7	61-133	6.17	20	
Toluene	4.87	0.0250	5.00	ND	97.4	61-130	6.48	20	
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131	6.34	20	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	5.90	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	6.04	20	
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.2	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/5/2024 12:58:49PM

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 (2431050-BLK1) Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.42		8.00		105	70-130			

LCS (2431050-BS2) Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			

Matrix Spike (2431050-MS2) Source: E407237-07 Prepared: 07/30/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			

Matrix Spike Dup (2431050-MSD2) Source: E407237-07 Prepared: 07/30/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130	5.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/5/2024 12:58:49PM

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 (2431045-BLK1) Prepared: 07/30/24 Analyzed: 07/30/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.4		50.0		123	50-200			

LCS (2431045-BS1) Prepared: 07/30/24 Analyzed: 07/30/24

Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

Matrix Spike (2431045-MS1) Source: E407228-04 Prepared: 07/30/24 Analyzed: 07/30/24

Diesel Range Organics (C10-C28)	34600	1250	250	33200	536	38-132			M4
Surrogate: n-Nonane	83.6		50.0		167	50-200			

Matrix Spike Dup (2431045-MSD1) Source: E407228-04 Prepared: 07/30/24 Analyzed: 07/30/24

Diesel Range Organics (C10-C28)	24100	1250	250	33200	NR	38-132	35.6	20	M4, R3
Surrogate: n-Nonane	78.9		50.0		158	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/5/2024 12:58:49PM

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 (2431053-BLK1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Chloride	ND	20.0							
LCS (2431053-BS1)					Prepared: 07/30/24 Analyzed: 07/30/24				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2431053-MS1)					Source: E407237-02		Prepared: 07/30/24 Analyzed: 07/30/24		
Chloride	481	20.0	250	225	103	80-120			
Matrix Spike Dup (2431053-MSD1)					Source: E407237-02		Prepared: 07/30/24 Analyzed: 07/30/24		
Chloride	480	20.0	250	225	102	80-120	0.322	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	08/05/24 12:58

- 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.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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: E407237Job # 24036-0001 ^{N3}
01058-0007 ^{7/3/24}

Page 3 of 4

Project Manager:	Miranda Milwee	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) 813-9652	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:	

Project Name:	RDX 21-22		Turn Around		Parameters	ANALYSIS REQUEST																Preservative Codes		
Project Number:	2402		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Pres. Code																	None: NO	DI Water: H ₂ O
Project Location	Eddy County, New Mexico		Due Date:																				Cool: Cool	MeOH: Me
Sampler's Name:	MM																						HCL: HC	HNO ₃ : HN
PO #:	12490199																						H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																	NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	40C																Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:																	NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Soil	Water	Grab/Comp	# of Cont																	Sample Comments		
SW-3 (1.5')	7/26/2024	X		C	1	x	x	x															Lab # 1	
SW-4 (1.5')	7/26/2024	X		C	1	x	x	x															2	
SW-5 (1.5')	7/26/2024	X		C	1	x	x	x															3	
SW-6 (1.5')	7/26/2024	X		C	1	x	x	x															4	
SW-7 (1.0')	7/26/2024	X		C	1	x	x	x															5	
SW-8 (2.5')	7/26/2024	X		C	1	x	x	x															6	
SW-9 (2.5')	7/26/2024	X		C	1	x	x	x															7	
SW-10 (2.5')	7/26/2024	X		C	1	x	x	x															8	
SW-11 (1.0')	7/26/2024	X		C	1	x	x	x															9	
SW-12 (1.5')	7/26/2024	X		C	1	x	x	x															10	

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

Billing # 21190632

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Michelle Gonzales</i>	7-29-24 1125	<i>Michelle Gonzales</i>	7-29-24 1125
<i>A.H.</i>	7-29-24 1700	<i>A.H.</i>	7-29-24 1700
	7-29-24 2145	<i>Michael R. Hall</i>	7-30-24 0500

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Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>M. Michelle Gonzales</i>	7-29-24 1125	<i>Michelle Gonzales</i>	7-29-24 1125
<i>P. H.</i>	7-29-24 1700	<i>P. H.</i>	7-29-24 1700
	7-29-24 2145	<i>Michelle R. H.</i>	7-30-24 08

Envirotech Analytical Laboratory

Printed: 7/30/2024 2:46:54PM

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:	07/30/24 05:00	Work Order ID:	E407237
Phone:	(432) 813-6823	Date Logged In:	07/29/24 16:47	Logged In By:	Noe Soto
Email:		Due Date:	08/05/24 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: CourierSample 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? No

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 InstructionComments/Resolution

Time sampled is missing in COC by client. Project RDX 21-22 has been split to different WO due to high sample volume, WO are E407236 and E407237.

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

Date



envirotech Inc.

Report to:
Jim Raley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E408174

Job Number: 01058-0007

Received: 8/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/22/24

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: 8/22/24



Jim Raley
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: RDX 21-22
Workorder: E408174
Date Received: 8/21/2024 5:00:00AM

Jim Raley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/21/2024 5:00:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	08/22/24 14:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-12 (2.5')	E408174-01A	Soil	08/14/24	08/21/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: RDX 21-22
Project Number: 01058-0007
Project Manager: Jim Raley

Reported:
8/22/2024 2:40:22PM

SW-12 (2.5')

E408174-01

Analyte	Reporting		Dilution	Prepared	Analyzed	Notes	
	Result	Limit					
Volatile Organic Compounds by EPA 8260B			mg/kg	mg/kg	Analyst: IY		Batch: 2434040
Benzene	ND	0.0250	1	08/21/24	08/22/24		
Ethylbenzene	ND	0.0250	1	08/21/24	08/22/24		
Toluene	ND	0.0250	1	08/21/24	08/22/24		
o-Xylene	ND	0.0250	1	08/21/24	08/22/24		
p,m-Xylene	ND	0.0500	1	08/21/24	08/22/24		
Total Xylenes	ND	0.0250	1	08/21/24	08/22/24		
Surrogate: Bromofluorobenzene			109 %	70-130	08/21/24	08/22/24	
Surrogate: 1,2-Dichloroethane-d4			93.9 %	70-130	08/21/24	08/22/24	
Surrogate: Toluene-d8			105 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - GRO			mg/kg	mg/kg	Analyst: IY		Batch: 2434040
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/24	08/22/24		
Surrogate: Bromofluorobenzene			109 %	70-130	08/21/24	08/22/24	
Surrogate: 1,2-Dichloroethane-d4			93.9 %	70-130	08/21/24	08/22/24	
Surrogate: Toluene-d8			105 %	70-130	08/21/24	08/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO			mg/kg	mg/kg	Analyst: NV		Batch: 2434041
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/24	08/22/24		
Oil Range Organics (C28-C36)	ND	50.0	1	08/21/24	08/22/24		
Surrogate: n-Nonane			79.7 %	50-200	08/21/24	08/22/24	
Anions by EPA 300.0/9056A			mg/kg	mg/kg	Analyst: DT		Batch: 2434043
Chloride	ND	20.0	1	08/21/24	08/21/24		



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	8/22/2024 2:40:22PM

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 (2434040-BLK1) Prepared: 08/21/24 Analyzed: 08/21/24

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	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2434040-BS1) Prepared: 08/21/24 Analyzed: 08/21/24

Benzene	2.34	0.0250	2.50		93.6	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.4	70-130			
Toluene	2.41	0.0250	2.50		96.3	70-130			
o-Xylene	2.26	0.0250	2.50		90.3	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Total Xylenes	6.81	0.0250	7.50		90.8	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2434040-MS1) Source: E408172-10 Prepared: 08/21/24 Analyzed: 08/21/24

Benzene	2.31	0.0250	2.50	ND	92.4	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135			
Toluene	2.32	0.0250	2.50	ND	93.0	48-130			
o-Xylene	2.29	0.0250	2.50	ND	91.4	43-135			
p,m-Xylene	4.56	0.0500	5.00	ND	91.2	43-135			
Total Xylenes	6.85	0.0250	7.50	ND	91.3	43-135			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2434040-MSD1) Source: E408172-10 Prepared: 08/21/24 Analyzed: 08/21/24

Benzene	2.21	0.0250	2.50	ND	88.5	48-131	4.31	23	
Ethylbenzene	2.24	0.0250	2.50	ND	89.5	45-135	3.64	27	
Toluene	2.23	0.0250	2.50	ND	89.1	48-130	4.31	24	
o-Xylene	2.18	0.0250	2.50	ND	87.2	43-135	4.66	27	
p,m-Xylene	4.41	0.0500	5.00	ND	88.2	43-135	3.36	27	
Total Xylenes	6.59	0.0250	7.50	ND	87.9	43-135	3.79	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	8/22/2024 2:40:22PM

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 (2434040-BLK1) Prepared: 08/21/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2434040-BS2) Prepared: 08/21/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike (2434040-MS2) Source: E408172-10 Prepared: 08/21/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike Dup (2434040-MSD2) Source: E408172-10 Prepared: 08/21/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	7.64	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	8/22/2024 2:40:22PM

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 (2434041-BLK1) Prepared: 08/21/24 Analyzed: 08/22/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.9		50.0		83.8	50-200			

LCS (2434041-BS1) Prepared: 08/21/24 Analyzed: 08/22/24

Diesel Range Organics (C10-C28)	187	25.0	250		74.8	38-132			
Surrogate: n-Nonane	38.8		50.0		77.7	50-200			

Matrix Spike (2434041-MS1) Source: E408172-08 Prepared: 08/21/24 Analyzed: 08/22/24

Diesel Range Organics (C10-C28)	192	25.0	250	ND	76.8	38-132			
Surrogate: n-Nonane	39.5		50.0		78.9	50-200			

Matrix Spike Dup (2434041-MSD1) Source: E408172-08 Prepared: 08/21/24 Analyzed: 08/22/24

Diesel Range Organics (C10-C28)	192	25.0	250	ND	76.9	38-132	0.0388	20	
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Jim Raley	8/22/2024 2:40:22PM

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 (2434043-BLK1)					Prepared: 08/21/24 Analyzed: 08/21/24				
Chloride	ND	20.0							
LCS (2434043-BS1)					Prepared: 08/21/24 Analyzed: 08/21/24				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2434043-MS1)					Source: E408172-03		Prepared: 08/21/24 Analyzed: 08/21/24		
Chloride	374	20.0	250	116	103	80-120			
Matrix Spike Dup (2434043-MSD1)					Source: E408172-03		Prepared: 08/21/24 Analyzed: 08/21/24		
Chloride	379	20.0	250	116	105	80-120	1.46	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Jim Raley	08/22/24 14:40

- 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.



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Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <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:	

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Envirotech Analytical Laboratory

Printed: 8/21/2024 9:24:59AM

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:	08/21/24 05:00	Work Order ID:	E408174
Phone:	(432) 813-6823	Date Logged In:	08/20/24 15:50	Logged In By:	Raina Schwanz
Email:		Due Date:	08/22/24 17:00 (1 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 not 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? No
Collectors name? No

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:
Miranda Milwee



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: RDX 21-22

Work Order: E408055

Job Number: 01058-0007

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/24

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: 8/8/24

Miranda Milwee
310 West Wall St. Suite 415
Midland, TX 79701



Project Name: RDX 21-22
Workorder: E408055
Date Received: 8/7/2024 10:30:00AM

Miranda Milwee,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 10:30:00AM, under the Project Name: RDX 21-22.

The analytical test results summarized in this report with the Project Name: RDX 21-22 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Sample Summary

Carmona Resources	Project Name:	RDX 21-22	Reported: 08/08/24 13:42
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
MOS Crushing Pit	E408055-01A	Soil	08/06/24	08/07/24	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: RDX 21-22 Project Number: 01058-0007 Project Manager: Miranda Milwee	Reported: 8/8/2024 1:42:01PM
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MOS Crushing Pit
E408055-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432052	
Benzene	ND	0.0250	1	08/07/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/07/24	
Toluene	ND	0.0250	1	08/07/24	08/07/24	
o-Xylene	ND	0.0250	1	08/07/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/07/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/07/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2432044	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/07/24	
Surrogate: n-Nonane	83.0 %	50-200		08/07/24	08/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432048	
Chloride	183	20.0	1	08/07/24	08/07/24	



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/8/2024 1:42:01PM

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 (2432052-BLK1) Prepared: 08/07/24 Analyzed: 08/07/24

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	7.31		8.00		91.4	70-130			

LCS (2432052-BS1) Prepared: 08/07/24 Analyzed: 08/07/24

Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			

Matrix Spike (2432052-MS1) Source: E408050-09 Prepared: 08/07/24 Analyzed: 08/07/24

Benzene	4.39	0.0250	5.00	ND	87.8	54-133			
Ethylbenzene	4.12	0.0250	5.00	ND	82.5	61-133			
Toluene	4.33	0.0250	5.00	ND	86.5	61-130			
o-Xylene	4.20	0.0250	5.00	ND	83.9	63-131			
p,m-Xylene	8.52	0.0500	10.0	ND	85.2	63-131			
Total Xylenes	12.7	0.0250	15.0	ND	84.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			

Matrix Spike Dup (2432052-MSD1) Source: E408050-09 Prepared: 08/07/24 Analyzed: 08/07/24

Benzene	4.88	0.0250	5.00	ND	97.7	54-133	10.7	20	
Ethylbenzene	4.61	0.0250	5.00	ND	92.3	61-133	11.2	20	
Toluene	4.82	0.0250	5.00	ND	96.4	61-130	10.8	20	
o-Xylene	4.68	0.0250	5.00	ND	93.7	63-131	11.0	20	
p,m-Xylene	9.52	0.0500	10.0	ND	95.2	63-131	11.0	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131	11.0	20	
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/8/2024 1:42:01PM

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 (2432052-BLK1) Prepared: 08/07/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			

LCS (2432052-BS2) Prepared: 08/07/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130			

Matrix Spike (2432052-MS2) Source: E408050-09 Prepared: 08/07/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			

Matrix Spike Dup (2432052-MSD2) Source: E408050-09 Prepared: 08/07/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130	3.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.57		8.00		107	70-130			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/8/2024 1:42:01PM

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 (2432044-BLK1) Prepared: 08/07/24 Analyzed: 08/07/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			

LCS (2432044-BS1) Prepared: 08/07/24 Analyzed: 08/07/24

Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

Matrix Spike (2432044-MS1) Source: E408048-01 Prepared: 08/07/24 Analyzed: 08/07/24

Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			

Matrix Spike Dup (2432044-MSD1) Source: E408048-01 Prepared: 08/07/24 Analyzed: 08/07/24

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	0.902	20	
Surrogate: n-Nonane	49.3		50.0		98.5	50-200			



QC Summary Data

Carmona Resources	Project Name:	RDX 21-22	Reported:
310 West Wall St. Suite 415	Project Number:	01058-0007	
Midland TX, 79701	Project Manager:	Miranda Milwee	8/8/2024 1:42:01PM

Anions by EPA 300.0/9056A

Analyst: DT

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 (2432048-BLK1)					Prepared: 08/07/24 Analyzed: 08/07/24				
Chloride	ND	20.0							
LCS (2432048-BS1)					Prepared: 08/07/24 Analyzed: 08/07/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2432048-MS1)					Source: E408048-03		Prepared: 08/07/24 Analyzed: 08/07/24		
Chloride	754	200	250	343	165	80-120			M1
Matrix Spike Dup (2432048-MSD1)					Source: E408048-03		Prepared: 08/07/24 Analyzed: 08/07/24		
Chloride	636	200	250	343	117	80-120	17.0	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:	RDX 21-22	
310 West Wall St. Suite 415	Project Number:	01058-0007	Reported:
Midland TX, 79701	Project Manager:	Miranda Milwee	08/08/24 13:42

- M1 Matrix spike recovery was above acceptance limits. 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.



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: _____			

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Mockring		Michelle Gonzales	8-6-24 12:10
Michelle Gonzales	8-6-24 17:05	AM	8-6-24 17:05
AM	8-6-24 23:30	Raia Lundy	8/7/24 10:30

Envirotech Analytical Laboratory

Printed: 8/7/2024 4:01:17PM

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:	08/07/24 10:30	Work Order ID:	E408055
Phone:	(432) 813-6823	Date Logged In:	08/07/24 08:20	Logged In By:	Raina Schwanz
Email:		Due Date:	08/08/24 17:00 (1 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 not listed 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? No
 - Collectors name? No

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 382669

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	382669
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416548536
Incident Name	NAPP2416548536 RDX 21-22 @ 30-015-40561
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-40561] RDX FEDERAL 21 #022

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX 21-22
Date Release Discovered	06/03/2024
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: Human Error Transport Produced Water Released: 10 BBL Recovered: 9 BBL Lost: 1 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.

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, Page 2

Action 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 382669
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 09/11/2024
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QUESTIONS, Page 3

Action 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	382669
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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	High
A 100-year floodplain	Between 500 and 1000 (ft.)
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)	22800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	460
GRO+DRO	(EPA SW-846 Method 8015M)	244
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed 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	07/23/2024
On what date will (or did) the final sampling or liner inspection occur	07/26/2024
On what date will (or was) the remediation complete(d)	08/23/2024
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	0
What is the estimated surface area (in square feet) that will be remediated	3600
What is the estimated volume (in cubic yards) that will be remediated	270

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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QUESTIONS, Page 4

Action 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	382669
	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 off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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@dvsn.com Date: 09/11/2024
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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 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	382669
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 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	382669
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	366330
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/26/2024
What was the (estimated) number of samples that were to be gathered	38
What was the sampling surface area in square feet	3596

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	3600
What was the total volume (cubic yards) remediated	270
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)	Impacted soils removed.

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: 09/11/2024
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QUESTIONS, Page 7

Action 382669

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	382669
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 382669

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 382669
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/27/2024