



SITE CHARACTERIZATION AND REMEDATION PLAN ADDENDUM

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Site Information:

RDX 15 East Production Pad

Incident Numbers

nAPP2423222600

nAPP2511255724

Unit I, Section 15, Township 26 South, Range 30 East

Eddy County, New Mexico

(32.0416679°, -103.8637238°)

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Site Characterization and Remediation Plan Addendum (SCRPA) detailing soil sampling activities associated with two inadvertent releases of produced water at the RDX 15 East Production Pad (Site). Based on laboratory analytical results from soil sampling activities at the Site, WPX proposes this SCRPA, which summarizes initial response efforts and details remediation objectives to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

The production well (API 30-015-39935) for this Site is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM). The subject releases are located west of the production well at the tank battery containment, which is depicted in **Figure 1** in **Appendix A**. Please note that the production well has been plugged and abandoned; however, the tank battery remains active.

nAPP2423222600

On August 15, 2024, a storage tank failure resulted in the release of approximately 20 barrels (bbls) of produced water within an earthen bermed tank battery containment (EBTBC). A vacuum truck was dispatched to the Site and recovered approximately 15 bbls of fluids. The incident was reported to the New Mexico Conservation Division (NMOCD) on a Release Notification and Corrective Action Form (Form C-141) on August 19, 2024, and was subsequently assigned Incident Number nAPP2423222600. The observed extent of the release was mapped with a handheld Global Positioning System (GPS) unit, hereafter referred to as the Area of Concern #1 (AOC #1), which is depicted in **Figure 2** in **Appendix A**.

Between June 26, 2024, and November 7, 2024, Etech conducted initial site assessment, delineation, and confirmation activities at the Site to investigate residual impacts associated with AOC #1. Upon receipt of analytical results, a Site Characterization Remediation Plan (SCRP) was prepared and submitted to the NMOCD on November 13, 2024, which outlined subsequent corrective measures to address identified impacts surpassing the Site Closure Criteria. The SCRCP, assigned application ID (403003), was approved by the NMOCD on December 20, 2024, with the following condition(s):

- *The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. The release area will need confirmation floor/sidewall samples representing no more than 200 ft². Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined, especially around equipment. The work will need to occur in 90 days after the report has been reviewed.*

Since the approval of the SCRCP on December 20, 2024, another inadvertent release was discovered, majorly overlapping AOC #1 (Incident Number nAPP2511255724). WPX submitted two extension requests on March 19, 2025, and June 18, 2025, respectively, to provide sufficient time for further planning, conducting additional cultural survey(s), soil sampling, and preparation of an updated report. It should be noted that since the submittal and approval of the SCRCP, a dry boring was advanced up to 110 feet below ground surface (bgs), and an Environmental Karst Study (EKS) ultimately determined the Site as "stable". As such, the Site Closure Criteria for the release have been updated and are explained in detail in later sections of this SCRPA.

nAPP2511255724

On April 22, 2025, it was discovered that a water transfer pump failure resulted in the release of 96 bbls of produced water within the EBTBC. A vacuum truck was immediately dispatched to the Site and recovered approximately 86 bbls of fluids. On the same day as the release discovery, the incident details listed above were reported to the NMOCD on a Notification of Release (NOR) form, which was assigned Incident Number nAPP2511255724. Further evaluation of the release determined that the original release volume estimate was inadvertently conservative, and the updated values of 161 bbls released and 151 bbls recovered were subsequently updated and reported to the NMOCD on a Form C-141 on April 29, 2025. The observed extent of the release was mapped with a handheld GPS unit, hereafter referred to as the Area of Concern #2 (AOC #2), which is depicted in **Figure 2** in **Appendix A**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC), considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs) based on a recently advanced soil boring (C-04955 POD-1) located approximately ½-mile south of the Site. On April 29, 2025, Talon LPE (Talon) advanced the soil boring via a truck-mounted drill rig equipped with an air rotary to a total depth of 110 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. Regional soil borings and groundwater wells are shown in **Figure 1A** in **Appendix A**. The referenced boring log is provided as **Appendix B**.

The Site is located within a designated medium karst potential area. As a result, Advanced Geophysics, LLC (AG) was retained to conduct an environmental karst survey (aerial and geophysical studies) to determine if the Site was considered “stable” or “unstable” in accordance with the NMOCD Karst Public Notice. The assessment indicated no surface karst features were detected within 200 feet of the Site. However, multiple subsurface anomalies were identified within the survey area as potential artifacts (false positives) or karst-related features.

However, given the intra-pad survey area and known propensity for subsurface metallic structures to generate such data anomalies, WPX retained Dave Decker, PhD, with Southwest Geophysical Consulting, LLC (Southwest Geophysical), to review and re-evaluate AG’s findings. Southwest Geophysical reprocessed AG’s raw data set and found that the AG discovered anomalies were noise-related and ultimately able to be removed for a ‘clean’ data set. It was noted that the anomalies were most likely generated by existing pad infrastructure, and Southwest Geophysical concluded that there was no

indication that subsurface karst exists beneath the Site, and the Site was “stable”. The cover letter from Southwest Geophysical and the AG report are presented in the EKS included in **Appendix C**. The reprocessed imagery results may be provided upon request.

All remaining potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1A**, **Figure 1B**, and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review, EKS, and estimated depth to groundwater at the Site, the following Closure Criteria were applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO)+ TPH-Deisel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

DELINEATION SOIL SAMPLING ACTIVITIES

From June 26, 2025, to August 22, 2025, Etech conducted delineation to assess the vertical and lateral extents of residual impacts associated with the AOCs. Twenty-four delineation potholes (PH01 through PH24) were advanced via mechanical equipment. Delineation was driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples were collected for laboratory analysis per delineation soil sampling location, representing the highest observed field screening concentration(s) and the terminus depth. Field screening results and soil descriptions are detailed on Soil Sampling Logs included in **Appendix D**. Photographic documentation of excavation activities is included in **Appendix E**.

The delineation soil samples were placed into lab-provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. in Farmington, New Mexico, for analysis of the COCs. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated concentrations of the COCs were below the Site Closure Criteria. Concentrations of chloride for soil samples collected within the pasture portion of the AOCs exceeded the reclamation standard up to 1-foot bgs.

Laboratory analytical results for delineation soil samples collected surrounding the AOCs and assisting with lateral delineation were compliant with the Site Closure Criteria and reclamation standard.

Laboratory analytical results are summarized in **Table 1**, included in **Appendix F**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix G**.

REMEDATION PLAN

Based on the delineation analytical results presented in the previously approved SCRCP and this SCRPA, the following conclusions regarding the releases are presented:

- Residual impacts, defined by the applicable Site Closure Criteria, appear to be contained within the top 0.5-foot bgs of the western adjacent pasture and have been sufficiently vertically and horizontally delineated.
- The Site is in a medium karst potential area designated by the BLM, and further evaluation by Southwest Geophysical indicated that the surface ground is “stable”.
- Nearby water well data indicates groundwater to be greater than 100 feet bgs, and no other apparent sensitive receptors are within the proximity of the Site.

Based on the conclusions drawn above, WPX proposes the following remedial corrective actions:

- WPX proposes to advance excavation activities referencing laboratory analytical results in the SCRCP and this SCRPA, or otherwise extended vertically and laterally until the applicable Site Closure Criteria is met. The proposed excavation area(s) can be referenced in **Figure 3** in **Appendix A**. However, advancement of the excavation(s) may be inhibited by active production equipment or utilities, in which case, WPX or third-party operator(s) may implement encroachment requirements for the health and safety of on-site personnel. Such restrictions include, but are not limited to:
 - Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
- Following the completion of excavation activities, 5-point composite confirmation soil samples will be collected from the excavation sidewalls and floors. Additional 5-point composite confirmation soil samples will be collected from the edges of the combined AOC #1 and AOC #2 areas (AOC Totale) and from the surface of the remainder of the AOC Totale. The composite confirmation soil samples will be handled and analyzed for COCs by an accredited laboratory as previously described.
 - Due to the extensive area of the confirmation soil sampling area (approximately 6,796 square feet) and the lack of sensitive receptors within proximity of the Site, WPX requests a soil sampling variance of 400 square feet per confirmation soil sample. As such, 17 samples are anticipated to be collected from the surface of the AOC Totale and/or excavation floors compared to 34 samples following the standard 200 square foot soil sampling frequency (**Figure 4** in **Appendix A**). The sampling frequency for the edge of the AOC Totale and/or excavation sidewalls will remain at 200 square feet. Since there are no designated cultural properties, biological sensitive areas, or other environmental resources in consideration to the Site, WPX believes that the proposed reduced sampling frequency will be equally protective of human health, the environment, and groundwater.
 - Based on laboratory analytical results, WPX will advance additional excavation(s) for confirmation soil sample(s) that exceed the Site Closure Criteria within proximity to the respective sample(s) up to 0.5-foot bgs or until the Site Closure Criteria is met. Subsequent confirmation excavation soil samples will be collected from the excavation following the proposed sampling frequency, handled, and analyzed by an accredited laboratory for COCs as previously described.
- Upon receipt of confirmation soil sample laboratory analytical results indicating compliance with the applicable Site Closure Criteria, WPX will backfill the excavation(s) with clean, locally sourced soil

and restored to "as close to its original state as possible". Off-pad disturbed area(s) will be reseeded with the appropriate BLM seed mix according to BLM guidelines.

PROPOSED SCHEDULE

Upon notice of NMOCD approval of this SCRP, WPX will begin the proposed remediation activities as outlined above within 90 days. WPX believes this SCRPA meets the requirements set forth in NMAC 19.15.29.13 and to be protective of human health, the environment, and groundwater. As such, WPX respectfully requests to proceed with the proposed remediation outline.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or joseph@etechnv.com or Erick Herrera at (432) 305-6416 or erick@etechnv.com. **Appendix H** provides correspondence and/or email notification receipts associated with the subject release.

Sincerely,
Etech Environmental and Safety Solutions, Inc.



Erick Herrera
Lead Project Geologist



Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

- Appendix A:** Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
Figure 3: Proposed Excavation Extent
Figure 4: Sampling Variance Grid
- Appendix B:** Referenced Well Records
- Appendix C:** Environmental Karst Study
- Appendix D:** Soil Sampling Logs
- Appendix E:** Photographic Log
- Appendix F:** Tables
- Appendix G:** Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix H:** Correspondence & Notifications

APPENDIX A

Figures

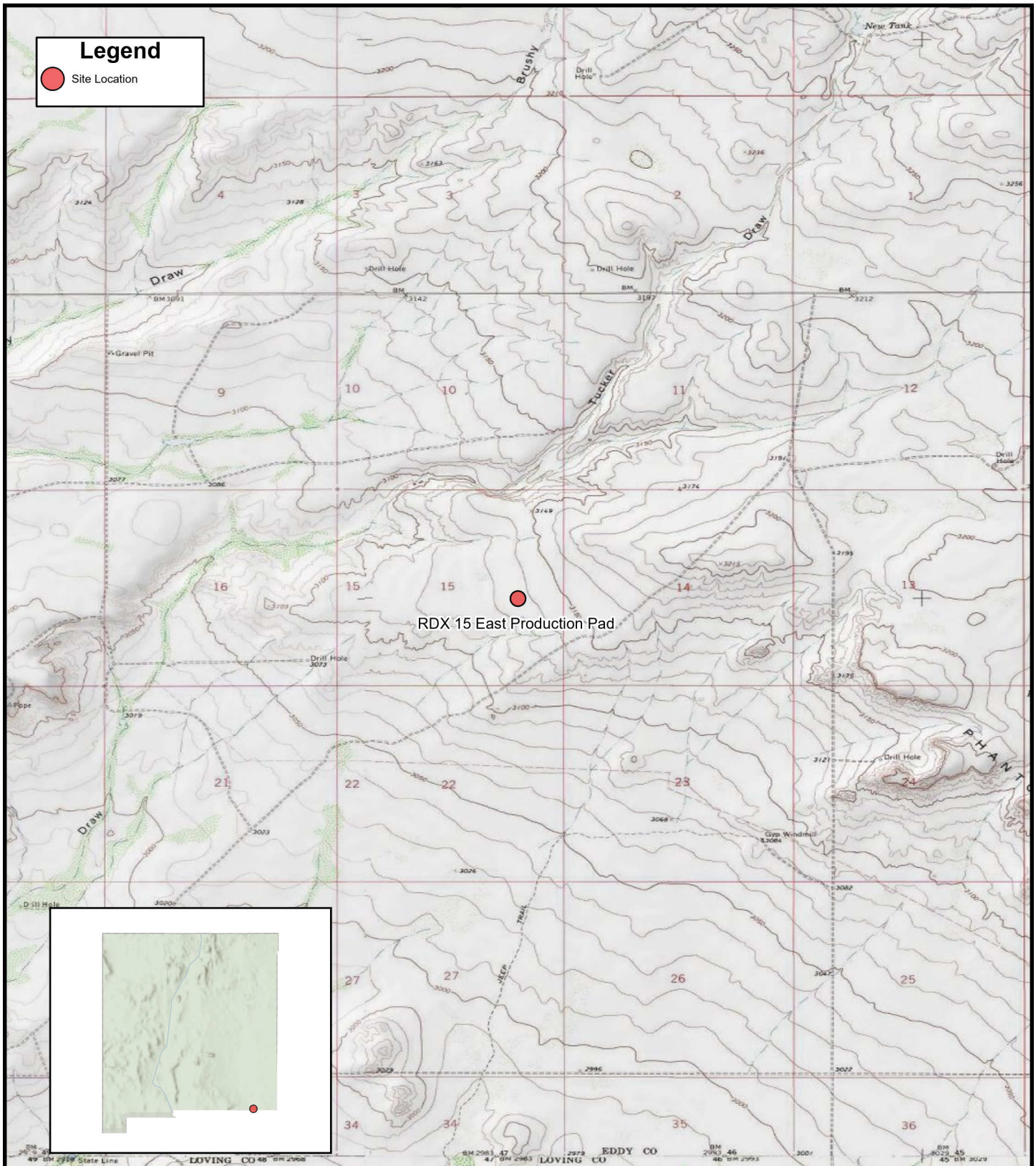


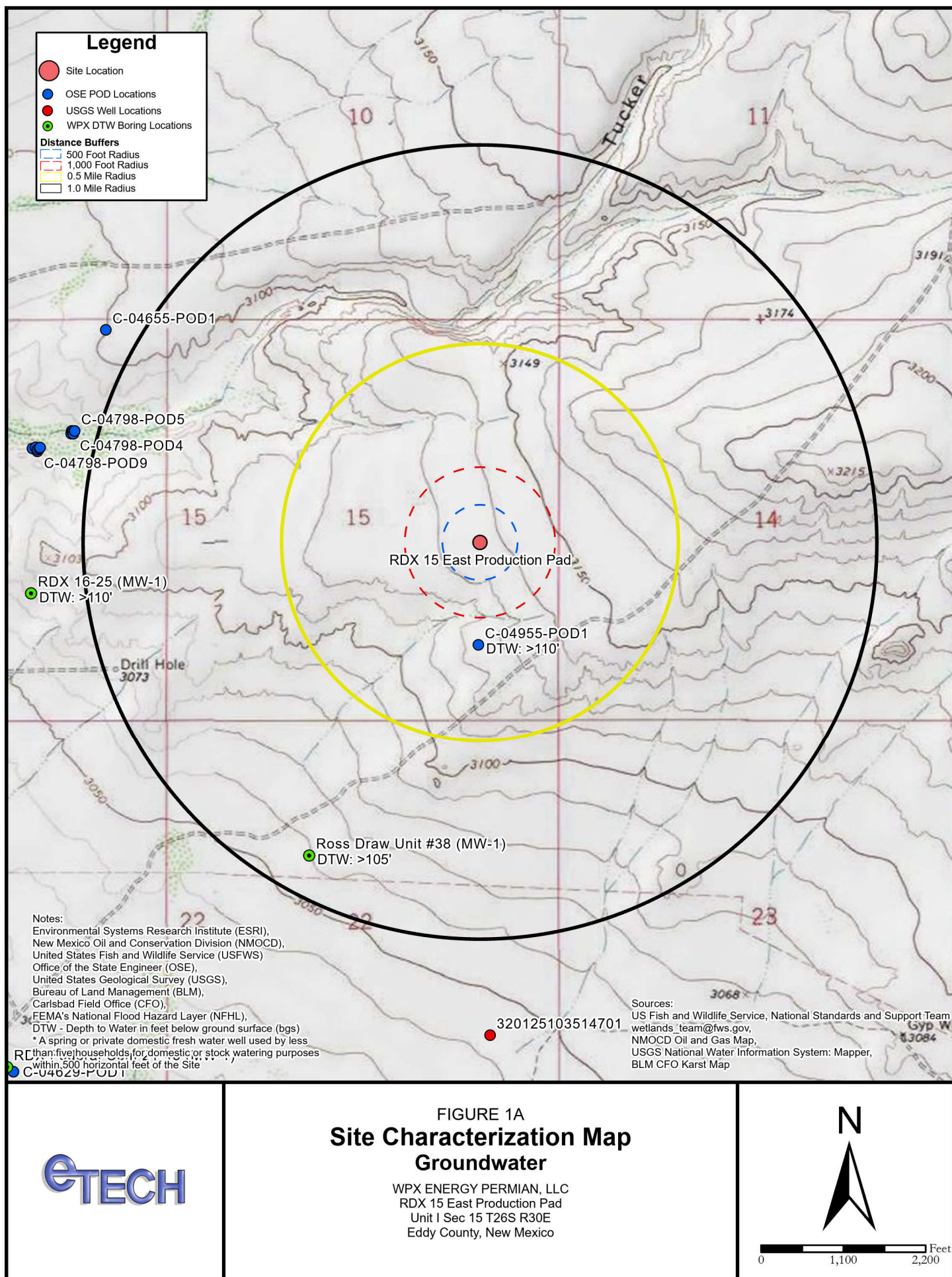
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 15 East Production Pad
Unit 1 Sec 15 T26S R30E
Eddy County, New Mexico



0 2,000 4,000 Feet



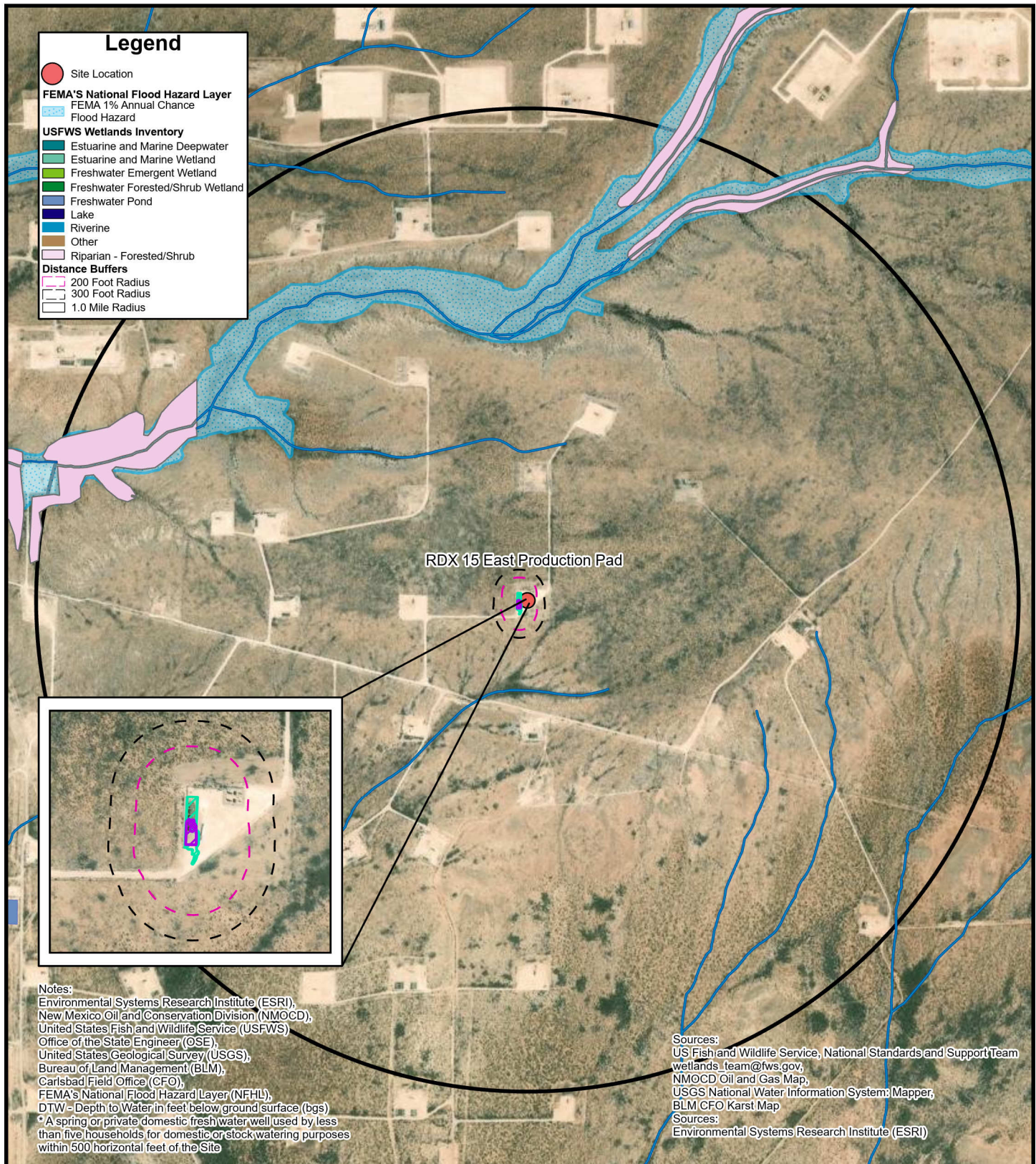
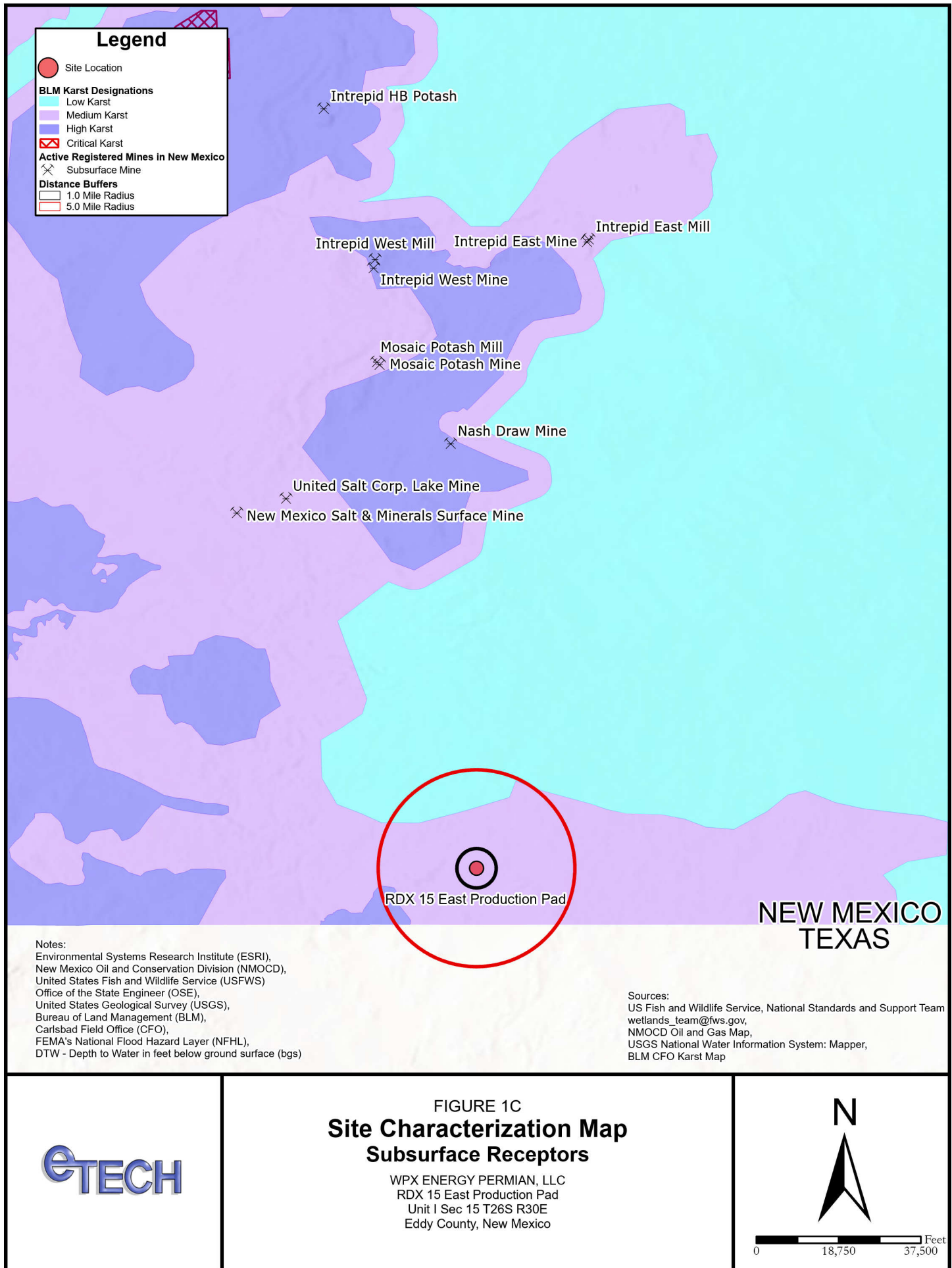


FIGURE 1B
**Site Characterization Map
 Surficial Receptors**

WPX ENERGY PERMIAN, LLC
 RDX 15 East Production Pad
 Unit I Sec 15 T26S R30E
 Eddy County, New Mexico



0 970 1,940 Feet



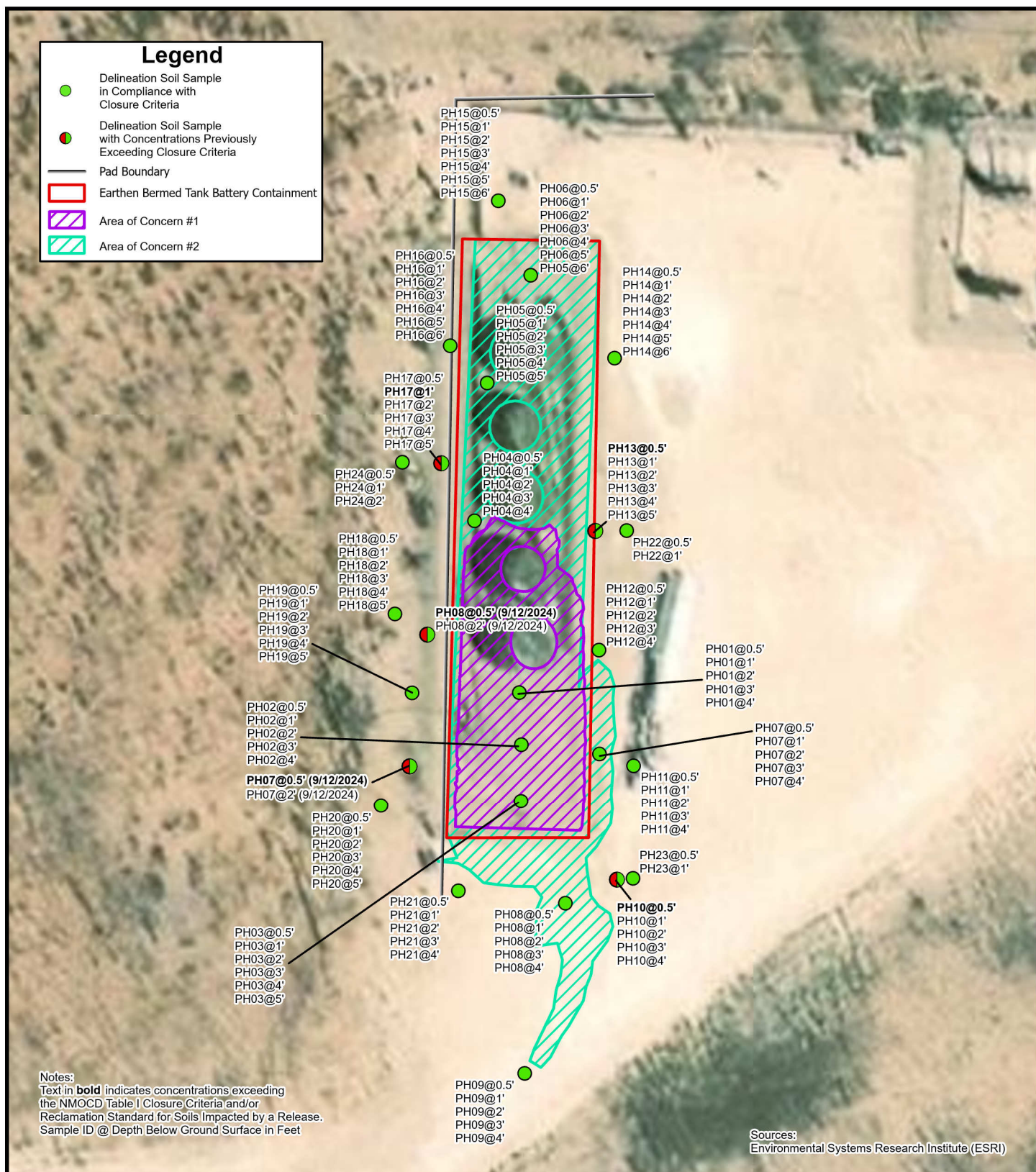


FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 15 East Production Pad
Unit I Sec 15 T26S R30E
Eddy County, New Mexico

N

0 20 40 Feet

eTECH



FIGURE 3

Proposed Excavation Areas

WPX ENERGY PERMIAN, LLC
RDX 15 East Production Pad
Unit 1 Sec 15 T26S R30E
Eddy County, New Mexico



0 25 50 Feet

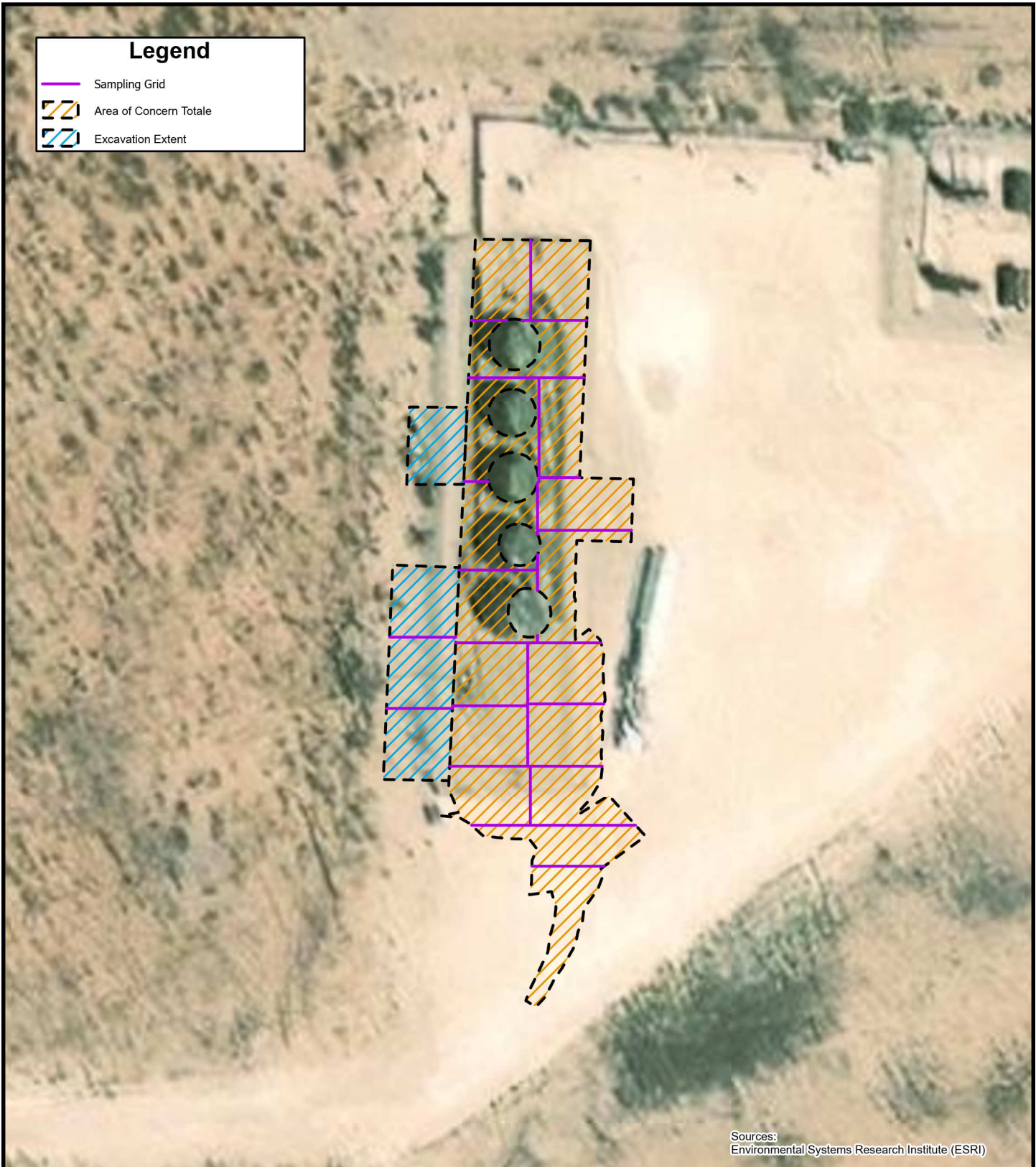


FIGURE 4

Sampling Variance Grid

WPX ENERGY PERMIAN, LLC
RDX 15 East Production Pad
Unit 1 Sec 15 T26S R30E
Eddy County, New Mexico



0 25 50 Feet

APPENDIX B

Referenced Well Records

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04955			
	WELL OWNER NAME(S) Devon Energy Corporation				PHONE (OPTIONAL) 575-689-7597			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 2	SECONDS 16.854	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -103	51	50.511	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Sec. 15, TWN 26S, RNG 30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1898		NAME OF LICENSED DRILLER Jason R Shubert			NAME OF WELL DRILLING COMPANY Talon/LPE, Ltd.		
	DRILLING STARTED 04/29/25	DRILLING ENDED 04/29/25	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED 05/02/2025		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	90	6.275	Sch 40 PVC	Riser	2	0.25	-
	90	109.5	6.275	Sch 40 PVC	Screen	2	0.25	0.010
	109.5	110	6.275	Sch 40 PVC	Sump/End Cap	2	0.25	-
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	88	6.275	Hydrated Bentonite Chips	16.47	Gravity		
	88	110	6.275	10-20 Silica Sand	4.11	Gravity		

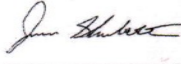
FOR OSE INTERNAL USE

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

FILE NO. C-4955	POD NO. 1	TRN NO. 782 315
LOCATION 26S. 30E. 15 144	WELL TAG ID NO. NA	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	10	10	CALICHE, dry, tan, well grade w/silt, v fine-v coarse, subang-subround grav, poorly consolidated, low cohesiveness, no stain/odor.	Y ✓ N	
			@4' Decrease of gravel from some to trace	Y ✓ N	
10	32	22	SAND, dry, light brown, well grade w/trace silt, fine-coarse, angular grav, mod consolidated, low cohesiveness, no stain/odor.	Y ✓ N	
			@15' Decrease in consolidation, increase in sand	Y ✓ N	
32	40	8	SAND, dry, light brown, poorly grade w/abundant silt, v fine-fine, mod consolidated w/v fine lamination, low cohesiveness, no stain/odor.	Y ✓ N	
40	50	10	SAND, dry, light brown, Well grade w/trace silt, v fine-coarse, Some grav (Subround-well rounded), poorly consolidated, low cohesiveness, no stain/odor.	Y ✓ N	
			@43' Increase in gravel from some the abundant	Y ✓ N	
50	110	60	SAND, dry, tan, poorly graded with trace silt, very fine to fine grain, poorly consolidated low cohesiveness, no stain, no odor.	Y ✓ N	
			@56' Color change to yellowish tan	Y ✓ N	
			@59' Color change from yellowish tan to tan	Y ✓ N	
			@62' Color change from tan to light brown	Y ✓ N	
			@70' Increase of silt from trace to some	Y ✓ N	
			@80' Color change from light brown to reddish brown	Y ✓ N	
			@84' Color change from reddish brown to light brown, Decrease silt from some	Y ✓ N	
			@100' Color change from light to dark brown, Increase silt from trace to silt	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Boring was plugged using hydrated bentonite after a 72 hour observation period. Plugging Log attached.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jose A Salas	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Digitally signed by Jason R Shubert DN: cn=Jason R Shubert, o=TaloniPE Ltd, ou=01, email=jshubert@talonipe.com, c=US Date: 2025.05.20 14:31:58 -05'00'	Jason A Shubert 05/20/2025
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

OSE DII ROSWELL NM
27 MAY '25 AM8:58

FOR OSE INTERNAL USE

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

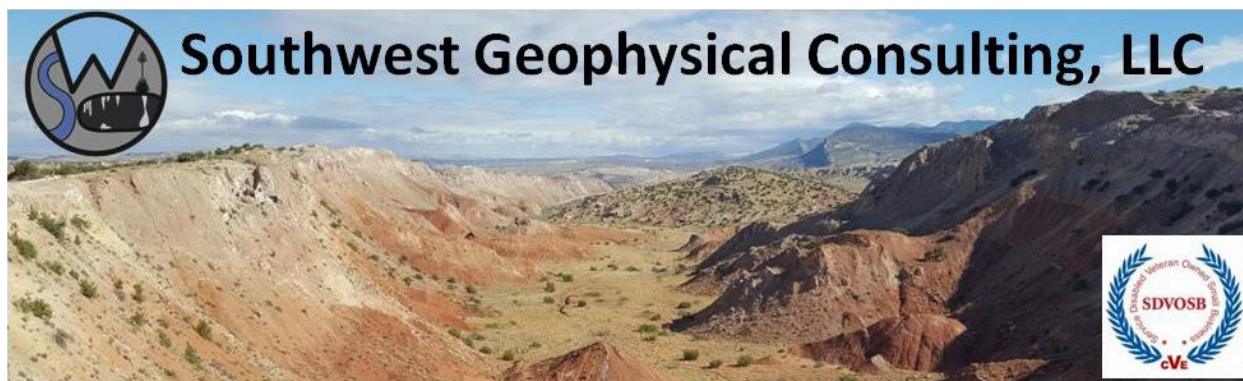
FILE NO. C-4955	POD NO. 1	TRN NO. 78235
LOCATION 2WS-3DE-15 144	WELL TAG ID NO. NA	PAGE 2 OF 2

APPENDIX C

Environmental Karst Study Report

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





September 12, 2025

Ms. Anna Byers
Senior Geologist
eTech Environmental & Safety Solutions, Inc.
13000 W County Rd 100
Odessa, TX 79765

Dear Ms. Byers,

In regard to the inquiry of July 2, 2025 by you pertaining to the report submitted by Advanced Geophysics on the RDX 15 site release, I find the interpretation of the geophysical survey to be based on improperly processed data. Having reviewed and reprocessed the data set, I found that the anomalies associated with the interpretation of subsurface karst development were noise related. The data set itself was exceedingly noisy, most likely due to the proximity of equipment on the pad where the survey was conducted. After removing the noise in post processing, the anomalies disappeared, and no indication of subsurface karst exists within the cleaned data set.

Therefore, the area where the geophysical survey was conducted is free of subsurface karst. Furthermore, results indicate that the ground beneath the project site is stable.

If there are any questions regarding this response, please contact me via phone at (505) 585-2550 or e-mail at dave@swgeophys.com.

Sincerely,

Dave Decker, PhD, CP, CPG
CEO, Principal Geologist
Southwest Geophysical Consulting, LLC



Aerial and Geophysical Cave and Karst Investigation

Report Delivered: 06/10/2025

Prepared for:
eTech Environmental & Safety Solutions, Inc.
13000 WCR 100
Odessa, Texas 79765

Prepared By:
Advanced Geophysics, LLC
2821 White Plains Dr.
Midlothian, Texas 76065



TABLE OF CONTENTS

LIST OF FIGURES	2
LIST OF FIGURES	2
1.0 Introduction	5
1.1 Summary of Results	5
1.2 Site Location	5
1.3 Bureau of Land Management Characterization	6
2.0 Local Geology and Environment.....	7
2.1 Geologic Setting.....	7
2.2 Environmental Setting	8
3.0 Methodology	9
3.1 Description of Geophysical Survey	9
3.2 Description of Aerial Survey	10
3.3 Electrical Resistivity Theory.....	10
3.3 Survey Results.....	11
3.3.1 Aerial Karst Survey	11
3.3.2 Geophysical Karst Survey	13
4.0 Summary and Recommendations	17
5.0 References.....	19
6.0 Appendices.....	20
6.1 Electrical Resistivity Data	20
6.2 Electrical Resistivity Images.....	21

LIST OF FIGURES

Figure A. Aerial View of Subsurface Anomalies.....	4
Figure 1. Site Location with Karst Occurrence.....	6
Figure 2. Site Location with Local Geology.....	8
Figure 3. Drone Imagery of RDX 15.....	12
Figure 4. 3-D Image of Subsurface	15
Figure 5. Identification of Anomalies One - Five	16
Figure 6. Identification of Anomalies Six - Seven	17
Figure 7 - 19. Electrical Resistivity Images (RDX1-RDX13).	21-22

LIST OF FIGURES

Table 1. Karst identification table.	14
---	----

EXECUTIVE SUMMARY

Introduction

°Tech Environmental & Safety Solutions, Inc. requested an aerial and geophysical karst survey for the RDX 15 well pad, located at 32.041797, -103.863935. The purpose of the survey was to determine if the site is considered “stable” or “unstable”, by investigating the surface and subsurface for any potential karst features.

Findings

- The aerial survey revealed:
 - **No anomalies** identified within the 200-meter (656 ft) buffer.
- The geophysical survey revealed:
 - **Five anomalies** interpreted to be areas of increased porosity or air-filled voids.
 - **Two anomalies** interpreted to be artifacts created by subsurface metal piping.

Recommendations

- **Avoidance:** Construction during the remediation process should avoid these areas.
- **Mitigation Planning:**
 - Any subsurface voids encountered during construction, or any phase of the remediation process must be reported to the Bureau of Land Management – Carlsbad Office.
 - Mitigation measures should align with guidelines in the **Bureau of Land Management Cave and Karst Management Handbook (H-8380-1)** or the **Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment (Code 527)**.

Conclusions

The aerial karst survey did not detect any karst features; however, the geophysical survey identified three anomalies within the well pad boundaries and four additional anomalies beyond these boundaries (**Figure A**). Based on the presence of a subsurface anomaly within the well pad area, the site (RDX 15) is currently classified as "**unstable**." Notably, this anomaly is situated adjacent to an area exhibiting abnormally low resistivity (i.e., highly conductive), which may have resulted in a false positive during data acquisition. Should field verification confirm the absence of an actual void, the site may be reclassified as "stable."



Figure A. Aerial view of the RDX 15 well pad illustrating the location of the subsurface anomalies delineated during the geophysical survey. These anomalies have been characterized as areas of increased porosity, air-filled voids and potential artifacts (false positives).

1.0 INTRODUCTION

The following report has been prepared for eTech Environmental & Safety Solutions, Inc., to determine the presence or absence of surface and subsurface karst features at the RDX 15 well pad, located at approximately 32.041797, -103.863935, within Eddy County, New Mexico (**Figure 1**). To delineate the subsurface features, a geophysical survey (electrical resistivity tomography) was conducted, processed, and interpreted by Kaleb Henry of Advanced Geophysics, LLC. The aerial karst survey was conducted and processed by SWCA Environmental Consultants. The aerial data was then reviewed and interpreted by Kaleb Henry of Advanced Geophysics, LLC.

The aerial and electrical resistivity surveys were requested by eTech Environmental & Safety Solutions, Inc. on May 13, 2025, and were completed by May 15, 2025. Upon the request, the client provided coordinates (listed above) for the well pad, as well as google earth shape file (**RDX 15_Proposed Karst Survey.KMZ**) to ensure the survey encompassed the well pad entirely.

1.1 Summary of Results

The aerial karst survey did not identify any surficial karst features within the 200-meter (656 ft) buffer surrounding the RDX 15 well pad.

The geophysical survey identified seven anomalies, interpreted to be areas of increased porosity, open air-filled voids, and potential artifacts (false positives). All anomalies characterized as voids or zones of increased porosity should be avoided during the construction or remediation process. Due to resolution limits, smaller voids or karst features may be present.

1.2 Site Location

The site is located approximately 28.31 kilometers (17.59 miles) southeast of Malaga, New Mexico, and approximately 18.77 kilometers (11.66 miles) east of US Highway 285, within the NESE quarters of Section 15, Township 26 South, Range 30 East, in Eddy County, New Mexico. The well pad is located on BLM land.

1.3 Bureau of Land Management Characterization

The BLM have identified four divisions of karst potential: low, medium, high, and critical. These regions are characterized based on the known occurrence of karst features, underlying geologic formations, and potential impacts to freshwater aquifers. The survey was conducted within an area characterized as medium karst occurrence zone by the (BLM) – Carlsbad Office^[1].

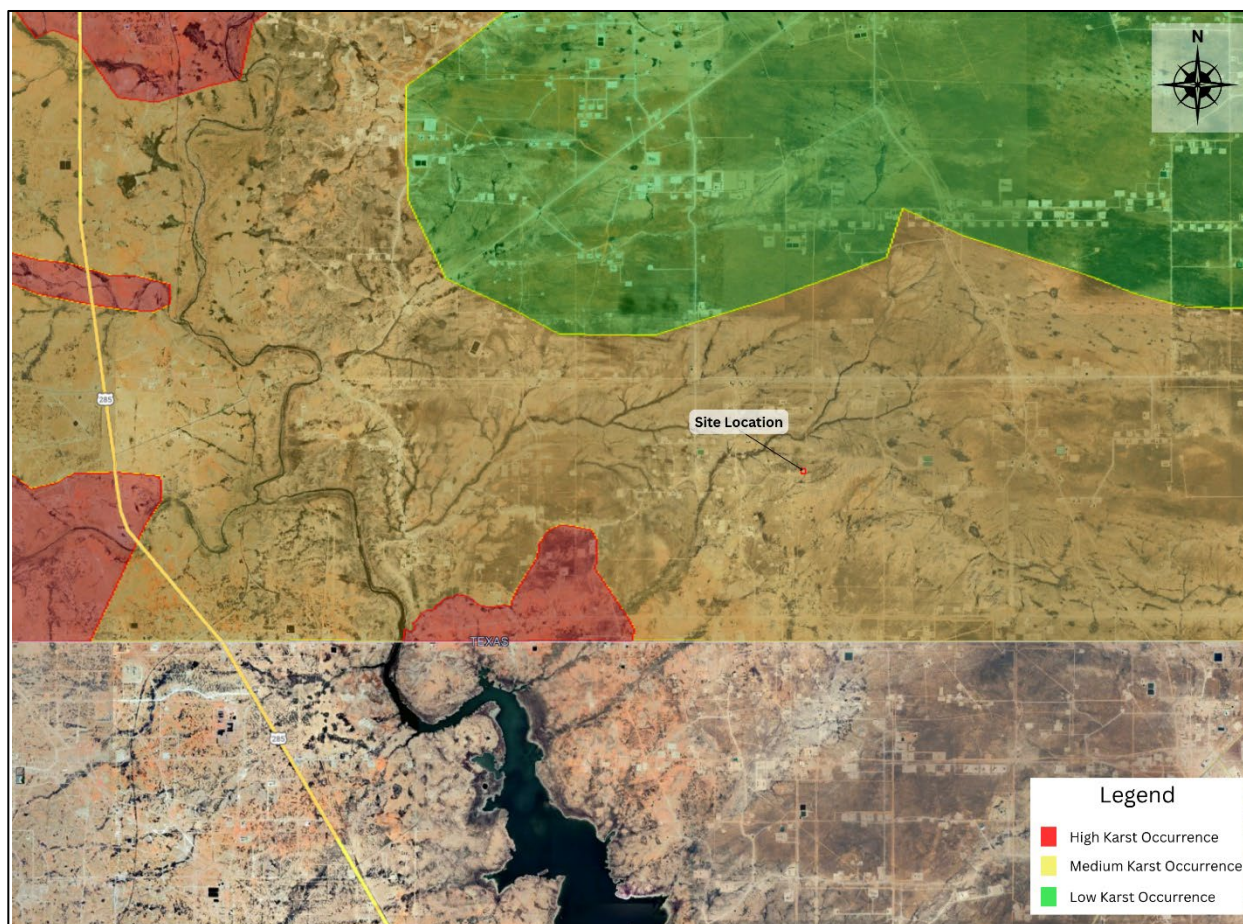


Figure 1. Site location map with the surrounding karst occurrence. Map provided by Google Earth in datum WSG-84. Karst occurrence map provided by Bureau of Land Management – Carlsbad Office.

2.0 LOCAL GEOLOGY AND ENVIRONMENT

2.1 Geologic Setting

The site is situated along the northern edge of the Chihuahuan Desert, on the outskirts of a physiographic region known as the Gypsum Plain (**Figure 2**)^[13]. The Gypsum Plain is composed of Permian-age evaporites, characterized by extensive cave and karst development in the Castile, Salado, and Rustler Formations^[11]. Stratigraphically, the Rustler Formation overlies the Salado and Castile Formations within the Delaware Basin. The Rustler Formation was deposited during the mid-to-late Ochoan, as the Delaware Basin transitioned from a hypersaline sea to a terrestrial environment^{[3][6]}. This transition led to a complex array of depositional environments, resulting in the formation of five distinct members within the Rustler Formation: Los Medaños, Culebra Dolomite, Tamarisk, Magenta Dolomite, and Forty-niner, listed in ascending order. The Tamarisk and Forty-niner Members, in particular, exhibit the most diverse salt pan to mudflat facies within the Rustler Formation, comprising mudstone, halite, and gypsum^[16]. Due to their composition, these facies are highly susceptible to dissolution, leading to the formation of karst features.

Directly beneath the Rustler Formation lies the Salado Formation, deposited during the mid-Ochoan as the Delaware Basin became increasingly restricted, forming a density-stratified, hypersaline sea^[17]. This depositional environment resulted in the Salado Formation being predominantly composed of halite (salt-NaCl) interbedded with anhydrite (gypsum)^[18]. These evaporite facies are highly prone to dissolution by downward-migrating meteoric waters, which can create various karst features such as conduits, sinkholes, and cavernous porosity. Once initiated, these features can expand rapidly due to the high solubility of halite and gypsum/anhydrite. Halite, with a solubility rate of 360 g/L at 77°F, is approximately two orders of magnitude more soluble than gypsum^[15]. Gypsum, in turn, has a solubility rate of approximately 2.531 g/L at 68°F, which is around four orders of magnitude higher than that of limestone (calcium carbonate)^[9].

The high solubility of these evaporite facies facilitates the rapid development of complex cave systems, which can form within days, weeks, or years, depending on the surrounding hydrogeologic conditions^[13]. These cave systems serve as preferential flow paths for shallow

groundwater recharge, creating a dynamic and continuously evolving karst-aquifer system^[11].

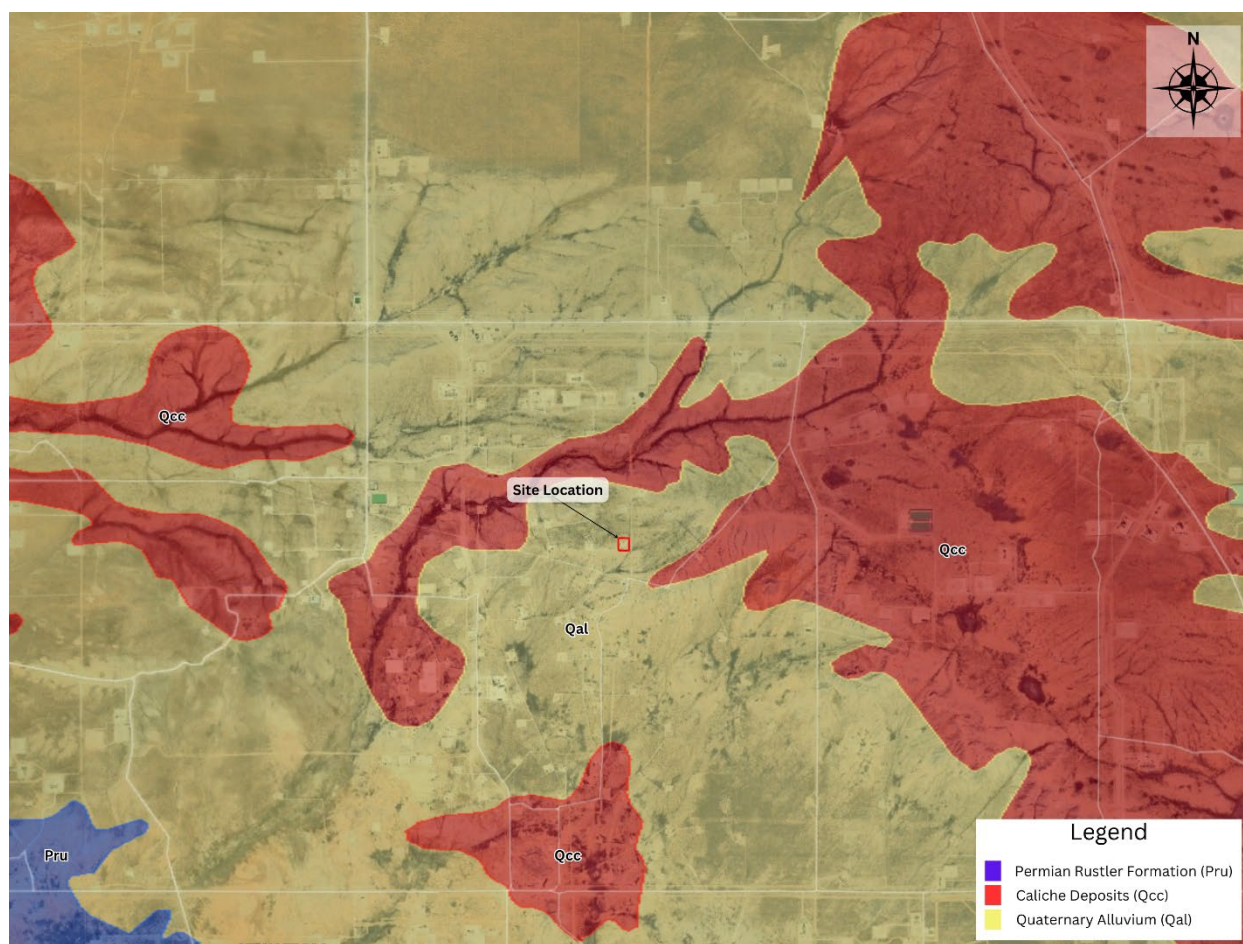


Figure 2. Geologic formations surrounding the site location. Permian Rustler Formation (Pr), Caliche Deposits (Qcc), Quaternary alluvial eolian deposits (Qae). Background image provided by Google Earth in datum WSG-84. Geologic unit overlay provided by the United State Geologic Society (USGS) and the Bureau of Economic Geology, UT-Austin.

2.2 Environmental Setting

The site is located within an area known as the Chihuahuan Desert Thornscrub, where vegetation is sparse. Vegetation surrounding the surveyed location primarily consists of grass with and few creosote bushes. The site is mantled by a soil profile known as the Upton-Simona complex, which is composed of gravelly sandy loam^[14]. These soils are stable, due to their parent material, which consists of weathered limestone^[14].

The environment surrounding the survey has been characterized as an evaporitic karst terrain, due to the underlying geologic formations. The Rustler Formation has many

documented sinkholes, conduits, and caves, which are highly susceptible to enlargement by dissolution as surface water migrates downward through the formation. These conduits can facilitate the rapid recharge of the groundwater aquifers.

3.0 METHODOLOGY

3.1 Description of Geophysical Survey

This project consisted of thirteen parallel two-dimensional (2-D) direct current (DC) resistivity survey lines. These surveys were conducted using an Advanced Geosciences' Inc. (AGI) SuperSting™ (R8/IP) multi-electrode earth resistivity meter. All thirteen lines were performed using a dipole-dipole array configuration consisting of 28 electrodes arranged south-to-north (electrodes 1 to 28), with a 5-meter (16 ft) electrode spacing and 10-meter (32 ft) line spacing oriented from east-to-west (lines 1 to 13). This set up was designed to ensure high accuracy and enhanced shallow depth resolution. Due to the electrode spacing and configuration, the near surface resolution is approximately 2.5 meters (8 ft), and total depth of investigation was 29 meters (95 ft) below ground surface (bgs). Each electrode location was recorded using an EMLID RS3 GPS unit with an estimated horizontal location error of 5 centimeters (2 in).

The electrical contact resistance between the ground and each electrode was maintained below 5,000 Ω m. If initial electrode contact resistance exceeded 5,000 Ω m, then electrodes would be wetted with well water prior to the survey to lower contact resistance below 5,000 Ω m. Each electrical resistivity line was conducted using time estimates of 800 ms and cycled twice per electrode pair. The SuperSting™ (R8/IP) was set to inject a 2,000 mA current for each survey measurement and was set to reach a maximum error threshold of 2% between measurement cycles. Recorded resistivity measurements were processed with EarthImager™ 2-D/3-D inversion modeling software, produced by AGI. To improve inverted resistivity models, data outliers which account for less than 10% of total data, were removed using data misfit histograms. Terrain correction was incorporated into resistivity sections to better constrain the relationship between topography and electrical resistivity analyses.

The surveyed lines (RDX1.stg – RDX13.stg) were completed by Kaleb Henry, Kameron Henry, and Kolton Westbrook between May 13, 2025, and May 15, 2024, and are available for review upon request.

3.2 Description of Aerial Survey

An aerial karst survey was conducted for the RDX 15 well pad. The survey was conducted by a highly experienced drone pilot licensed by the Federal Aviation Administration (FAA) and affiliated with SWCA Environmental Consultants. Survey parameters were developed by Kaleb Henry of Advanced Geophysics to ensure compliance with the stringent requirements established by the Bureau of Land Management – Carlsbad Field Office (BLM-CFO), which are recognized by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO).

The aerial survey utilized a preplanned flight path flown at low elevations, with aerial transects spaced to achieve an estimated 70–80% imagery overlap. This overlap minimizes errors during the image-stitching process and enhances the accuracy and resolution of the final imagery products. Following data collection, the images were stitched to produce an orthomosaic image, which was then processed to generate a highly accurate Digital Elevation Model (DEM). A Lower Relief Model (LRM) was subsequently derived from the DEM to highlight sharp changes in elevation (approximately 5 cm). The LRM, along with the DEM and orthomosaic imagery, was carefully examined and analyzed by an experienced cave and karst specialist.

The aerial imagery used in the survey has a resolution of approximately 5 cm (2 in), enabling a trained geologist to identify small-scale karst features with a high degree of detail. However, it is important to recognize the potential presence of artificial artifacts within the LRM, as shadowing and dense vegetation can result in the misrepresentation of topographic highs or lows.

3.3 Electrical Resistivity Theory

Electrical resistivity tomography is predicated on the response of electrical current flowing through subsurface material, from transmitter electrodes to potential electrodes. As the current migrates through the underlying media, a potential difference (apparent resistivity) in current is measured. There are three primary factors for determining the electrical resistivity of a subsurface material: Lithology, saturation, and porosity. As porosity increases, resistance to the flow of electrical current is increased, due to the theoretically infinite resistiveness of air. When an area of increased porosity/void is encountered within the subsurface a sharp contrast in electrical resistiveness to the surrounding material is measured and recorded. This theory, coupled with knowledge of the underlying geology,

allows an experienced geophysicist to develop an accurate interpretation of the subsurface features.

NOTE: Conducting electrical resistivity surveys in areas with known subsurface metallic structures can lead to inaccurate representations of subsurface conditions. Metallic elements tend to create preferential pathways for electrical current, resulting in non-uniform current distributions that may cause inversion algorithms to misinterpret the acquired data. Additionally, these structures can generate shadow zones due to electromagnetic shielding, which impedes current penetration into deeper subsurface layers. Consequently, this may lead to artificially elevated or reduced resistivity values in the final interpretation.

3.3 Survey Results

3.3.1 Aerial Karst Survey

The aerial karst survey did not identify any surficial karst features within the 200-meter (656 ft) buffer surrounding the RDX 15 well pad (**Figure 3**). The survey identified one area of interest that initially exhibited characteristics consistent with a surficial karst feature based on aerial imagery; however, subsequent analysis determined the anomaly to be vegetation.

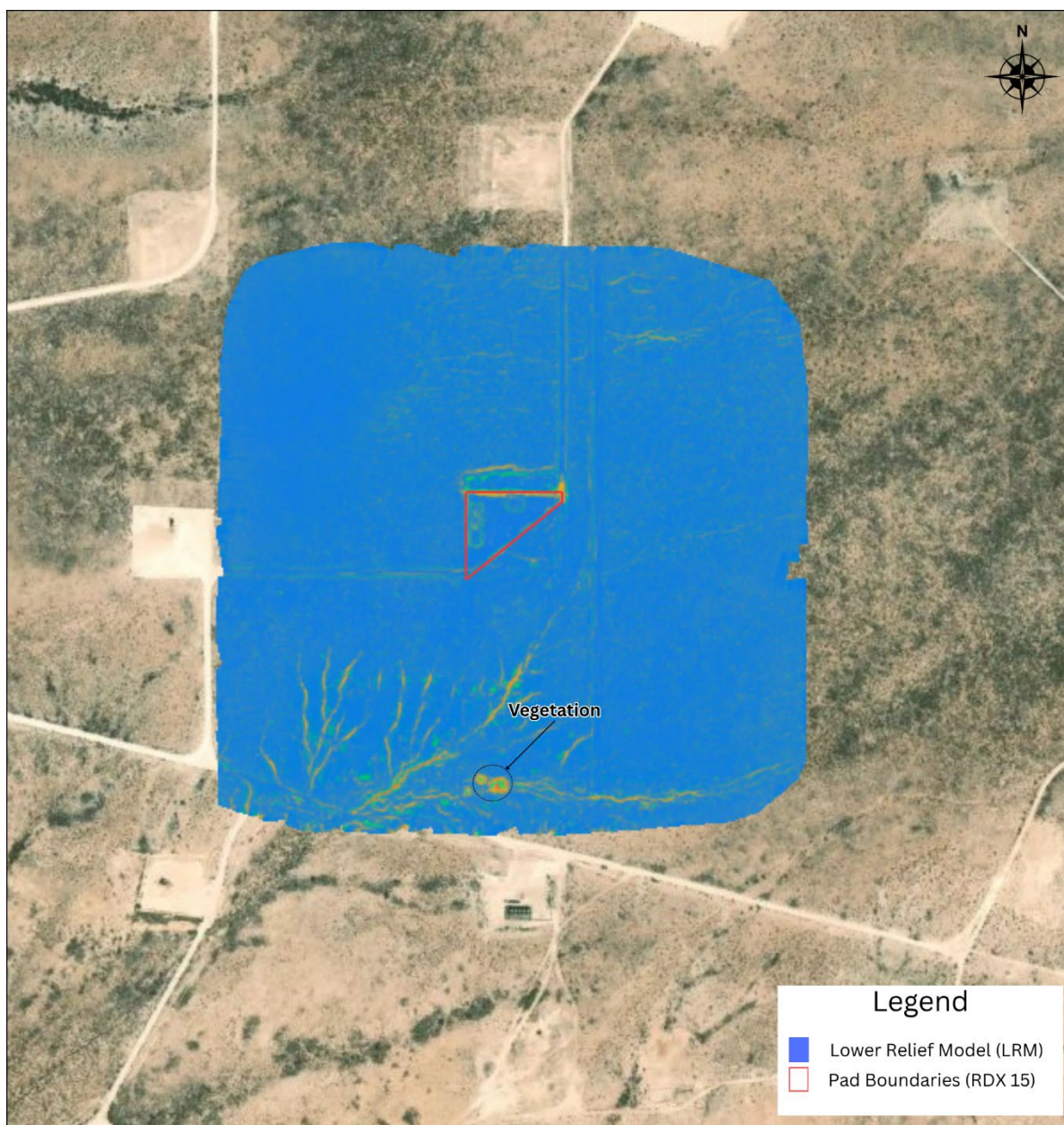


Figure 3. Lower Relief Model (LRM) of the area surrounding the proposed site, delineated by red pad boundaries (RDX 15). The blue gradient indicates variations in surface elevation, with notable drainage patterns visible in the southern portion of the survey area. Anomalous features initially interpreted as potential surficial karst were later determined to be vegetation, as indicated.

3.3.1 Geophysical Karst Survey

The geophysical survey identified three anomalies within the well pad boundaries and four additional anomalies beyond these boundaries. The majority of the anomalies are interpreted to be zones of increased porosity or air-filled voids, as well as potential artifacts.

Anomalies One and Two are believed to be artifacts (false positives) created by the inversion algorithm during data collections, due to a nearby metallic pipe descending vertically into the subsurface. **Anomaly Four** is also located near an area exhibiting abnormally low resistivity (i.e., highly conductive), which may have resulted in a false positive. Field verification should be conducted to confirm or deny the absence of **Anomaly Four**.

Anomalies One – Two: two areas demonstrating elevated resistivity values, interpreted as artifacts created by a nearby metallic pipe descending vertically into the subsurface near electrodes nine through thirteen on RDX6. The features are approximately 5 meters (16.4 ft) wide, with a vertical length of 3.7 meters (12.1 ft), at a starting depth of 6 meters (19.7 ft) (**Table 1, Figure 4, Figure 5**).

Anomaly Three: interpreted as a potential air-filled void, measuring between 2 to 3 meters (6.5 to 9.8 ft) wide, with a vertical length ranging between 0.5 to 1.2 meters (1.6 and 3.9 ft), at a starting depth of 0.7 meters (2.3 ft). This feature is located between meter marks 120 and 125 on survey line RDX6, RDX7, and RDX8 (**Table 1, Figure 4, Figure 5**).

Anomaly Four: interpreted as a potential air-filled void, measuring approximately 8 meters (26.2 ft) wide, with a vertical length of 11 meters (36.1 ft), at a starting depth of 6 meters (19.7 ft). This feature is located between meter marks 70 and 85 on survey line RDX8 (**Table 1, Figure 4, Figure 5**).

Anomaly Five: interpreted as a potential air-filled void, measuring between 2 to 8 meters (6.56 to 26.2 ft) wide, with a vertical length ranging between 1.7 to 9 meters (5.57 and 29.5 ft), at a starting depth of 6.2 meters (20.3 ft). This feature is located between meter marks 100 and 105 on survey line RDX8, RDX9, and RDX10 (**Table 1, Figure 4, Figure 5**).

Anomaly Six: interpreted as an area of increased porosity and potential air-filled void, measuring between 3 to 5 meters (9.8 to 16.4 ft) wide, with a vertical length ranging between 1 to 1.5 meters (3.28 and 4.92 ft), at a depth of 3.3 meters (10.8 ft). This feature is located between meter marks 85 and 95 on survey line RDX11 and RDX12 (**Table 1, Figure 4, Figure 6**).

Anomaly Seven: interpreted as a potential air-filled void, measuring 2 meters (6.5 ft) wide, with a vertical length of 0.5 meters (1.6 ft), at a starting depth of 0.7 meters (2.3 ft). This feature is located between meter marks 120 and 125 on survey line RDX13 (**Table 1, Figure 4, Figure 6**).

Although most of the anomalies are small, they should still be avoided during construction or the remediation process. Due to the resolution limits, smaller fractures and voids/conduits may be present but not detected.

Anomaly	Line(s)	Size (w x l) (m)	Depth (m)	Range (Ω -m)	Interpretation
1-2	RDX6	5 x 3.7	6	100,000	Artifact
3	RDX6 RDX7 RDX8	2-3 x 0.5-1.2	0.7	80,000- 100,000	Air-filled voids
4	RDX8	8 x 11	6	100,000	Air-filled void/potential artifact
5	RDX8 RDX9 RDX10	2-8 x 1.7-9	6.2	83,069- 100,000	Air-filled void
6	RDX11 RDX12	3-5 x 1-1.5	3.3	33,942- 100,000	Air-filled void
7	RDX13	2 x 0.5	0.7	100,000	Air-filled void

Table 1. Karst/anomaly identification table. The features are listed in ascending order from RDX1 to RDX13 (east-to-west).

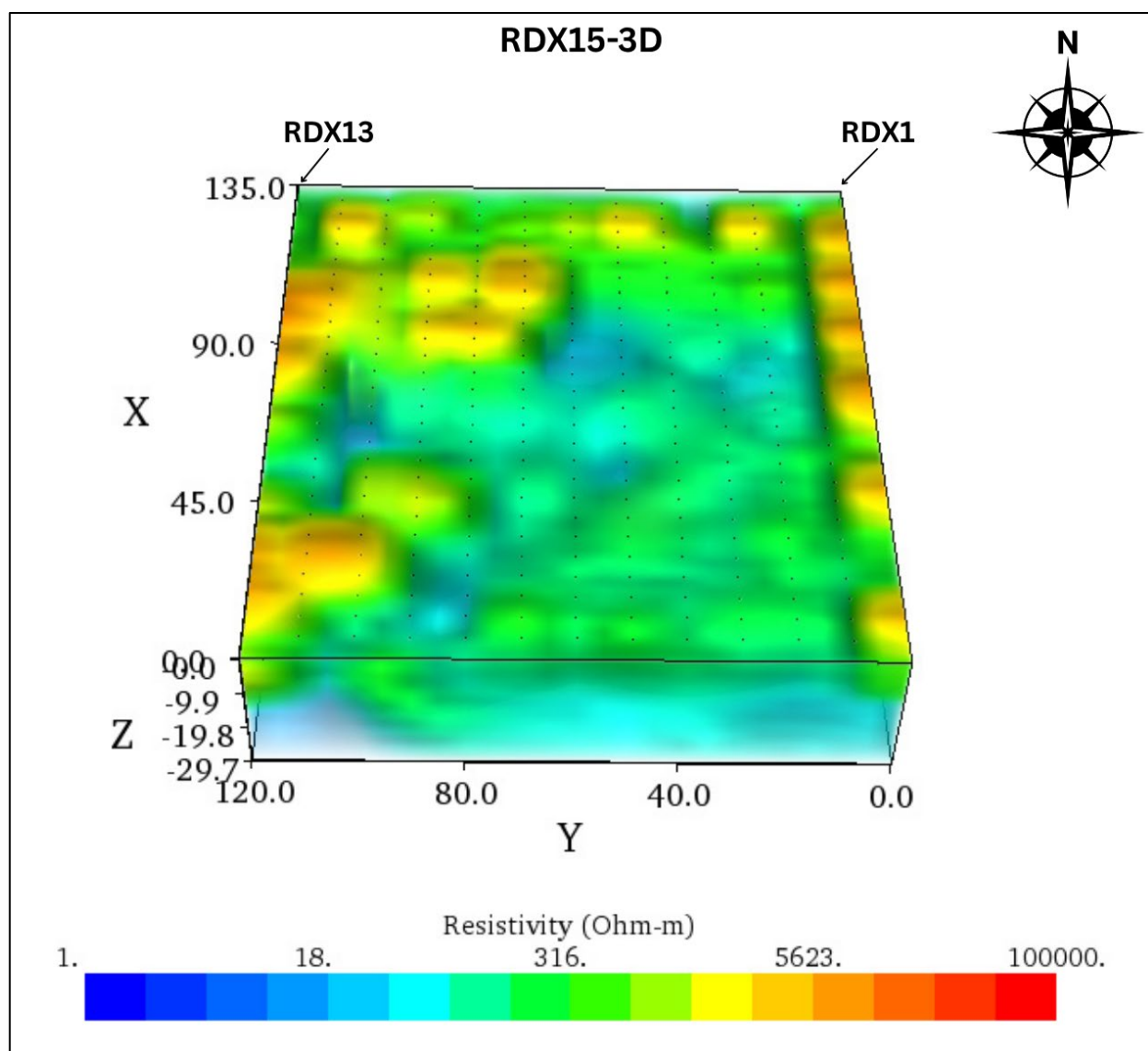


Figure 4. 3-D image of the subsurface, created by combining the 2-D resistivity lines RDX1 through RDX13.

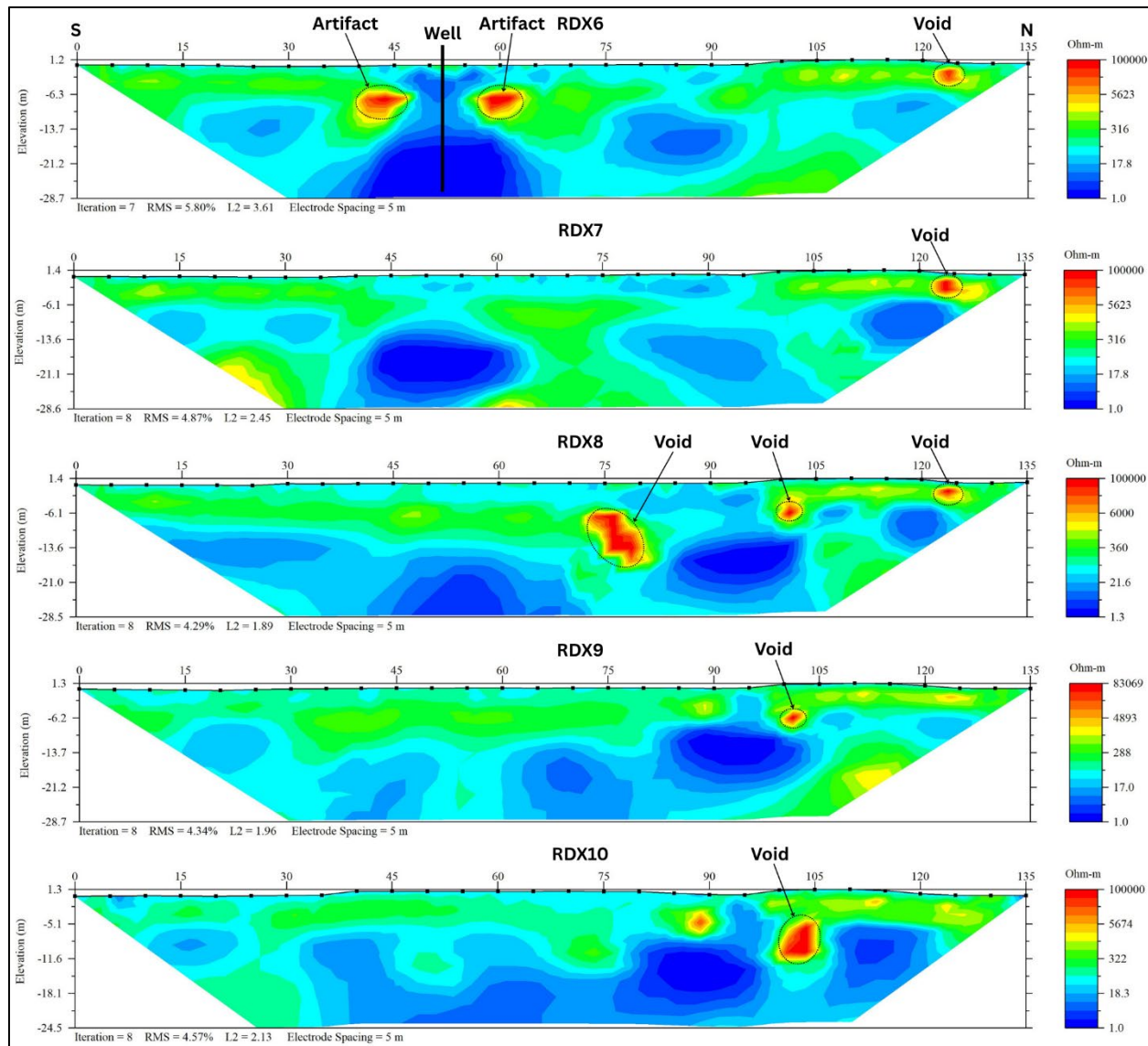


Figure 5. Anomalies One – Five, identified on RDX6 through RDX10, with corresponding interpretations for each cross-section.

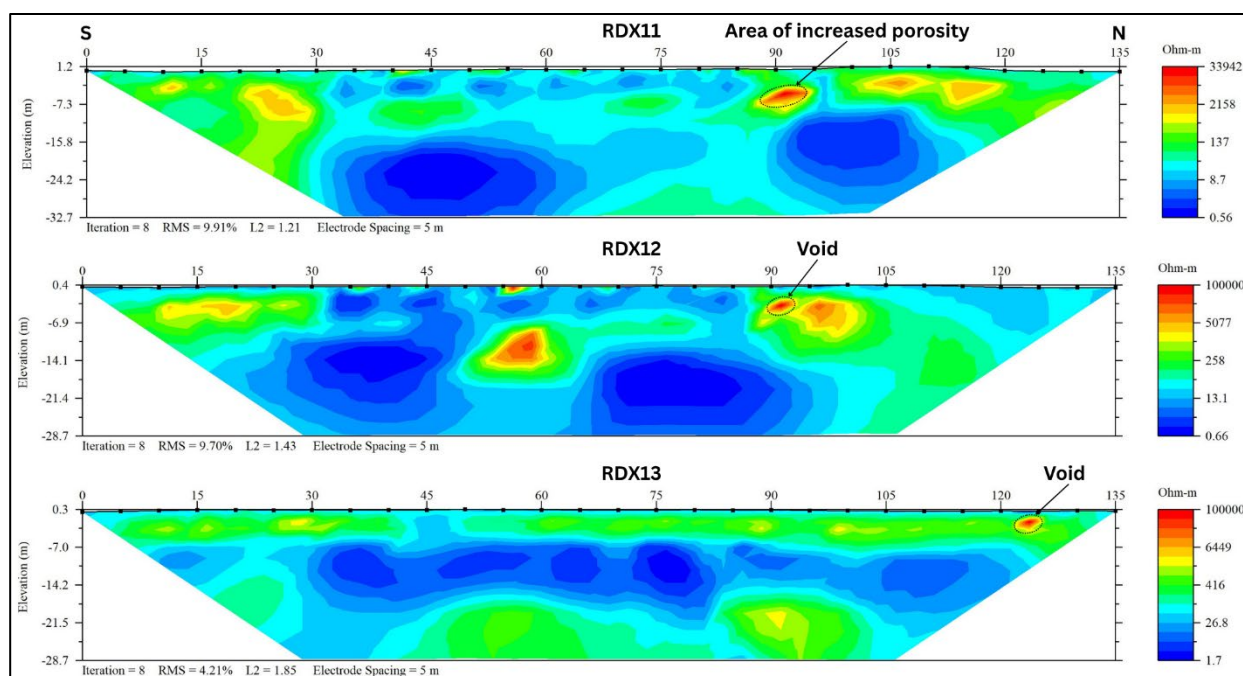


Figure 6. Anomaly Six and anomaly Seven, identified on RDX11 through RDX13, with corresponding interpretations for each cross-section.

4.0 SUMMARY AND RECOMMENDATIONS

The aerial karst survey did not identify any surficial karst features within the 200-meter (656 ft) buffer surrounding the RDX 15 well pad. The survey identified one area of interest that initially exhibited characteristics consistent with a surficial karst feature based on aerial imagery; however, subsequent analysis determined the anomaly to be vegetation.

The geophysical survey identified three anomalies within the well pad boundaries and four additional anomalies beyond these boundaries. The majority of the anomalies are interpreted to be zones of increased porosity or air-filled voids, as well as potential artifacts. The anomalies interpreted to be open air-filled voids should be avoided during the construction and remediation process. Due to resolution limits, smaller voids or karst features may be present.

The underlying geologic formation at the surveyed location is highly susceptible to dissolution, which enables karst features to rapidly grow within days, weeks, or months. These processes can be greatly accelerated if proper mitigation processes are not implemented. Any infrastructure containing fluids should be continuously monitored, in case of failure resulting in a release. Infrastructure unknowingly supplying fluids to the underlying geologic formation could cause

catastrophic failure within days or weeks, due to the increased solubility of the formation directly below.

Subsurface voids encountered during construction, drilling or remediation processes should be immediately reported to either the Surface Resources Division of the New Mexico State Land Office, or the Bureau of Land Management – Carlsbad Offices, in order to request a Cave and Karst Specialist. Any implemented procedures to mitigate a cave or karst feature should follow the **Bureau of Land Management Cave and Karst Management Handbook, H-8380-1**, or the **Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527**.

5.0 REFERENCES

1. Hernandez, R., (2021), Karst Potential Map. CFO Base map.
2. Horton, J.D., 2017, The State Geologic Map Compilation (SGMC) geodatabase of the conterminous United States (ver. 1.1, August 2017): U.S. Geological Survey data release
3. Adams, J.E., 1972. Semi-cyclicity in the Castile anhydrite, in Elam, J.G. and Chuber, S. (eds), Cyclic Sedimentation in the Permian Basin. West Texas Geological Society, p. 196-202.
4. Anderson, R.Y., Dean, W.E., Kirkland, D.W. and Snider, H.I., 1972. Permian Castile varved evaporite sequence. West Texas and New Mexico. GSA Bulletin, v. 83, p. 59- 85.
5. Hill, C.A., 1996. Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains: New Mexico and West Texas. Permian Basin Section – SEPM, Midland, TX, 480 p.
6. Kendall, A.C. and Harwood, G.M., 1989. Shallow-water gypsum in the Castile Formation – significance and implications, in Harris, P.M. and Grover, G.A. (eds), Subsurface and Outcrop Examination of the Capitan Shelf Margin, Northern Delaware Basin. SEPM, Core Workshop No. 13, San Antonio, TX, p. 451-457.
7. Kirkland, D.W. and Anderson, R.Y., 1970. Microfolding in the Castile and Todilto evaporites, Texas and New Mexico. GSA Bulletin, v. 81, p. 3259-3282.
8. Klimchouk, A., 1996. The typology of gypsum karst according to its geological and geomorphological evolution. International Journal of Speleology, v. 25, no. 3-4, p. 49-60.
9. Klimchouk, A., 1996. Dissolution and conversion of gypsum and anhydrite. Int. J. Speleology, v. 25, no. 3-4, p. 263-274.
10. Stafford, Kevin W.; Nance, Raymond; Rosales-Largarde, Laura; and Boston, Penelope J., 2008. Epigene and Hypogene Karst Manifestations of the Castile Formation: Eddy County, New Mexico and Culberson County, Texas, USA. Faculty Publication. 12.
11. Stafford, Kevin W., 2013. Evaporite Karst and Hydrogeology of the Castile Formation: Culberson County, Texas and Eddy County, New Mexico. Faculty Publication. 3.
12. Stafford, Kevin W.; Brown, Wesley A.; Ehrhart, Jon T.; Majzoub, Adam F.; and Woodard, Jonathan D., 2017. Evaporite Karst Geohazards in the Delaware Basin, Texas: Review of Traditional Karst Studies Coupled with Geophysical and Remote Sensing Characterization. Faculty Publication. 17.
13. Stafford, Kevin W.; Ulmer-Scholle, Dana; and Rosales-Largarde, Laura., 2008. Hypogene Calcitization: Evaporite Diagenesis in the Western Delaware Basin. Faculty Publication. 7.
14. Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Official Soil Series Descriptions. Available online. Accessed [12/28/2024].

15. Langer, H. Offermann, 1982. On the Solubility of Sodium Chloride in Water. *Journal of Crystal Growth*, Volume 60, Issue 2, p. 389-392.
16. Dennis W. Powers, Robert M. Holt, Richard L. Beauheim, and Ron G. Richardson, 2006, *Caves and Karst of Southeastern New Mexico*, Land, Lewis; Lueth, Virgil W.; Raatz, William; Boston, Penny; Love, David L. [eds.], New Mexico Geological Society 57th Annual Fall Field Conference Guidebook, pp. 267-276.
17. Stafford, K.W., 2024. Klimchouk's impact on the development of speleogenetic models for Castile evaporites: West Texas and southeastern New Mexico, USA. *International Journal of Speleology*, 53(2), 79-87.
18. Kenneth S. Johnson, 2023. Evaporite Karst of the Lower Pecos Region, Land, Lewis; Bou Jaoude, Issam; Hutchinson, Peter; Zeigler, Kate; Jakle, Anne; Van Der Werff, Brittney, New Mexico Geological Society 73rd Annual Fall Field Conference Guidebook, p. 152.

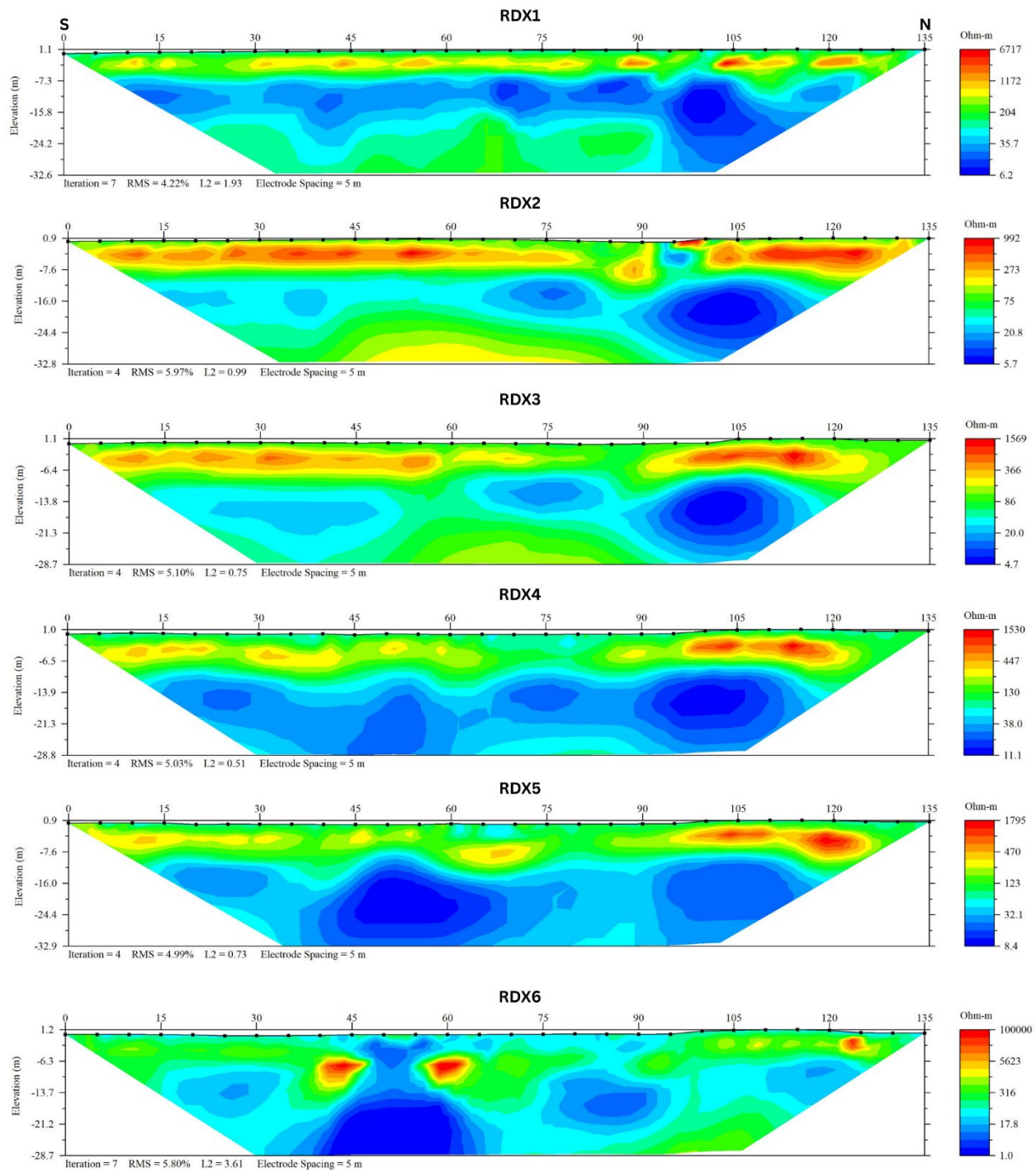
6.0 APPENDICES

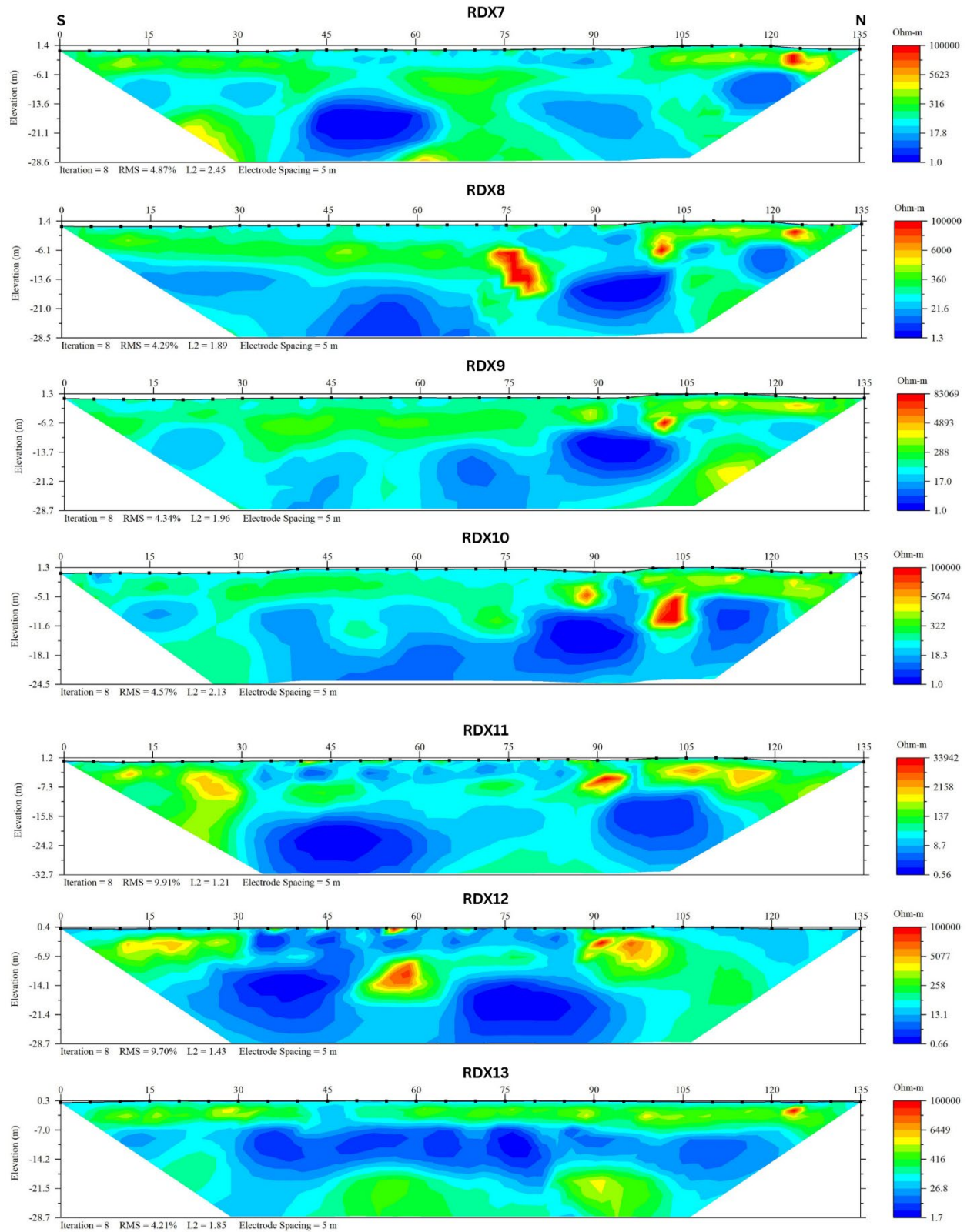
6.1 Electrical Resistivity Data

The raw data files for the electrical resistivity surveys (RDX1.stg – RDX13.stg) are available upon request. Additionally, the KML file (RDX15.kml) and the corresponding raw dataset (RDX15_Report.csv), which document the precise locations of all electrodes, are also available upon request. The STG files were processed and modeled using EarthImager™ 2D/3D, provided by AGI. During the modeling process, data outliers which account for less than 10% of total data were removed using data misfit histograms. Terrain correction was incorporated into resistivity sections to better constrain the relationship between topography and electrical resistivity analyses.

The resistivity lines were collected from east-to-west, and the electrodes were oriented from south-to-north. The surveys reached a maximum depth of approximately 32.7 meters (107.3 ft). These sections delineated several air-filled void/conduits and zones of increased porosity, which are represented as dark orange to red colors (33,942 – 100,000 Ω m). Smaller fractures or areas of increased porosity may be present, but not identified in this survey, due to resolution limits.

6.2 Electrical Resistivity Images





APPENDIX D

Soil Sampling Logs

								Sample Name: PH01		Date: 06/25/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0416327, -103.8642650								Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	6,640	0.0	No	PH01	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	11,596	0.0	No	PH01	1	1					
Dry	4,848	0.0	No	PH01	2	2					
Dry	<116	0.0	No	PH01	3	3					
Dry	<116	0.0	No	PH01	4	4					
Total Depth											

								Sample Name: PH02		Date: 06/25/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0415705, -103.8642680								Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	3,192	0.0	No	PH02	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	9,836	0.0	No	PH02	1	1					
Dry	4,472	0.0	No	PH02	2	2					
Dry	1,640	0.0	No	PH02	3	3					
Dry	<116	0.0	No	PH02	4	4					
Total Depth											

								Sample Name: PH03		Date: 06/25/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0415525, -103.8642637								Hole Diameter: n/a		Total Depth: 5 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	6,040	0.0	No	PH03	0.5	0.5	CCHE	(0-5') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	15,060	0.0	No	PH03	1	1					
Dry	9,836	0.0	No	PH03	2	2					
Dry	976	0.0	No	PH03	3	3					
Dry	1,640	0.0	No	PH03	4	4					
Dry	<116	0.0	No	PH03	5	5					
Total Depth											

								Sample Name: PH04		Date: 06/25/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0417611, -103.8643046								Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	500	0.0	No	PH04	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	6,144	0.0	No	PH04	1	1					
Dry	12,604	0.0	No	PH04	2	2					
Dry	9,836	0.0	No	PH04	3	3					
Dry	332	0.0	No	PH04	4	4					
Total Depth											

								Sample Name: PH05		Date: 06/25/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0418635, -103.8642935								Hole Diameter: n/a		Total Depth: 5 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	3,524	0.0	No	PH05	0.5	0.5	CCHE	(0-5') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	10,664	0.0	No	PH05	1	1					
Dry	9,836	0.0	No	PH05	2	2					
Dry	2,920	0.0	No	PH05	3	3					
Dry	1,260	0.0	No	PH05	4	4					
Dry	368	0.0	No	PH05	5	5					
Total Depth											

								Sample Name: PH06		Date: 06/25/2025 & 06/26/2025			
								Site Name: RDX 15 East Production Pad					
								Incident Number: nAPP2423222600 & nAPP2511255724					
								Job Number: 20985 & 22230					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe			
Delineation Soil Sample Coordinates: 32.0419453, -103.8642560								Hole Diameter: n/a		Total Depth: 6 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes					
Dry	228	0.0	No	PH06	0.5	0.5	CCHE	(0-6') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.					
Dry	9,836	0.0	No	PH06	1	1							
Dry	1,872	0.0	No	PH06	2	2							
Dry	6,664	0.0	No	PH06	3	3							
Dry	10,664	0.0	No	PH06	4	4							
Dry	1,444	0.0	No	PH06	5	5							
Dry	508	0.0	No	PH06	6	6							
Total Depth													

						Sample Name: PH07		Date: 06/25/2025	
						Site Name: RDX 15 East Production Pad			
						Incident Number: nAPP2423222600 & nAPP2511255724			
						Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0415867, -103.8641948						Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes	
Dry	3,484	0.0	No	PH07	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.	
Dry	600	0.0	No	PH07	1	1			
Dry	136	0.0	No	PH07	2	2			
Dry	236	0.0	No	PH07	3	3			
Dry	268	0.1	No	PH07	4	4			
Total Depth									

					Sample Name: PH08		Date: 06/25/2025	
					Site Name: RDX 15 East Production Pad			
					Incident Number: nAPP2423222600 & nAPP2511255724			
					Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0414754, -103.8642249					Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	9,080	0.0	No	PH08	0.5	0.5	CCHE	(0-4") Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	8,392	0.0	No	PH08	1	1		
Dry	268	0.0	No	PH08	2	2		
Dry	184	0.0	No	PH08	3	3		
Dry	156	0.0	No	PH08	4	4		
Total Depth								



Sample Name: PH09

Date: 06/25/2025

Site Name: RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan

Method: Backhoe

Delineation Soil Sample Coordinates: 32.0413478, -103.8642603

Hole Diameter: n/a

Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	184	0.0	No	PH09	0.5	0.5	CCHE	(0-4") Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	208	0.0	No	PH09	1	1		
Dry	<116	0.0	No	PH09	2	2		
Dry	<116	0.0	No	PH09	3	3		
Dry	<116	0.0	No	PH09	4	4		

Total Depth

								Sample Name: PH10		Date: 06/26/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0414927, -103.8641790								Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	376	0.0	No	PH10	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	300	0.0	No	PH10	1	1					
Dry	184	0.0	No	PH10	2	2					
Dry	136	0.0	No	PH10	3	3					
Dry	112	0.0	No	PH10	4	4					
Total Depth											

							Sample Name: PH11		Date: 06/26/2025	
							Site Name: RDX 15 East Production Pad			
							Incident Number: nAPP2423222600 & nAPP2511255724			
							Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0415777, -103.8641648							Hole Diameter: n/a		Total Depth: 4 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes		
Dry	336	0.0	No	PH11	0.5	0.5	CCHE	(0-4') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.		
Dry	416	0.0	No	PH11	1	1				
Dry	208	0.0	No	PH11	2	2				
Dry	112	0.0	No	PH11	3	3				
Dry	<112	0.0	No	PH11	4	4				
Total Depth										



Sample Name: PH12

Date: 06/26/2025

Site Name: RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan

Method: Backhoe

Delineation Soil Sample Coordinates: 32.0416646, -103.8641951

Hole Diameter: n/a

Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	376	0.0	No	PH12	0.5	0.5	CCHE	(0-4") Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	300	0.0	No	PH12	1	1		
Dry	336	0.0	No	PH12	2	2		
Dry	208	0.0	No	PH12	3	3		
Dry	136	0.0	No	PH12	4	4		

Total Depth



Sample Name: PH13 Date: 06/26/2025
 Site Name: RDX 15 East Production Pad
 Incident Number: nAPP2423222600 & nAPP2511255724
 Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan Method: Backhoe

Delineation Soil Sample Coordinates: 32.0417532, -103.8641985 Hole Diameter: n/a Total Depth: 5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	336	0.0	No	PH13	0.5	0.5	CCHE	(0-5') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	336	0.0	No	PH13	1	1		
Dry	300	0.0	No	PH13	2	2		
Dry	236	0.0	No	PH13	3	3		
Dry	208	0.0	No	PH13	4	4		
Dry	184	0.0	No	PH13	5	5		

Total Depth



Sample Name: PH14

Date: 06/26/2025

Site Name: RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan

Method: Backhoe

Delineation Soil Sample Coordinates: 32.0418848, -103.8641806

Hole Diameter: n/a

Total Depth: 6 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	236	0.0	No	PH14	0.5	0.5	CCHE	(0-6") Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	184	0.0	No	PH14	1	1		
Dry	<116	0.0	No	PH14	2	2		
Dry	<116	0.0	No	PH14	3	3		
Dry	<112	0.0	No	PH14	4	4		
Dry	<112	0.0	No	PH14	5	5		
Dry	<112	0.0	No	PH14	6	6		

Total Depth



Sample Name: PH15

Date: 06/26/2025

Site Name: RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan

Method: Backhoe

Delineation Soil Sample Coordinates: 32.042, -103.8642834

Hole Diameter: n/a

Total Depth: 6 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	PH15	0.5	0.5	CCHE	(0-6') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	<112	0.0	No	PH15	1	1		
Dry	<112	0.0	No	PH15	2	2		
Dry	<112	0.0	No	PH15	3	3		
Dry	<112	0.0	No	PH15	4	4		
Dry	<112	0.0	No	PH15	5	5		
Dry	<112	0.0	No	PH15	6	6		

Total Depth

					Sample Name: PH16		Date: 06/26/2025	
					Site Name: RDX 15 East Production Pad			
					Incident Number: nAPP2423222600 & nAPP2511255724			
					Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0418926, -103.8643269					Hole Diameter: n/a		Total Depth: 6 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	PH16	0.5	0 0.5	CCHE	(0-2') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.
Dry	<112	0.0	No	PH16	1	1		
Dry	<112	0.0	No	PH16	2	2	CCHE	(2-6') CALICHE, tan, dry no staining or odor.
Dry	<112	0.0	No	PH16	3	3		
Dry	<112	0.0	No	PH16	4	4		
Dry	<112	0.0	No	PH16	5	5		
Dry	<112	0.0	No	PH16	6	6		
Total Depth								

								Sample Name: PH17		Date: 06/26/2025			
								Site Name: RDX 15 East Production Pad					
								Incident Number: nAPP2423222600 & nAPP2511255724					
								Job Number: 20985 & 22230					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe			
Delineation Soil Sample Coordinates: 32.0418038, -103.8643348								Hole Diameter: n/a		Total Depth: 5 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes					
Dry	268	0.0	No	PH17	0.5	0.5	SP-SM	(0-2') SAND, light brown, dry, poorly graded, no staining or odor.					
Dry	412	0.0	No	PH17	1	1							
Dry	208	0.0	No	PH17	2	2	CCHE	(2-5') CALICHE, tan, dry no staining or odor.					
Dry	208	0.0	No	PH17	3	3							
Dry	184	0.0	No	PH17	4	4							
Dry	208	0.0	No	PH17	5	5							
Total Depth													

								Sample Name: PH18		Date: 06/26/2025					
								Site Name: RDX 15 East Production Pad							
								Incident Number: nAPP2423222600 & nAPP2511255724							
								Job Number: 20985 & 22230							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe					
Delineation Soil Sample Coordinates: 32.0418038, -103.8643348								Hole Diameter: n/a		Total Depth: 5 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<112	0.0	No	PH18	0.5	0.5	SP-SM	(0-2') SAND, light brown, dry, poorly graded, no staining or odor.							
Dry	<112	0.0	No	PH18	1	1									
Dry	<112	0.0	No	PH18	2	2	CCHE	(2-5') CALICHE, tan, dry no staining or odor.							
Dry	<112	0.0	No	PH18	3	3									
Dry	<112	0.0	No	PH18	4	4									
Dry	<112	0.0	No	PH18	5	5									
Total Depth															

								Sample Name: PH19		Date: 06/26/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0416324, -103.8643599								Hole Diameter: n/a		Total Depth: 5 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH19	0.5	0.5	SP-SM	(0-2') SAND, light brown, dry, poorly graded, no staining or odor.			
Dry	<112	0.0	No	PH19	1	1					
Dry	<112	0.0	No	PH19	2	2	CCHE	(2-5') CALICHE, tan, dry no staining or odor.			
Dry	<112	0.0	No	PH19	3	3					
Dry	<112	0.0	No	PH19	4	4					
Dry	<112	0.0	No	PH19	5	5					
Total Depth											

								Sample Name: PH20		Date: 06/26/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0415480, -103.8643870								Hole Diameter: n/a		Total Depth: 5 feet	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<112	0.0	No	PH20	0.5	0.5	SP-SM	(0-2') SAND, light brown, dry, poorly graded, no staining or odor.			
Dry	<112	0.0	No	PH20	1	1					
Dry	<112	0.0	No	PH20	2	2	CCHE	(2-5') CALICHE, tan, dry no staining or odor.			
Dry	<112	0.0	No	PH20	3	3					
Dry	<112	0.0	No	PH20	4	4					
Dry	<112	0.0	No	PH20	5	5					
Total Depth											

								Sample Name: PH21		Date: 06/26/2025					
								Site Name: RDX 15 East Production Pad							
								Incident Number: nAPP2423222600 & nAPP2511255724							
								Job Number: 20985 & 22230							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe					
Delineation Soil Sample Coordinates: 32.0414842, -103.8643187								Hole Diameter: n/a		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<112	0.0	No	PH21	0.5	0.5	SP-SM	(0-2') SAND, light brown, dry, poorly graded, no staining or odor.							
Dry	<112	0.0	No	PH21	1	1									
Dry	<112	0.0	No	PH21	2	2	CCHE	(2-4') CALICHE, tan, dry no staining or odor.							
Dry	<112	0.0	No	PH21	3	3									
Dry	<112	0.0	No	PH21	4	4									
Total Depth															

								Sample Name: PH22		Date: 08/22/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0417537, -103.8641705								Hole Diameter: n/a		Total Depth: 1 foot	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	208	0.0	No	PH22	0.5	0.5	CCHE	(0-1') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	<112	0.0	No	PH22	1	1					
Total Depth											

								Sample Name: PH23		Date: 08/22/2025	
								Site Name: RDX 15 East Production Pad			
								Incident Number: nAPP2423222600 & nAPP2511255724			
								Job Number: 20985 & 22230			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Edyte Konan		Method: Backhoe	
Delineation Soil Sample Coordinates: 32.0414933, -103.8641648								Hole Diameter: n/a		Total Depth: 1 foot	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	268	0.0	No	PH23	0.5	0.5	CCHE	(0-1') Pad cap CALICHE, tan, dry, well graded with silt, fine to coarse grain, no staining or odor.			
Dry	<112	0.0	No	PH23	1	1					
Total Depth											



Sample Name: PH24

Date: 06/26/2025

Site Name: RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Job Number: 20985 & 22230

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Edyte Konan

Method: Backhoe

Delineation Soil Sample Coordinates: 32.0418053, -103.8643687

Hole Diameter: n/a

Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0.0	No	PH24	0.5	0.5	SP-SM	(0-2') SAND, dry, poorly graded, no staining or odor.
Dry	<112	0.0	No	PH24	1	1		
Dry	<112	0.0	No	PH24	2	2	CCHE	(2-4') CALICHE, tan, dry no staining or odor.
Dry	<112	0.0	No	PH24	3	3		
Dry	<112	0.0	No	PH24	4	4		

Total Depth

APPENDIX E

Photographic Log



PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 15 East Production Pad

Incident Number: nAPP2423222600 & nAPP2511255724

Date & Time: Wed, Jun 25, 2025 at 14:15:14 CDT
 Position: +032.041572° / -103.864217° (±15.1ft)
 Altitude: 3153ft (±11.6ft)
 Datum: WGS-84
 Azimuth/Bearing: 302° N58W 5369mils Magnetic (±13°)
 Elevation Angle: -08.9°
 Horizon Angle: -00.4°
 Zoom: 1.0X
 RDX 15 East Production pad



Photograph 1

Date: 06/25/2025

Description: Northwestern view of delineation activities.

Date & Time: Wed, Jun 25, 2025 at 09:36:19 MDT
 Position: +032.041794° / -103.864449° (±15.7ft)
 Altitude: 3148ft (±10.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 307° S53W 2522mils Magnetic (±12°)
 Elevation Angle: -02.1°
 Horizon Angle: -00.9°
 Zoom: 1.0X
 RDX 15 East Production pad



Photograph 2

Date: 06/26/2025

Description: Southwestern view of delineation activities.

Date & Time: Thu, Jun 26, 2025 at 11:09:04 MDT
 Position: +032.041897° / -103.864179° (±15.5ft)
 Altitude: 3143ft (±11.1ft)
 Datum: WGS-84
 Azimuth/Bearing: 043° N43E 0764mils Magnetic (±13°)
 Elevation Angle: -06.2°
 Horizon Angle: -02.4°
 Zoom: 1.0X
 RDX 15 East Production pad



Photograph 3

Date: 06/26/2025

Description: Northeastern view of delineation activities.

Position: +032.041763° / -103.864449° (±11.6ft)
 Altitude: 3148ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 005° N05E 0089mils True (±11°)
 Elevation Angle: -12.0°
 Horizon Angle: +01.5°
 Zoom: 0.5X
 RDX 15



Photograph 4

Date: 08/22/2025

Description: Northeastern view of delineation activities.

APPENDIX F

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 15 East Production Pad
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Numbers nAPP2423222600 & nAPP2511255724										
PH01	06/25/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,200
PH01	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,400
PH01	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,100
PH01	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.1
PH01	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.8
PH02	06/25/2025	0.5	<0.0250	<0.0500	<20.0	267	485	267	752	3,390
PH02	06/25/2025	1	<0.0250	<0.0500	<20.0	25.3	<50.0	25.3	25.3	13,400
PH02	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,070
PH02	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450
PH02	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.5
PH03	06/25/2025	0.5	<0.0250	<0.0500	<20.0	54.7	<50.0	54.7	54.7	7,410
PH03	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,400
PH03	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,000
PH03	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	832
PH03	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
PH03	06/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
PH04	06/25/2025	0.5	<0.0250	<0.0500	<20.0	55.5	84.4	55.5	140	553
PH04	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,360
PH04	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,600
PH04	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,500
PH04	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	407
PH05	06/25/2025	0.5	<0.0250	<0.0500	<20.0	293	419	293	712	4,340
PH05	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,100
PH05	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,600
PH05	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,140
PH05	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	483
PH05	06/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319
PH06	06/25/2025	0.5	<0.0250	<0.0500	<20.0	630	702	630	1330	243
PH06	06/25/2025	1	<0.0250	<0.0500	<20.0	87.7	104	87.7	192	12,000



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 15 East Production Pad
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
PH06	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,750
PH06	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,180
PH06	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,100
PH06	06/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680
PH06	06/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	406
PH07	06/25/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,700
PH07	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	924
PH07	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178
PH07	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	297
PH07	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	505
PH08	06/25/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,100
PH08	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,820
PH08	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	296
PH08	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	367
PH08	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
PH09	06/25/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	317
PH09	06/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	410
PH09	06/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146
PH09	06/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150
PH09	06/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
PH10	06/26/2025	0.5	<0.0250	<0.0500	<20.0	27.3	<50.0	27.3	27.3	609
PH10	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	419
PH10	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	236
PH10	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	173
PH10	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
PH11	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	542
PH11	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	521
PH11	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	334
PH11	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	143
PH11	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 15 East Production Pad
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
PH12	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	417
PH12	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	468
PH12	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	471
PH12	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
PH12	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	312
PH13	06/26/2025	0.5	<0.0250	<0.0500	<20.0	26.1	<50.0	26.1	26.1	674
PH13	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	545
PH13	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	239
PH13	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	181
PH13	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	239
PH13	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	248
PH14	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	346
PH14	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
PH14	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.5
PH14	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
PH14	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	48.6
PH14	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
PH14	06/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
PH15	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.3
PH15	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.7
PH15	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
PH15	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	167
PH15	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.0
PH15	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	161
PH15	06/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.7
PH16	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.3
PH16	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.0
PH16	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.3
PH16	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.0
PH16	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.1



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 15 East Production Pad
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
PH16	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.3
PH16	06/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.1
PH17*	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
PH17*	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	785
PH17*	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	276
PH17*	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278
PH17	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	267
PH17	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	376
PH18*	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18*	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18*	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.6
PH18*	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
PH18	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.4
PH19*	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH19*	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH19*	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.4
PH19*	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	193
PH19	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
PH19	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.7
PH20*	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH20*	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH20*	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
PH20*	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
PH20	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	172
PH20	06/26/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
PH21	06/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.2
PH21	06/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
PH21	06/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
PH21	06/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 15 East Production Pad
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
PH21	06/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
PH22	08/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
PH22	08/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
PH23	08/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	311
PH23	08/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.2
PH24*	08/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH24*	08/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH24*	08/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH24*	08/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH24	08/22/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

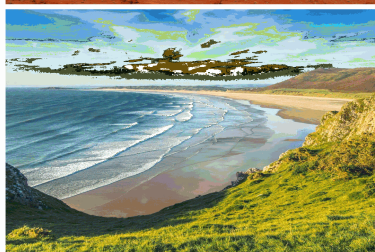
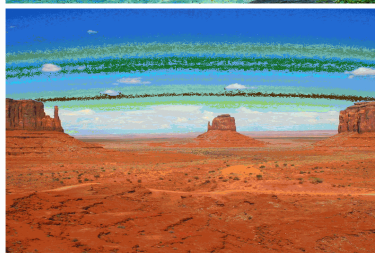
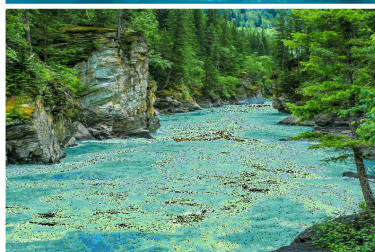
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard¹ for Soils Impacted by a Release

* * Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.

APPENDIX G

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E506288

Job Number: 01058-0007

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/8/25

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: 7/8/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E506288
Date Received: 6/28/2025 9:30:58AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
PH01 0.5'	6
PH01 1'	7
PH01 2'	8
PH01 3'	9
PH01 4'	10
PH02 0.5'	11
PH02 1'	12
PH02 2'	13
PH02 3'	14
PH02 4'	15
PH03 0.5'	16
PH03 1'	17
PH03 2'	18
PH03 3'	19
PH03 4'	20
PH03 5'	21
PH04 0.5'	22
PH04 1'	23
PH04 2'	24
PH04 3'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	30
Definitions and Notes	31
Chain of Custody etc.	32

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/08/25 12:08
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E506288-01A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH01 1'	E506288-02A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH01 2'	E506288-03A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH01 3'	E506288-04A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH01 4'	E506288-05A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH02 0.5'	E506288-06A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH02 1'	E506288-07A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH02 2'	E506288-08A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH02 3'	E506288-09A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH02 4'	E506288-10A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 0.5'	E506288-11A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 1'	E506288-12A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 2'	E506288-13A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 3'	E506288-14A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 4'	E506288-15A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH03 5'	E506288-16A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH04 0.5'	E506288-17A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH04 1'	E506288-18A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH04 2'	E506288-19A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH04 3'	E506288-20A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH01 0.5'

E506288-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	10200	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH01 1'

E506288-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.3 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	15400	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH01 2'

E506288-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.1 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	8100	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH01 3'

E506288-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.9 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	74.1	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH01 4'

E506288-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.0 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	29.8	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported: 7/8/2025 12:08:12PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	

PH02 0.5'

E506288-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.0 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528006	
Diesel Range Organics (C10-C28)	267	25.0	1	07/02/25	07/08/25	
Oil Range Organics (C28-C36)	485	50.0	1	07/02/25	07/08/25	
Surrogate: n-Nonane	88.1 %	61-141		07/02/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	3390	40.0	2	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH02 1'

E506288-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.0 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	25.3	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	13400	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH02 2'

E506288-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.4 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	6070	40.0	2	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH02 3'

E506288-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.8 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	1450	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported: 7/8/2025 12:08:12PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	

PH02 4'

E506288-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	80.0 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
Surrogate: n-Nonane	104 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	36.5	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 0.5'

E506288-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	54.7	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	7410	100	5	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 1'

E506288-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	13400	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 2'

E506288-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	16000	200	10	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 3'

E506288-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	832	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 4'

E506288-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	1910	20.0	1	07/03/25	07/06/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH03 5'

E506288-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	151	20.0	1	07/03/25	07/07/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH04 0.5'

E506288-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	80.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	55.5	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	84.4	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	553	20.0	1	07/03/25	07/07/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH04 1'

E506288-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	9360	100	5	07/03/25	07/07/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH04 2'

E506288-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.7 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526177	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	80.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527117	
Chloride	17600	200	10	07/03/25	07/07/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/8/2025 12:08:12PM

PH04 3'

E506288-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526177
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527117
Chloride	16500	200	10	07/03/25	07/07/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/8/2025 12:08:12PM

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

Blank (2526177-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

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	7.67		8.00		95.9	70-130			

LCS (2526177-BS1)

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.71	0.0250	5.00		94.1	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.3	70-130			
Toluene	4.66	0.0250	5.00		93.1	70-130			
o-Xylene	4.65	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.28	0.0500	10.0		92.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike (2526177-MS1)

Source: E506288-13

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	5.22	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130			
Toluene	5.16	0.0250	5.00	ND	103	70-130			
o-Xylene	5.13	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2526177-MSD1)

Source: E506288-13

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.95	0.0250	5.00	ND	99.1	70-130	5.29	27	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	70-130	4.75	26	
Toluene	4.90	0.0250	5.00	ND	97.9	70-130	5.22	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	70-130	4.80	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	4.22	23	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	70-130	4.42	26	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/8/2025 12:08:12PM

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

Blank (2526177-BLK1) Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.85		8.00		85.6	70-130			

LCS (2526177-BS2) Prepared: 06/28/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike (2526177-MS2) Source: E506288-13 Prepared: 06/28/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

Matrix Spike Dup (2526177-MSD2) Source: E506288-13 Prepared: 06/28/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/8/2025 12:08:12PM

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 (2527067-BLK1)					Prepared: 07/02/25 Analyzed: 07/02/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	61-141			

LCS (2527067-BS1)					Prepared: 07/02/25 Analyzed: 07/02/25				
Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: n-Nonane	48.0		50.0		96.0	61-141			

Matrix Spike (2527067-MS1)					Source: E506288-14		Prepared: 07/02/25 Analyzed: 07/02/25		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2527067-MSD1)					Source: E506288-14		Prepared: 07/02/25 Analyzed: 07/02/25		
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	56-156	8.61	20	
Surrogate: n-Nonane	56.9		50.0		114	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/8/2025 12:08:12PM

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 (2528006-BLK1)

Prepared: 07/07/25 Analyzed: 07/07/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	61-141			

LCS (2528006-BS1)

Prepared: 07/07/25 Analyzed: 07/08/25

Diesel Range Organics (C10-C28)	234	25.0	250		93.8	66-144			
Surrogate: n-Nonane	45.1		50.0		90.3	61-141			

Matrix Spike (2528006-MS1)

Source: E507038-02

Prepared: 07/07/25 Analyzed: 07/08/25

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156			
Surrogate: n-Nonane	46.5		50.0		92.9	61-141			

Matrix Spike Dup (2528006-MSD1)

Source: E507038-02

Prepared: 07/07/25 Analyzed: 07/08/25

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156	0.441	20	
Surrogate: n-Nonane	45.4		50.0		90.8	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/8/2025 12:08:12PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2527117-BLK1)					Prepared: 07/03/25 Analyzed: 07/06/25				
Chloride	ND	20.0							
LCS (2527117-BS1)					Prepared: 07/03/25 Analyzed: 07/06/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2527117-MS1)					Source: E506288-08		Prepared: 07/03/25 Analyzed: 07/06/25		
Chloride	6270	40.0	250	6070	78.1	80-120			M4
Matrix Spike Dup (2527117-MSD1)					Source: E506288-08		Prepared: 07/03/25 Analyzed: 07/06/25		
Chloride	6330	40.0	250	6070	103	80-120	0.971	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/08/25 12:08

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

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

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





Chain of Custody

Page 1 of 15

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: <u>Devon Energy Production Company, LP</u>				Company: <u>Devon Energy Production Co.</u>		Lab WO# <u>E502288</u> Job Number <u>DL058-007</u>		1D	2D	3D	Std	NM	CO	UT	TX				
Project: <u>RDX 15 East Production Pad</u>				Address: <u>5315 Buena Vista Dr.</u>								x							
Project Manager: <u>Anna Byers</u>				City, State, Zip: <u>Carlsbad, NM, 88220</u>															
Address: <u>13000 W County Rd 100</u>				Phone: <u>575-885-7502</u>															
City, State, Zip: <u>Odessa, TX, 79765</u>				Email: <u>jim.raley@devon.com</u>															
Phone: <u>432-305-6415</u>				Miscellaneous: <u>WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/</u>															
Email: <u>NMTXGeoGroup@etechnv.com</u>																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DIRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
8:00	6/25/2025	S	1	PH01	0.5'	1													
8:10	6/25/2025	S	1	PH01	1'	2													
8:20	6/25/2025	S	1	PH01	2'	3													
8:30	6/25/2025	S	1	PH01	3'	4													
8:40	6/25/2025	S	1	PH01	4'	5													
8:50	6/25/2025	S	1	PH02	0.5'	6													
9:00	6/25/2025	S	1	PH02	1'	7													
9:10	6/25/2025	S	1	PH02	2'	8													
9:20	6/25/2025	S	1	PH02	3'	9													
9:30	6/25/2025	S	1	PH02	4'	10													
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Edyte Konan</u>																			
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>06/27/25</u>		Time <u>8:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>6-27-25</u>		Time <u>0800</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.			
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>6-27-25</u>		Time <u>1645</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>6-27-25</u>		Time <u>1730</u>					
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>6-27-25</u>		Time <u>2400</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>6-28-25</u>		Time <u>930</u>					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: <u>0/N</u>			
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u>																			
Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Chain of Custody

Page 2 of 45

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: <u>Devon Energy Production Company, LP</u>				Company: <u>Devon Energy Production Co.</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: <u>RDX 15 East Production Pad</u>				Address: <u>5315 Buena Vista Dr.</u>		<u>ECD0788</u>	<u>9058-007</u>				X	X							
Project Manager: <u>Anna Byers</u>				City, State, Zip: <u>Carlsbad, NM, 88220</u>															
Address: <u>13000 W County Rd 100</u>				Phone: <u>575-885-7502</u>															
City, State, Zip: <u>Odessa, TX, 79765</u>				Email: <u>jim.raley@devon.com</u>															
Phone: <u>432-305-6415</u>				Miscellaneous: <u>WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/</u>															
Email: <u>NMTXGeoGroup@etechnv.com</u>																			
Sample Information							Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRQ/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	RGDDC - NM	RGDDC - TX	SDWA	CWA	RCRA	
9:40	6/25/2025	S	1	PH03	0.5'	11									X				
9:50	6/25/2025	S	1	PH03	1'	12									X				
10:00	6/25/2025	S	1	PH03	2'	13									X				
10:10	6/25/2025	S	1	PH03	3'	14									X				
10:20	6/25/2025	S	1	PH03	4'	15									X				
10:30	6/25/2025	S	1	PH03	5'	16									X				
10:40	6/25/2025	S	1	PH04	0.5'	17									X				
10:50	6/25/2025	S	1	PH04	1'	18									X				
11:00	6/25/2025	S	1	PH04	2'	19									X				
11:10	6/25/2025	S	1	PH04	3'	20									X				
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Edyte Konan</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u> Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u>																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E500288	01057-007				x	x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dm.com															
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/															
Email: NMTXGeoGroup@etechnv.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
8:00	6/25/2025	S	1	PH01	0.5'	1								X					
8:10	6/25/2025	S	1	PH01	1'	2								X					
8:20	6/25/2025	S	1	PH01	2'	3								X					
8:30	6/25/2025	S	1	PH01	3'	4								X					
8:40	6/25/2025	S	1	PH01	4'	5								X					
8:50	6/25/2025	S	1	PH02	0.5'	6								X					
9:00	6/25/2025	S	1	PH02	1'	7								X					
9:10	6/25/2025	S	1	PH02	2'	8								X					
9:20	6/25/2025	S	1	PH02	3'	9								X					
9:30	6/25/2025	S	1	PH02	4'	10								X					
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Edyte Konan																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y / N							
Michelle Gonzales		6/27/25		8:00		Michelle Gonzales		6/27/25		0800									
Michelle Gonzales		6/27/25		1645		Michelle Gonzales		6/27/25		1730									
Michelle Gonzales		6/27/25		2400		Michelle Gonzales		6/27/25		930									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		ECD0788	Q058-007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dmv.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechnv.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
9:40	6/25/2025	S	1	PH03	0.5'	11								X			3.0			
9:50	6/25/2025	S	1	PH03	1'	12								X			3.4			
10:00	6/25/2025	S	1	PH03	2'	13								X			3.0			
10:10	6/25/2025	S	1	PH03	3'	14								X			2.9			
10:20	6/25/2025	S	1	PH03	4'	15								X			2.9			
10:30	6/25/2025	S	1	PH03	5'	16								X			3.4			
10:40	6/25/2025	S	1	PH04	0.5'	17								X			2.8			
10:50	6/25/2025	S	1	PH04	1'	18								X			2.0			
11:00	6/25/2025	S	1	PH04	2'	19								X			1.8			
11:10	6/25/2025	S	1	PH04	3'	20								X			2.0			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/1/2025 11:46:32AM

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:	WPX Energy - Carlsbad	Date Received:	06/28/25 09:30	Work Order ID:	E506288
Phone:	(575) 200-6754	Date Logged In:	06/27/25 15:41	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/07/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into 2 reports. WOS are E506288 & E506289.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

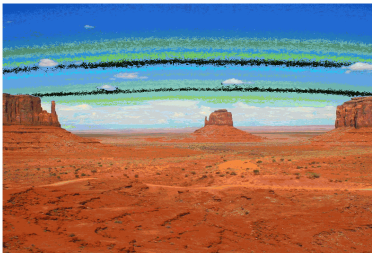
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E506289

Job Number: 01058-0007

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/25

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: 7/7/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E506289
Date Received: 6/28/2025 9:30:58AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
PH04 4'	6
PH05 0.5'	7
PH05 1'	8
PH05 2'	9
PH05 3'	10
PH05 4'	11
PH05 5'	12
PH06 0.5'	13
PH06 1'	14
PH06 2'	15
PH06 3'	16
PH06 4'	17
PH06 5'	18
PH07 0.5'	19
PH07 1'	20
PH07 2'	21
PH07 3'	22
PH07 4'	23
PH08 0.5'	24
PH08 1'	25

Table of Contents (continued)

PH08 2'	26
PH08 3'	27
PH08 4'	28
PH09 0.5'	29
PH09 1'	30
PH09 2'	31
PH09 3'	32
PH09 4'	33
QC Summary Data	34
QC - Volatile Organics by EPA 8021B	34
QC - Nonhalogenated Organics by EPA 8015D - GRO	36
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	38
QC - Anions by EPA 300.0/9056A	40
Definitions and Notes	42
Chain of Custody etc.	43

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/07/25 15:17
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 4'	E506289-01A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 0.5'	E506289-02A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 1'	E506289-03A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 2'	E506289-04A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 3'	E506289-05A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 4'	E506289-06A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH05 5'	E506289-07A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 0.5'	E506289-08A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 1'	E506289-09A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 2'	E506289-10A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 3'	E506289-11A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 4'	E506289-12A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH06 5'	E506289-13A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH07 0.5'	E506289-14A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH07 1'	E506289-15A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH07 2'	E506289-16A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH07 3'	E506289-17A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH07 4'	E506289-18A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH08 0.5'	E506289-19A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH08 1'	E506289-20A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH08 2'	E506289-21A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH08 3'	E506289-22A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH08 4'	E506289-23A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH09 0.5'	E506289-24A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH09 1'	E506289-25A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH09 2'	E506289-26A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH09 3'	E506289-27A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
PH09 4'	E506289-28A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH04 4'

E506289-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.8 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	07/02/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	407	20.0	1	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH05 0.5'

E506289-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	293	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	419	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	4340	40.0	2	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH05 1'

E506289-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	16100	200	10	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH05 2'

E506289-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	11600	200	10	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH05 3'

E506289-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	5140	40.0	2	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 7/7/2025 3:17:17PM
--	---	---------------------------------

PH05 4'

E506289-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	483	20.0	1	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH05 5'

E506289-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	319	20.0	1	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 0.5'

E506289-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	630	50.0	2	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	702	100	2	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	243	20.0	1	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 1'

E506289-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	87.7	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	104	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	12000	200	10	07/03/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 2'

E506289-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	07/02/25	07/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	6750	100	5	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 3'

E506289-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.0 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	8180	100	5	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 4'

E506289-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	11100	200	10	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH06 5'

E506289-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	2680	40.0	2	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH07 0.5'

E506289-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	4700	40.0	2	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH07 1'

E506289-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	924	20.0	1	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH07 2'

E506289-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	178	20.0	1	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH07 3'

E506289-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	297	20.0	1	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH07 4'

E506289-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	505	20.0	1	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH08 0.5'

E506289-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2526178	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2527070	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527118	
Chloride	13100	200	10	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH08 1'

E506289-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526178
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/04/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527118
Chloride	9820	200	10	07/03/25	07/04/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH08 2'

E506289-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527068	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527082	
Chloride	296	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH08 3'

E506289-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	99.7 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527082
Chloride	367	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH08 4'

E506289-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527082
Chloride	242	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH09 0.5'

E506289-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	99.6 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527082
Chloride	317	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH09 1'

E506289-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/02/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/02/25	
Toluene	ND	0.0250	1	07/01/25	07/02/25	
o-Xylene	ND	0.0250	1	07/01/25	07/02/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/02/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/02/25	
Surrogate: 4-Bromochlorobenzene-PID	88.8 %	70-130		07/01/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		07/01/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
Surrogate: n-Nonane	99.6 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527082
Chloride	410	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH09 2'

E506289-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.2 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.3 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527068	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2527082	
Chloride	146	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH09 3'

E506289-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527068	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	97.6 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527082	
Chloride	150	20.0	1	07/02/25	07/03/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/7/2025 3:17:17PM

PH09 4'

E506289-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527068	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2527082	
Chloride	147	20.0	1	07/02/25	07/03/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2526178-BLK1)

Prepared: 06/28/25 Analyzed: 07/02/25

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	6.74		8.00		84.3	70-130			

LCS (2526178-BS1)

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	4.70	0.0250	5.00		93.9	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.53	0.0250	5.00		90.6	70-130			
p,m-Xylene	9.31	0.0500	10.0		93.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			

Matrix Spike (2526178-MS1)

Source: E506289-14

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	5.67	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.56	0.0250	5.00	ND	111	70-130			
Toluene	5.64	0.0250	5.00	ND	113	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2526178-MSD1)

Source: E506289-14

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	5.93	0.0250	5.00	ND	119	70-130	4.40	27	
Ethylbenzene	5.81	0.0250	5.00	ND	116	70-130	4.39	26	
Toluene	5.89	0.0250	5.00	ND	118	70-130	4.37	20	
o-Xylene	5.74	0.0250	5.00	ND	115	70-130	3.78	25	
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	4.48	23	
Total Xylenes	17.5	0.0250	15.0	ND	116	70-130	4.25	26	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2527052-BLK1) Prepared: 07/01/25 Analyzed: 07/02/25

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	7.24		8.00		90.5	70-130			

LCS (2527052-BS1) Prepared: 07/01/25 Analyzed: 07/02/25

Benzene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.55	0.0250	5.00		111	70-130			
Toluene	5.61	0.0250	5.00		112	70-130			
o-Xylene	5.50	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike (2527052-MS1) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/02/25

Benzene	5.67	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.54	0.0250	5.00	ND	111	70-130			
Toluene	5.63	0.0250	5.00	ND	113	70-130			
o-Xylene	5.51	0.0250	5.00	ND	110	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.7	70-130			

Matrix Spike Dup (2527052-MSD1) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Benzene	5.36	0.0250	5.00	ND	107	70-130	5.60	27	
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130	5.72	26	
Toluene	5.31	0.0250	5.00	ND	106	70-130	5.76	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	6.46	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	5.57	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	5.86	26	
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2526178-BLK1) Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

LCS (2526178-BS2) Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

Matrix Spike (2526178-MS2) Source: E506289-14 Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	37.5	20.0	50.0	ND	74.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike Dup (2526178-MSD2) Source: E506289-14 Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	13.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2527052-BLK1) Prepared: 07/01/25 Analyzed: 07/02/25

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

LCS (2527052-BS2) Prepared: 07/01/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

Matrix Spike (2527052-MS2) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

Matrix Spike Dup (2527052-MSD2) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130	3.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2527068-BLK1)

Prepared: 07/02/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.5		50.0		92.9	61-141			

LCS (2527068-BS1)

Prepared: 07/02/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	228	25.0	250		91.1	66-144			
Surrogate: <i>n</i> -Nonane	48.4		50.0		96.8	61-141			

Matrix Spike (2527068-MS1)

Source: E506289-25

Prepared: 07/02/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: <i>n</i> -Nonane	54.3		50.0		109	61-141			

Matrix Spike Dup (2527068-MSD1)

Source: E506289-25

Prepared: 07/02/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	56-156	4.08	20	
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

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 (2527070-BLK1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.8		50.0		116	61-141			

LCS (2527070-BS1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: n-Nonane	50.0		50.0		99.9	61-141			

Matrix Spike (2527070-MS1)					Source: E506289-16		Prepared: 07/02/25 Analyzed: 07/03/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	53.7		50.0		107	61-141			

Matrix Spike Dup (2527070-MSD1)					Source: E506289-16		Prepared: 07/02/25 Analyzed: 07/03/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	0.189	20	
Surrogate: n-Nonane	53.8		50.0		108	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2527082-BLK1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Chloride	ND	20.0							
LCS (2527082-BS1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2527082-MS1)					Source: E506286-06		Prepared: 07/02/25 Analyzed: 07/03/25		
Chloride	270	40.0	250	ND	108	80-120			
Matrix Spike Dup (2527082-MSD1)					Source: E506286-06		Prepared: 07/02/25 Analyzed: 07/03/25		
Chloride	276	40.0	250	ND	110	80-120	2.00	20	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/7/2025 3:17:17PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2527118-BLK1)					Prepared: 07/03/25 Analyzed: 07/03/25				
Chloride	ND	20.0							
LCS (2527118-BS1)					Prepared: 07/03/25 Analyzed: 07/03/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2527118-MS1)					Source: E506289-08		Prepared: 07/03/25 Analyzed: 07/03/25		
Chloride	480	20.0	250	243	94.5	80-120			
Matrix Spike Dup (2527118-MSD1)					Source: E506289-08		Prepared: 07/03/25 Analyzed: 07/03/25		
Chloride	494	20.0	250	243	100	80-120	2.89	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/07/25 15:17

- 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

Page 3 of 45

Client Information
 Client: Devon Energy Production Company, LP
 Project: RDX 15 East Production Pad
 Project Manager: Anna Byers
 Address: 13000 W County Rd 100
 City, State, Zip: Odessa, TX, 79765
 Phone: 432-305-6415
 Email: NMTXGeoGroup@etechnv.com

Invoice Information
 Company: Devon Energy Production Co.
 Address: 5315 Buena Vista Dr.
 City, State, Zip: Carlsbad, NM, 88220
 Phone: 575-885-7502
 Email: jim.raley@devn.com
 Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/

Lab Use Only
 Lab WO# E500289 Job Number 01058-0007

TAT
 1D 2D 3D Std X

State
 NM CO UT TX X

Analysis and Method
 DHO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Chloride 300.0 TCEQ 1005 - TX RCRA 8 Metals BODOC - NM BODOC - TX

EPA Program
 SDWA CWA RCRA
 Compliance Y or N
 PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DHO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	Sample Temp	Remarks
11:20	6/25/2025	S	1	PH04	4'	1								X		2.8	Corrected
11:30	6/25/2025	S	1	PH05	0.5'	2								X		3.1	Client name
11:40	6/25/2025	S	1	PH05	1'	3								X		3.1	per E.H.
11:50	6/25/2025	S	1	PH05	2'	4								X		3.0	7-1-25 CM
12:00	6/25/2025	S	1	PH05	3'	5								X		2.0	
12:10	6/25/2025	S	1	PH05	4'	6								X		2.2	Corrected sample
12:20	6/25/2025	S	1	PH05	5'	7								X		2.4	depth
12:30	6/25/2025	S	1	PH06	0.5'	8								X		3.0	per client
12:40	6/25/2025	S	1	PH06	1'	9								X		3.2	NS 7-1-25
12:50	6/25/2025	S	1	PH06	NS 2'	10								X		3.1	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Edyte Konan

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	<u>06/27/2025</u>	<u>8:00</u>	<u>Michelle Gonzales</u>	<u>6-27-25</u>	<u>6800</u>
<u>Michelle Gonzales</u>	<u>6-27-25</u>	<u>1645</u>	<u>[Signature]</u>	<u>6-27-25</u>	<u>1730</u>
<u>Andrew M.</u>	<u>6-27-25</u>	<u>2400</u>	<u>Chatter Mass</u>	<u>10-28-15</u>	<u>930</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Chain of Custody

Page 4 of 5

Analytical Laboratory Client: WPX Energy

Cm 7/1/25

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: <u>Devon Energy Production Company, LP</u>				Company: <u>Devon Energy Production Co.</u>		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: <u>RDX 15 East Production Pad</u>				Address: <u>5315 Buena Vista Dr.</u>		<u>E501289</u>	<u>01055007</u>				x	x								
Project Manager: <u>Anna Byers</u>				City, State, Zip: <u>Carlsbad, NM, 88220</u>																
Address: <u>13000 W County Rd 100</u>				Phone: <u>575-885-7502</u>																
City, State, Zip: <u>Odessa, TX, 79765</u>				Email: <u>jim.raley@dvn.com</u>																
Phone: <u>432-305-6415</u>				Miscellaneous: <u>WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/</u>																
Email: <u>NMTXGeoGroup@etechnv.com</u>																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TECQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
13:00	6/25/2025	S	1	PH06	3'	11								X			3.0			
13:10	6/25/2025	S	1	PH06	4'	12								X			2.8			
13:20	6/25/2025	S	1	PH06	5'	13								X			4.0			
13:30	6/25/2025	S	1	PH07	0.5'	14								X			2.6			
13:40	6/25/2025	S	1	PH07	1'	15								X			2.1			
13:50	6/25/2025	S	1	PH07	2'	16								X			3.6			
14:00	6/25/2025	S	1	PH07	3'	17								X			3.2			
14:10	6/25/2025	S	1	PH07	4'	18								X			2.4			
14:20	6/25/2025	S	1	PH08	0.5'	19								X			2.1			
14:30	6/25/2025	S	1	PH08	1'	20								X			2.1			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: <u>Edyte Konan</u>																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Analytical Laboratory

Chain of Custody

Page 5 of 5

Client - WPX Energy **Om** **7/1/25**

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E504289	7057-0007					x						
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220														
Address: 13000 W County Rd 100				Phone: 575-885-7502														
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dev.com														
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/														
Email: NMTXGeoGroup@etechnv.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRD/ORD by 8015	GRO/ORD by 8015	BTEX by 8021	VOC by 8260	Chloride 900.0	TCEQ 1005 - TX	RCRA 8 Metals	EGDCK - NM	BSDOC - TX	SDWA	CWA	RCRA
14:40	6/25/2025	S	1	PH08	2'	21								X				
14:50	6/25/2025	S	1	PH08	3'	22								X				
15:00	6/25/2025	S	1	PH08	4'	23								X				
15:10	6/25/2025	S	1	PH09	0.5'	24								X				
15:20	6/25/2025	S	1	PH09	1'	25								X				
15:30	6/25/2025	S	1	PH09	2'	26								X				
15:40	6/25/2025	S	1	PH09	3'	27								X				
15:50	6/25/2025	S	1	PH09	4'	28								X				
06/27/2025																		
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Edyte Konan																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> /N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E500289	0158-007				x	x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dm.com															
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:															
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/															
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
11:20	6/25/2025	S	1	PH04	4'	1								X					
11:30	6/25/2025	S	1	PH05	0.5'	2								X					
11:40	6/25/2025	S	1	PH05	1'	3								X					
11:50	6/25/2025	S	1	PH05	2'	4								X					
12:00	6/25/2025	S	1	PH05	3'	5								X					
12:10	6/25/2025	S	1	PH05	4'	6								X					
12:20	6/25/2025	S	1	PH05	5'	7								X					
12:30	6/25/2025	S	1	PH06	0.5'	8								X					
12:40	6/25/2025	S	1	PH06	1'	9								X					
12:50	6/25/2025	S	1	PH06	11:20	10								X					
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Edyte Konan																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Client Information						Invoice Information				Lab Use Only				TAT				State					
Client: Devon Energy Production Company, LP						Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: RDX 15 East Production Pad						Address: 5315 Buena Vista Dr.				E50289		010586007					x	x					
Project Manager: Anna Byers						City, State, Zip: Carlsbad, NM, 88220																	
Address: 13000 W County Rd 100						Phone: 575-885-7502																	
City, State, Zip Odessa,TX, 79765						Email: jim.raley@dvn.com																	
Phone: 432-305-6415						Miscellaneous: WO: 21570459; PN:																	
Email: NMTXGeoGroup@etechnv.com						22230/20985; IN: nAPP2511255724/																	
Sample Information						Analysis and Method										EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
																	Compliance	Y	or	N			
																	PWSID #						
																	Sample Temp			Remarks			
13:00	6/25/2025	S	1	PH06	3'	11								X			3.0						
13:10	6/25/2025	S	1	PH06	4'	12								X			2.8						
13:20	6/25/2025	S	1	PH06	5'	13								X			4.0						
13:30	6/25/2025	S	1	PH07	0.5'	14								X			2.6						
13:40	6/25/2025	S	1	PH07	1'	15								X			2.1						
13:50	6/25/2025	S	1	PH07	2'	16								X			3.6						
14:00	6/25/2025	S	1	PH07	3'	17								X			3.2						
14:10	6/25/2025	S	1	PH07	4'	18								X			2.4						
14:20	6/25/2025	S	1	PH08	0.5'	19								X			2.1						
14:30	6/25/2025	S	1	PH08	1'	20								X			2.1						
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Edyte Konan																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y N											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E504289	7057-0057				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dmv.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechnv.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
14:40	6/25/2025	S	1	PH08	2'	21								X			3.6			
14:50	6/25/2025	S	1	PH08	3'	22								X			3.4			
15:00	6/25/2025	S	1	PH08	4'	23								X			2.8			
15:10	6/25/2025	S	1	PH09	0.5'	24								X			2.2			
15:20	6/25/2025	S	1	PH09	1'	25								X			2.0			
15:30	6/25/2025	S	1	PH09	2'	26								X			1.8			
15:40	6/25/2025	S	1	PH09	3'	27								X			2.6			
15:50	6/25/2025	S	1	PH09	4'	28								X			2.1			
06/27/2025																				
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> /N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/1/2025 11:45:43AM

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:	WPX Energy - Carlsbad	Date Received:	06/28/25 09:30	Work Order ID:	E506289
Phone:	(575) 200-6754	Date Logged In:	06/27/25 15:47	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/07/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into 2 reports. WOS are E506288 & E506289.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E507014

Job Number: 01058-0007

Received: 7/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/25

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: 7/10/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E507014
Date Received: 7/2/2025 8:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2025 8:30:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH06 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported: 07/10/25 08:45
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH06 6'	E507014-01A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 8:45:16AM

PH06 6'

E507014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527101	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528006	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/07/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/07/25	07/08/25	
<i>Surrogate: n-Nonane</i>	93.0 %	61-141		07/07/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528031	
Chloride	406	20.0	1	07/08/25	07/08/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 8:45:16AM

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

Blank (2527101-BLK1)

Prepared: 07/03/25 Analyzed: 07/08/25

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	7.87		8.00		98.4	70-130			

LCS (2527101-BS1)

Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.3	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.50	0.0500	10.0		95.0	70-130			
Total Xylenes	14.1	0.0250	15.0		94.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			

Matrix Spike (2527101-MS1)

Source: E507015-02

Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	5.80	0.0250	5.00	ND	116	70-130			
Ethylbenzene	5.60	0.0250	5.00	ND	112	70-130			
Toluene	5.73	0.0250	5.00	ND	115	70-130			
o-Xylene	5.49	0.0250	5.00	ND	110	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

Matrix Spike Dup (2527101-MSD1)

Source: E507015-02

Prepared: 07/03/25 Analyzed: 07/09/25

Benzene	5.12	0.0250	5.00	ND	102	70-130	12.5	27	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	70-130	11.6	26	
Toluene	5.07	0.0250	5.00	ND	101	70-130	12.2	20	
o-Xylene	4.86	0.0250	5.00	ND	97.2	70-130	12.2	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	11.2	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.2	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 8:45:16AM

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

Blank (2527101-BLK1) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS (2527101-BS2) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike (2527101-MS2) Source: E507015-02 Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike Dup (2527101-MSD2) Source: E507015-02 Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130	1.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 8:45:16AM

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 (2528006-BLK1)					Prepared: 07/07/25 Analyzed: 07/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	61-141			

LCS (2528006-BS1)					Prepared: 07/07/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	66-144			
Surrogate: n-Nonane	45.1		50.0		90.3	61-141			

Matrix Spike (2528006-MS1)					Source: E507038-02		Prepared: 07/07/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156			
Surrogate: n-Nonane	46.5		50.0		92.9	61-141			

Matrix Spike Dup (2528006-MSD1)					Source: E507038-02		Prepared: 07/07/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156	0.441	20	
Surrogate: n-Nonane	45.4		50.0		90.8	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 8:45:16AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2528031-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	ND	20.0							
LCS (2528031-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2528031-MS1)					Source: E507004-03		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	256	40.0	250	ND	102	80-120			
Matrix Spike Dup (2528031-MSD1)					Source: E507004-03		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	256	40.0	250	ND	102	80-120	0.133	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/10/25 08:45

- 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.



~~Analytical Lab~~

Additional Instructions:

Envirotech Analytical Laboratory

Printed: 7/2/2025 11:35:28AM

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:	WPX Energy - Carlsbad	Date Received:	07/02/25 08:30	Work Order ID:	E507014
Phone:	(575) 200-6754	Date Logged In:	07/01/25 15:52	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: 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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

There were inconsistencies with samples and accompanied documents.

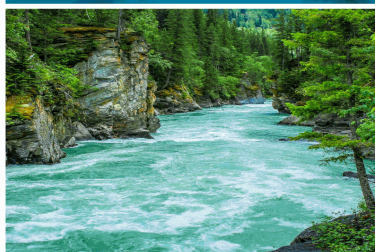
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E507016

Job Number: 01058-0007

Received: 7/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/25

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: 7/10/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E507016
Date Received: 7/2/2025 8:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2025 8:30:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
PH10 0.5'	6
PH10 1'	7
PH10 2'	8
PH10 3'	9
PH10 4'	10
PH11 0.5'	11
PH11 1'	12
PH11 2'	13
PH11 3'	14
PH11 4'	15
PH12 0.5'	16
PH12 1'	17
PH12 2'	18
PH12 3'	19
PH12 4'	20
PH13 0.5'	21
PH13 1'	22
PH13 2'	23
PH13 3'	24
PH13 4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/10/25 12:22
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH10 0.5'	E507016-01A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH10 1'	E507016-02A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH10 2'	E507016-03A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH10 3'	E507016-04A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH10 4'	E507016-05A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH11 0.5'	E507016-06A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH11 1'	E507016-07A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH11 2'	E507016-08A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH11 3'	E507016-09A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH11 4'	E507016-10A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH12 0.5'	E507016-11A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH12 1'	E507016-12A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH12 2'	E507016-13A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH12 3'	E507016-14A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH12 4'	E507016-15A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH13 0.5'	E507016-16A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH13 1'	E507016-17A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH13 2'	E507016-18A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH13 3'	E507016-19A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH13 4'	E507016-20A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH10 0.5'

E507016-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528038	
Diesel Range Organics (C10-C28)	27.3	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528043	
Chloride	609	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH10 1'

E507016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	419	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH10 2'

E507016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	236	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH10 3'

E507016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	173	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH10 4'

E507016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	175	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 7/10/2025 12:22:22PM
--	---	-----------------------------------

PH11 0.5'

E507016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2528038	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528043	
Chloride	542	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH11 1'

E507016-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	521	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH11 2'

E507016-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528038	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528043	
Chloride	334	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH11 3'

E507016-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	143	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH11 4'

E507016-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	135	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH12 0.5'

E507016-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.8 %</i>	<i>70-130</i>		<i>07/03/25</i>	<i>07/09/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>103 %</i>	<i>70-130</i>		<i>07/03/25</i>	<i>07/09/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528038	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>	<i>110 %</i>	<i>61-141</i>		<i>07/08/25</i>	<i>07/08/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528043	
Chloride	417	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH12 1'

E507016-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	468	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH12 2'

E507016-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	471	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH12 3'

E507016-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	329	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH12 4'

E507016-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	312	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH13 0.5'

E507016-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	26.1	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	674	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH13 1'

E507016-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	545	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH13 2'

E507016-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	239	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH13 3'

E507016-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>93.6 %</i>	<i>70-130</i>		<i>07/03/25</i>	<i>07/09/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>109 %</i>	<i>70-130</i>		<i>07/03/25</i>	<i>07/09/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2528038	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	<i>107 %</i>	<i>61-141</i>		<i>07/08/25</i>	<i>07/09/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528043	
Chloride	181	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 12:22:22PM

PH13 4'

E507016-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527108
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2528038
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528043
Chloride	239	20.0	1	07/08/25	07/09/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 12:22:22PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2527108-BLK1) Prepared: 07/03/25 Analyzed: 07/08/25

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	7.76		8.00		97.0	70-130			

LCS (2527108-BS1) Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		97.9	70-130			

Matrix Spike (2527108-MS1) Source: E507016-04 Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	70-130			
Toluene	5.02	0.0250	5.00	ND	100	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.8	70-130			

Matrix Spike Dup (2527108-MSD1) Source: E507016-04 Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	5.13	0.0250	5.00	ND	103	70-130	1.72	27	
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130	2.26	26	
Toluene	5.11	0.0250	5.00	ND	102	70-130	1.80	20	
o-Xylene	5.09	0.0250	5.00	ND	102	70-130	2.01	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	2.28	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	2.19	26	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 12:22:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2527108-BLK1) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			

LCS (2527108-BS2) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2527108-MS2) Source: E507016-04 Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			

Matrix Spike Dup (2527108-MSD2) Source: E507016-04 Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	3.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 12:22:22PM

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

Blank (2528038-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.4	61-141			

LCS (2528038-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	51.7		50.0		103	61-141			

Matrix Spike (2528038-MS1)					Source: E507016-15		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156			
Surrogate: n-Nonane	57.7		50.0		115	61-141			

Matrix Spike Dup (2528038-MSD1)					Source: E507016-15		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156	5.33	20	
Surrogate: n-Nonane	53.1		50.0		106	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 12:22:22PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2528043-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	ND	20.0							
LCS (2528043-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2528043-MS1)					Source: E507016-15		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	560	20.0	250	312	99.1	80-120			
Matrix Spike Dup (2528043-MSD1)					Source: E507016-15		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	572	20.0	250	312	104	80-120	2.10	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/10/25 12:22

- 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

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E507016	0058-0007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dev.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechenv.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
9:00	6/26/2025	S	1	PH10	0.5'	1								X			4.5			
9:05	6/26/2025	S	1	PH10	1'	2								X			4.3			
9:10	6/26/2025	S	1	PH10	2'	3								X			4.2			
9:15	6/26/2025	S	1	PH10	3'	4								X			4.4			
9:20	6/26/2025	S	1	PH10	4'	5								X			4.5			
9:25	6/26/2025	S	1	PH11	0.5'	6								X			5.1			
9:30	6/26/2025	S	1	PH11	1'	7								X			5.0			
9:35	6/26/2025	S	1	PH11	2'	8								X			4.9			
9:40	6/26/2025	S	1	PH11	3'	9								X			4.8			
9:45	6/26/2025	S	1	PH11	4'	10								X			4.7			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E507016	01058-0007				x	x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/															
Email: NMTXGeoGroup@etechnv.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:50	6/26/2025	S	1	PH12	0.5'	11								X					
9:55	6/26/2025	S	1	PH12	1'	12								X					
10:00	6/26/2025	S	1	PH12	2'	13								X					
10:05	6/26/2025	S	1	PH12	3'	14								X					
10:10	6/26/2025	S	1	PH12	4'	15								X					
10:15	6/26/2025	S	1	PH13	0.5'	16								X					
10:20	6/26/2025	S	1	PH13	1'	17								X					
10:25	6/26/2025	S	1	PH13	2'	18								X					
10:30	6/26/2025	S	1	PH13	3'	19								X					
10:35	6/26/2025	S	1	PH13	4'	20								X					
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Edyte Konan																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 7/2/2025 11:39:30AM

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:	WPX Energy - Carlsbad	Date Received:	07/02/25 08:30	Work Order ID:	E507016
Phone:	(575) 200-6754	Date Logged In:	07/01/25 16:00	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into multiple reports. WOS are E507016 to E507019. There were inconsistencies with samples and accompanied documents.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

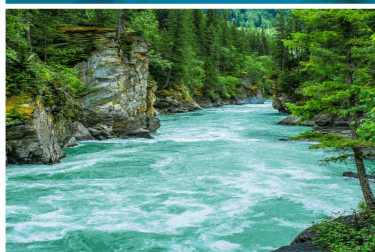
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E507017

Job Number: 01058-0007

Received: 7/2/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/25

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: 7/10/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E507017
Date Received: 7/2/2025 8:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2025 8:30:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
PH13 5'	6
PH14 0.5'	7
PH14 1'	8
PH14 2'	9
PH14 3'	10
PH14 4'	11
PH14 5'	12
PH14 6'	13
PH15 0.5'	14
PH15 1'	15
PH15 2'	16
PH15 3'	17
PH15 4'	18
PH15 5'	19
PH15 6'	20
PH16 0.5'	21
PH16 1'	22
PH16 2'	23
PH16 3'	24
PH16 4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/10/25 14:20
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH13 5'	E507017-01A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 0.5'	E507017-02A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 1'	E507017-03A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 2'	E507017-04A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 3'	E507017-05A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 4'	E507017-06A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 5'	E507017-07A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH14 6'	E507017-08A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 0.5'	E507017-09A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 1'	E507017-10A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 2'	E507017-11A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 3'	E507017-12A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 4'	E507017-13A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 5'	E507017-14A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH15 6'	E507017-15A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 0.5'	E507017-16A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 1'	E507017-17A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 2'	E507017-18A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 3'	E507017-19A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 4'	E507017-20A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH13 5'

E507017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	248	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 0.5'

E507017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	346	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 1'

E507017-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	253	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 2'

E507017-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	101 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	66.5	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported: 7/10/2025 2:20:03PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	

PH14 3'

E507017-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
Surrogate: 4-Bromochlorobenzene-PID	97.3 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
Surrogate: n-Nonane	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	50.3	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 4'

E507017-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	48.6	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 5'

E507017-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528053
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2528044
Chloride	221	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH14 6'

E507017-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	230	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 0.5'

E507017-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	32.3	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 1'

E507017-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	39.7	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 2'

E507017-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	158	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 3'

E507017-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	167	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 4'

E507017-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528053
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2528044
Chloride	31.0	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 5'

E507017-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	161	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH15 6'

E507017-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.4 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	32.7	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH16 0.5'

E507017-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	43.3	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH16 1'

E507017-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	40.0	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH16 2'

E507017-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528053
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2528044
Chloride	47.3	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH16 3'

E507017-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527109
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	80.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528053
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	99.8 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2528044
Chloride	44.0	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 2:20:03PM

PH16 4'

E507017-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528053	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2528044	
Chloride	40.1	20.0	1	07/08/25	07/09/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 2:20:03PM

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

Blank (2527109-BLK1)

Prepared: 07/03/25 Analyzed: 07/09/25

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	7.53		8.00		94.2	70-130			

LCS (2527109-BS1)

Prepared: 07/03/25 Analyzed: 07/09/25

Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.26	0.0250	5.00		105	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

Matrix Spike (2527109-MS1)

Source: E507017-06

Prepared: 07/03/25 Analyzed: 07/09/25

Benzene	5.55	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.37	0.0250	5.00	ND	107	70-130			
Toluene	5.48	0.0250	5.00	ND	110	70-130			
o-Xylene	5.25	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2527109-MSD1)

Source: E507017-06

Prepared: 07/03/25 Analyzed: 07/09/25

Benzene	4.96	0.0250	5.00	ND	99.1	70-130	11.3	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	70-130	10.9	26	
Toluene	4.90	0.0250	5.00	ND	98.1	70-130	11.2	20	
o-Xylene	4.70	0.0250	5.00	ND	94.0	70-130	11.1	25	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	70-130	10.6	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	70-130	10.8	26	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 2:20:03PM

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

Blank (2527109-BLK1) Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

LCS (2527109-BS2) Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike (2527109-MS2) Source: E507017-06 Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2527109-MSD2) Source: E507017-06 Prepared: 07/03/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.3	70-130	3.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 2:20:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

Blank (2528053-BLK1)					Prepared: 07/08/25 Analyzed: 07/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.9		50.0		102	61-141			

LCS (2528053-BS1)					Prepared: 07/08/25 Analyzed: 07/09/25				
Diesel Range Organics (C10-C28)	271	25.0	250		108	66-144			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike (2528053-MS1)					Source: E507017-15		Prepared: 07/08/25 Analyzed: 07/09/25		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike Dup (2528053-MSD1)					Source: E507017-15		Prepared: 07/08/25 Analyzed: 07/09/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	3.55	20	
Surrogate: n-Nonane	52.5		50.0		105	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 2:20:03PM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2528044-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	ND	20.0							
LCS (2528044-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2528044-MS1)					Source: E507017-06		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	314	20.0	250	48.6	106	80-120			
Matrix Spike Dup (2528044-MSD1)					Source: E507017-06		Prepared: 07/08/25 Analyzed: 07/08/25		
Chloride	322	20.0	250	48.6	109	80-120	2.51	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/10/25 14:20

- 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

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E507017	01058-0007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																
Email: NMTXGeoGroup@etechemv.com				22230/20985; IN: nAPP2511255724/																
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
10:40	6/26/2025	S	1	PH13	5'	1								X			4.4			
10:45	6/26/2025	S	1	PH14	0.5'	2								X			4.7			
10:50	6/26/2025	S	1	PH14	1'	3								X			5.0			
10:55	6/26/2025	S	1	PH14	2'	4								X			4.4			
11:00	6/26/2025	S	1	PH14	3'	5								X			4.6			
11:05	6/26/2025	S	1	PH14	4'	6								X			5.1			
11:10	6/26/2025	S	1	PH14	5'	7								X			4.9			
11:15	6/26/2025	S	1	PH14	6'	8								X			4.7			
11:20	6/26/2025	S	1	PH15	0.5'	9								X			4.6			
11:25	6/26/2025	S	1	PH15	1'	10								X			4.0			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Chain of Custody

Page 4 of 8

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E 507017	01058-0007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dmv.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechemv.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
11:30	6/26/2025	S	1	PH15	2'	11								X			4.1			
11:35	6/26/2025	S	1	PH15	3'	12								X			4.0			
11:40	6/26/2025	S	1	PH15	4'	13								X			4.0			
11:45	6/26/2025	S	1	PH15	5'	14								X			5.1			
11:50	6/26/2025	S	1	PH15	6'	15								X			5.0			
11:55	6/26/2025	S	1	PH16	0.5'	16								X			4.8			
12:00	6/26/2025	S	1	PH16	1'	17								X			4.9			
12:05	6/26/2025	S	1	PH16	2'	18								X			4.7			
12:10	6/26/2025	S	1	PH16	3'	19								X			4.5			
12:15	6/26/2025	S	1	PH16	4'	20								X			5.0			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> /N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/2/2025 11:45:32AM

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:	WPX Energy - Carlsbad	Date Received:	07/02/25 08:30	Work Order ID:	E507017
Phone:	(575) 200-6754	Date Logged In:	07/01/25 16:04	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into multiple reports. WOS are E507016 to E507019. There were inconsistencies with samples and accompanied documents.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

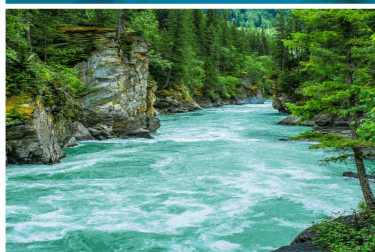
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E507018

Job Number: 01058-0007

Received: 7/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/25

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: 7/10/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E507018
Date Received: 7/2/2025 8:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2025 8:30:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
PH16 5'	6
PH16 6'	7
PH17 0.5'	8
PH17 1'	9
PH17 2'	10
PH17 3'	11
PH17 4'	12
PH17 5'	13
PH18 0.5'	14
PH18 1'	15
PH18 2'	16
PH18 3'	17
PH18 4'	18
PH18 5'	19
PH19 0.5'	20
PH19 1'	21
PH19 2'	22
PH19 3'	23
PH19 4'	24
PH19 5'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/10/25 16:36
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH16 5'	E507018-01A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH16 6'	E507018-02A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 0.5'	E507018-03A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 1'	E507018-04A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 2'	E507018-05A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 3'	E507018-06A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 4'	E507018-07A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH17 5'	E507018-08A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 0.5'	E507018-09A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 1'	E507018-10A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 2'	E507018-11A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 3'	E507018-12A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 4'	E507018-13A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH18 5'	E507018-14A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 0.5'	E507018-15A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 1'	E507018-16A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 2'	E507018-17A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 3'	E507018-18A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 4'	E507018-19A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH19 5'	E507018-20A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH16 5'

E507018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.8 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/10/25	
<i>Surrogate: n-Nonane</i>	87.3 %	61-141		07/08/25	07/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	37.3	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH16 6'

E507018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	90.2 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	36.1	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 0.5'

E507018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		91.7 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	370	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 1'

E507018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	88.3 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	785	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 2'

E507018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.4 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		87.4 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	276	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 3'

E507018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	80.8 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	278	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 4'

E507018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		90.5 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	267	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH17 5'

E507018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/08/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/08/25	
Toluene	ND	0.0250	1	07/03/25	07/08/25	
o-Xylene	ND	0.0250	1	07/03/25	07/08/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/08/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.5 %	70-130		07/03/25	07/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	86.7 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	376	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 0.5'

E507018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	87.1 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 1'

E507018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	89.8 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 2'

E507018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	90.1 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	25.6	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 3'

E507018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	91.6 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 4'

E507018-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	71.4 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	55.4	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH18 5'

E507018-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>	90.0 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	28.4	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 0.5'

E507018-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.7 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	91.4 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 1'

E507018-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	91.5 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 2'

E507018-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.6 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	87.3 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	65.4	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 3'

E507018-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.2 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>	88.2 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	193	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 4'

E507018-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.4 %	70-130	07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>		87.6 %	61-141	07/08/25	07/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	105	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 4:36:32PM

PH19 5'

E507018-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Benzene	ND	0.0250	1	07/03/25	07/09/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/09/25	
Toluene	ND	0.0250	1	07/03/25	07/09/25	
o-Xylene	ND	0.0250	1	07/03/25	07/09/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/09/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2527110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		07/03/25	07/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2528054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	91.3 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528045	
Chloride	23.7	20.0	1	07/08/25	07/09/25	



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 7/10/2025 4:36:32PM
--	---	----------------------------------

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

Blank (2527110-BLK1)

Prepared: 07/03/25 Analyzed: 07/08/25

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	7.53		8.00		94.1	70-130			

LCS (2527110-BS1)

Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike (2527110-MS1)

Source: E507018-05

Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	4.97	0.0250	5.00	ND	99.4	70-130			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130			
Toluene	4.93	0.0250	5.00	ND	98.5	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		94.9	70-130			

Matrix Spike Dup (2527110-MSD1)

Source: E507018-05

Prepared: 07/03/25 Analyzed: 07/08/25

Benzene	4.96	0.0250	5.00	ND	99.2	70-130	0.256	27	
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	70-130	0.134	26	
Toluene	4.93	0.0250	5.00	ND	98.5	70-130	0.0365	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130	0.0522	25	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	70-130	0.0493	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130	0.0503	26	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 4:36:32PM

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

Blank (2527110-BLK1) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

LCS (2527110-BS2) Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

Matrix Spike (2527110-MS2) Source: E507018-05 Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			

Matrix Spike Dup (2527110-MSD2) Source: E507018-05 Prepared: 07/03/25 Analyzed: 07/08/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130	5.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 4:36:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

Blank (2528054-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	61-141			

LCS (2528054-BS1)					Prepared: 07/08/25 Analyzed: 07/10/25				
Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: n-Nonane	42.4		50.0		84.8	61-141			

Matrix Spike (2528054-MS1)					Source: E507018-14		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	56-156			
Surrogate: n-Nonane	39.5		50.0		79.0	61-141			

Matrix Spike Dup (2528054-MSD1)					Source: E507018-14		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156	1.11	20	
Surrogate: n-Nonane	39.5		50.0		79.0	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 4:36:32PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2528045-BLK1)					Prepared: 07/08/25 Analyzed: 07/09/25				
Chloride	ND	20.0							
LCS (2528045-BS1)					Prepared: 07/08/25 Analyzed: 07/09/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2528045-MS1)					Source: E507018-04		Prepared: 07/08/25 Analyzed: 07/09/25		
Chloride	994	20.0	250	785	83.6	80-120			
Matrix Spike Dup (2528045-MSD1)					Source: E507018-04		Prepared: 07/08/25 Analyzed: 07/09/25		
Chloride	1020	20.0	250	785	92.5	80-120	2.20	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/10/25 16:36

- 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.





Chain of Custody

Page 5 of 8

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E507018	61058-0007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechnv.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
12:20	6/26/2025	S	1	PH16	5'	1								X			4.9			
12:25	6/26/2025	S	1	PH16	6'	2								X			4.1			
12:30	6/26/2025	S	1	PH17	0.5'	3								X			3.0			
12:35	6/26/2025	S	1	PH17	1'	4								X			4.7			
12:40	6/26/2025	S	1	PH17	2'	5								X			4.6			
12:45	6/26/2025	S	1	PH17	3'	6								X			5.0			
12:50	6/26/2025	S	1	PH17	4'	7								X			3.1			
12:55	6/26/2025	S	1	PH17	5'	8								X			4.6			
13:00	6/26/2025	S	1	PH18	0.5'	9								X			4.2			
13:05	6/26/2025	S	1	PH18	1'	10								X			3.8			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Chain of Custody

Page 6 of 8

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E 507018	010580007				x	x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/															
Email: NMTXGeoGroup@etechnv.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
13:10	6/26/2025	S	1	PH18	2'	11								X					
13:15	6/26/2025	S	1	PH18	3'	12								X					
13:20	6/26/2025	S	1	PH18	4'	13								X					
13:25	6/26/2025	S	1	PH18	5'	14								X					
13:30	6/26/2025	S	1	PH19	0.5'	15								X					
13:35	6/26/2025	S	1	PH19	1'	16								X					
13:40	6/26/2025	S	1	PH19	2'	17								X					
13:45	6/26/2025	S	1	PH19	3'	18								X					
13:50	6/26/2025	S	1	PH19	4'	19								X					
13:55	6/26/2025	S	1	PH19	5'	20								X					
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Edyte Konan																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 7/2/2025 11:46:10AM

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:	WPX Energy - Carlsbad	Date Received:	07/02/25 08:30	Work Order ID:	E507018
Phone:	(575) 200-6754	Date Logged In:	07/01/25 16:09	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into multiple reports. WOS are E507016 to E507019. There were inconsistencies with samples and accompanied documents.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

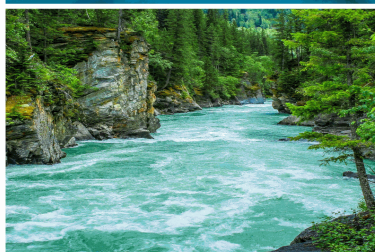
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E507019

Job Number: 01058-0007

Received: 7/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/25

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: 7/10/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E507019
Date Received: 7/2/2025 8:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2025 8:30:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH20 0.5'	5
PH20 1'	6
PH20 2'	7
PH20 3'	8
PH20 4'	9
PH20 5'	10
PH21 0.5'	11
PH21 1'	12
PH21 2'	13
PH21 3'	14
PH21 4'	15
QC Summary Data	16
QC - Volatile Organics by EPA 8021B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX 15 East Production Pad Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 07/10/25 09:43
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH20 0.5'	E507019-01A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH20 1'	E507019-02A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH20 2'	E507019-03A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH20 3'	E507019-04A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH20 4'	E507019-05A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH20 5'	E507019-06A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH21 0.5'	E507019-07A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH21 1'	E507019-08A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH21 2'	E507019-09A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH21 3'	E507019-10A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.
PH21 4'	E507019-11A	Soil	06/26/25	07/02/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 0.5'

E507019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2527119	
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.6 %	70-130	07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2527119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2528055	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	07/08/25	07/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2528046	
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 1'

E507019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	ND	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 2'

E507019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	73.0 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	123	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 3'

E507019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	104	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 4'

E507019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/08/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	172	20.0	1	07/08/25	07/08/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH20 5'

E507019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	106	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH21 0.5'

E507019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	38.2	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH21 1'

E507019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	158	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH21 2'

E507019-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	159	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH21 3'

E507019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	150	20.0	1	07/08/25	07/09/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
7/10/2025 9:43:43AM

PH21 4'

E507019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Benzene	ND	0.0250	1	07/03/25	07/07/25	
Ethylbenzene	ND	0.0250	1	07/03/25	07/07/25	
Toluene	ND	0.0250	1	07/03/25	07/07/25	
o-Xylene	ND	0.0250	1	07/03/25	07/07/25	
p,m-Xylene	ND	0.0500	1	07/03/25	07/07/25	
Total Xylenes	ND	0.0250	1	07/03/25	07/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2527119
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/25	07/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/03/25	07/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2528055
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/25	07/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/25	07/09/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/08/25	07/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528046
Chloride	157	20.0	1	07/08/25	07/09/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 9:43:43AM

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

Blank (2527119-BLK1) Prepared: 07/03/25 Analyzed: 07/07/25

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	6.85		8.00		85.7	70-130			

LCS (2527119-BS1) Prepared: 07/03/25 Analyzed: 07/07/25

Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.35	0.0250	5.00		107	70-130			
Toluene	5.42	0.0250	5.00		108	70-130			
o-Xylene	5.29	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.2	70-130			

Matrix Spike (2527119-MS1) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25

Benzene	4.69	0.0250	5.00	ND	93.9	70-130			
Ethylbenzene	4.60	0.0250	5.00	ND	92.0	70-130			
Toluene	4.66	0.0250	5.00	ND	93.3	70-130			
o-Xylene	4.62	0.0250	5.00	ND	92.3	70-130			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.93		8.00		86.6	70-130			

Matrix Spike Dup (2527119-MSD1) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25

Benzene	4.45	0.0250	5.00	ND	89.0	70-130	5.37	27	
Ethylbenzene	4.36	0.0250	5.00	ND	87.2	70-130	5.40	26	
Toluene	4.43	0.0250	5.00	ND	88.5	70-130	5.23	20	
o-Xylene	4.40	0.0250	5.00	ND	88.0	70-130	4.79	25	
p,m-Xylene	8.86	0.0500	10.0	ND	88.6	70-130	5.33	23	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130	5.15	26	
Surrogate: 4-Bromochlorobenzene-PID	6.96		8.00		87.0	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 9:43:43AM

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

Blank (2527119-BLK1) Prepared: 07/03/25 Analyzed: 07/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

LCS (2527119-BS2) Prepared: 07/03/25 Analyzed: 07/07/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike (2527119-MS2) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

Matrix Spike Dup (2527119-MSD2) Source: E507019-05 Prepared: 07/03/25 Analyzed: 07/07/25

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.4	70-130	0.847	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 9:43:43AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

Blank (2528055-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	61-141			

LCS (2528055-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	51.8		50.0		104	61-141			

Matrix Spike (2528055-MS1)					Source: E507019-02		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	53.5		50.0		107	61-141			

Matrix Spike Dup (2528055-MSD1)					Source: E507019-02		Prepared: 07/08/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	291	25.0	250	ND	117	56-156	2.93	20	
Surrogate: n-Nonane	55.8		50.0		112	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/10/2025 9:43:43AM

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 (2528046-BLK1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	ND	20.0							
LCS (2528046-BS1)					Prepared: 07/08/25 Analyzed: 07/08/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2528046-MS1)					Source: E507019-05		Prepared: 07/08/25 Analyzed: 07/09/25		
Chloride	440	20.0	250	172	107	80-120			
Matrix Spike Dup (2528046-MSD1)					Source: E507019-05		Prepared: 07/08/25 Analyzed: 07/09/25		
Chloride	460	20.0	250	172	115	80-120	4.44	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	07/10/25 09:43

- 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

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E507019	01058-0007				x	x								
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																
Address: 13000 W County Rd 100				Phone: 575-885-7502																
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com																
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN: 22230/20985; IN: nAPP2511255724/																
Email: NMTXGeoGroup@etechnv.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
14:00	6/26/2025	S	1	PH20	0.5'	1								X			4.4			
14:05	6/26/2025	S	1	PH20	1'	2								X			4.8			
14:10	6/26/2025	S	1	PH20	2'	3								X			5.0			
14:15	6/26/2025	S	1	PH20	3'	4								X			5.1			
14:20	6/26/2025	S	1	PH20	4'	5								X			4.6			
14:25	6/26/2025	S	1	PH20	5'	6								X			4.6			
14:30	6/26/2025	S	1	PH21	0.5'	7								X			4.0			
14:35	6/26/2025	S	1	PH21	1'	8								X			4.1			
14:40	6/26/2025	S	1	PH21	2'	9								X			4.2			
14:45	6/26/2025	S	1	PH21	3'	10								X			4.8			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Edyte Konan																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

[illegible]

Envirotech Analytical Laboratory

Printed: 7/7/2025 11:06:21AM

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:	WPX Energy - Carlsbad	Date Received:	07/02/25 08:30	Work Order ID:	E507019
Phone:	(575) 200-6754	Date Logged In:	07/01/25 16:11	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	07/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project RDX 15 East Production Pad has been separated into multiple reports. WOS are E507016 to E507019. There were inconsistencies with samples and accompanied documents.

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

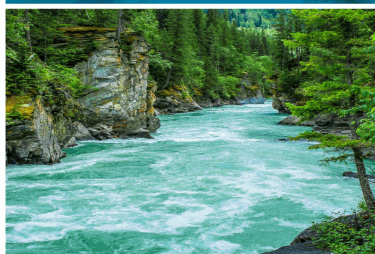
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E508271

Job Number: 01058-0007

Received: 8/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/27/25

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: 8/27/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E508271
Date Received: 8/26/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2025 7:00:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH22 0.5'	5
PH22 1'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/27/25 14:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH22 0.5'	E508271-01A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.
PH22 1'	E508271-02A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/27/2025 2:46:15PM

PH22 0.5'

E508271-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>		91.1 %	61-141	08/26/25	08/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	221	20.0	1	08/26/25	08/26/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/27/2025 2:46:15PM

PH22 1'

E508271-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535022
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
	92.0 %	61-141		08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535030
Chloride	28.1	20.0	1	08/26/25	08/26/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/27/2025 2:46:15PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2535023-BLK1) Prepared: 08/26/25 Analyzed: 08/26/25

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	7.90		8.00		98.7	70-130			

LCS (2535023-BS1) Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.50	0.0250	5.00		90.1	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.63	0.0250	5.00		92.6	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2535023-MS1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	70-130			
Toluene	4.76	0.0250	5.00	ND	95.2	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	70-130			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2535023-MSD1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.75	0.0250	5.00	ND	95.1	70-130	0.683	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	70-130	1.27	26	
Toluene	4.81	0.0250	5.00	ND	96.1	70-130	0.949	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	1.49	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	1.36	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	1.40	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/27/2025 2:46:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2535023-BLK1)

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

LCS (2535023-BS2)

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

Matrix Spike (2535023-MS2)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2535023-MSD2)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	11.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/27/2025 2:46:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2535022-BLK1)

Prepared: 08/26/25 Analyzed: 08/26/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.4		50.0		96.9	61-141			

LCS (2535022-BS1)

Prepared: 08/26/25 Analyzed: 08/26/25

Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: <i>n</i> -Nonane	46.4		50.0		92.8	61-141			

Matrix Spike (2535022-MS1)

Source: E508267-01

Prepared: 08/26/25 Analyzed: 08/26/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: <i>n</i> -Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2535022-MSD1)

Source: E508267-01

Prepared: 08/26/25 Analyzed: 08/26/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.29	20	
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.9	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/27/2025 2:46:15PM

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

Blank (2535030-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	ND	20.0							
LCS (2535030-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2535030-MS1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	326	20.0	250	85.9	96.0	80-120			
Matrix Spike Dup (2535030-MSD1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	320	20.0	250	85.9	93.6	80-120	1.92	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/27/25 14:46

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.



Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX								
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		E508271	00580007	x				x											
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																			
Address: 13000 W County Rd 100				Phone: 575-885-7502																			
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dnv.com																			
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																			
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/																			
Sample Information						Analysis and Method								EPA Program									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
8:30	8/22/2025	S	1	PH22	0.5'	1									x								
8:40	8/22/2025	S	1	PH22	1'	2									x								
08/25/2025																							
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Edyte Konan																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N															
<i>Michelle Gonzalez</i>		8/25/25	6:00	<i>Michelle Gonzalez</i>		8-25-25	0600																
<i>Michelle Gonzalez</i>		8-25-25	1430	<i>Marissa Gonzalez</i>		8-25-25	1430																
<i>Marissa Gonzalez</i>		8-25-25	1900	<i>Andrew Musso</i>		8-25-25	1900																
<i>Andrew Musso</i>		8-25-25	2300	<i>Andrew Musso</i>		8-26-25	700																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 8/26/2025 10:58:01AM

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:	WPX Energy - Carlsbad	Date Received:	08/26/25 07:00	Work Order ID:	E508271
Phone:	(575) 200-6754	Date Logged In:	08/25/25 15:41	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/26/25 07:00 (0 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/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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E508273

Job Number: 01058-0007

Received: 8/26/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/28/25

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: 8/28/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E508273
Date Received: 8/26/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2025 7:00:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH23 0.5'	5
PH23 1'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/28/25 11:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH23 0.5'	E508273-01A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.
PH23 1'	E508273-02A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:04:36AM

PH23 0.5'

E508273-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.5 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.9 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>	110 %	61-141		08/26/25	08/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	311	20.0	1	08/26/25	08/26/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:04:36AM

PH23 1'

E508273-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535022
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535030
Chloride	29.2	20.0	1	08/26/25	08/26/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:04:36AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2535023-BLK1) Prepared: 08/26/25 Analyzed: 08/26/25

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	7.90		8.00		98.7	70-130			

LCS (2535023-BS1) Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.50	0.0250	5.00		90.1	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.63	0.0250	5.00		92.6	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2535023-MS1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	70-130			
Toluene	4.76	0.0250	5.00	ND	95.2	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	70-130			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2535023-MSD1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.75	0.0250	5.00	ND	95.1	70-130	0.683	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	70-130	1.27	26	
Toluene	4.81	0.0250	5.00	ND	96.1	70-130	0.949	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	1.49	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	1.36	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	1.40	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:04:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2535023-BLK1)

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

LCS (2535023-BS2)

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

Matrix Spike (2535023-MS2)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2535023-MSD2)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	11.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:04:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2535022-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	61-141			

LCS (2535022-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: n-Nonane	46.4		50.0		92.8	61-141			

Matrix Spike (2535022-MS1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2535022-MSD1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.29	20	
Surrogate: n-Nonane	49.9		50.0		99.9	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:04:36AM

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

Blank (2535030-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	ND	20.0							
LCS (2535030-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2535030-MS1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	326	20.0	250	85.9	96.0	80-120			
Matrix Spike Dup (2535030-MSD1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	320	20.0	250	85.9	93.6	80-120	1.92	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.



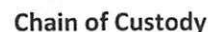
Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/28/25 11:04

- 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.



Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.				E508273		01058-0007		x				x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																			
Address: 13000 W County Rd 100				Phone: 575-885-7502																			
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@devon.com																			
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																			
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/																			
Sample Information						Analysis and Method										EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	SDWA	CWA	RCRA					
8:50	8/22/2025	S	1	PH23	0.5'	1									X								
9:00	8/22/2025	S	1	PH23	1'	2									X								
						3																	
08/25/2025																							
Additional Instructions:						I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Edyte Konan																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.											
<i>[Signature]</i>		8/25/25		8:00		<i>Michelle Gonzales</i>		8.25.25		0600													
<i>Michelle Gonzales</i>		8-25-25		1430		<i>Marissa Gonzales</i>		8-25-25		1430													
<i>Marissa Gonzales</i>		8-25-25		1900		<i>Andrew Musso</i>		8.25.25		1900													
<i>Andrew Musso</i>		8.25.25		2300		<i>Caitlynn</i>		8-26-25		700													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: Y N											
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 8/26/2025 11:10:30AM

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:	WPX Energy - Carlsbad	Date Received:	08/26/25 07:00	Work Order ID:	E508273
Phone:	(575) 200-6754	Date Logged In:	08/25/25 15:47	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/26/25 07:00 (0 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/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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

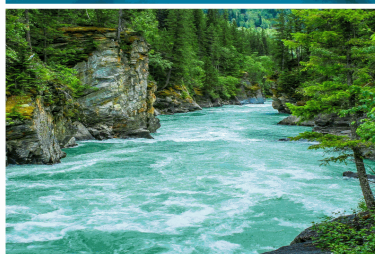


envirotech Inc.



Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO# E508273		Job Number 01058-0007		1D	2D	3D	Std	NM	CO	UT	TX	
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.						x				x				
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220														
Address: 13000 W County Rd 100				Phone: 575-885-7502														
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@devn.com														
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:														
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/														
nAPP2423222000 CM 8/28/25																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	8DDOC - NM	8DDOC - TX	SDWA	CWA	RCRA
8:50	8/22/2025	S	1	PH23	0.5'	1								X				
9:00	8/22/2025	S	1	PH23	1'	2								X				
						3												
08/25/2025 Added IN # per Client. 8/28/25 CM																		
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Edyte Konan																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.										
Michelle Gonzalez		8-25-25	1430	Michelle Gonzalez		8-25-25	1430											
Marissa Gonzales		8-25-25	1900	Andrew Musso		8-25-25	1900											
Andrew Musso		8-25-25	2300	Caitlynn		8-26-25	700											
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E508272

Job Number: 01058-0007

Received: 8/26/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/28/25

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: 8/28/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E508272
Date Received: 8/26/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2025 7:00:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH24 0.5'	5
PH24 1'	6
PH24 2'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported: 08/28/25 11:02
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH24 0.5'	E508272-01A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.
PH24 1'	E508272-02A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.
PH24 2'	E508272-03A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:02:09AM

PH24 0.5'

E508272-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
		91.5 %	61-141	08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	ND	20.0	1	08/26/25	08/26/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:02:09AM

PH24 1'

E508272-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535023
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535022
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
		91.4 %	61-141	08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535030
Chloride	ND	20.0	1	08/26/25	08/26/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:02:09AM

PH24 2'

E508272-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
		90.8 %	61-141	08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	ND	20.0	1	08/26/25	08/26/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:02:09AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2535023-BLK1)

Prepared: 08/26/25 Analyzed: 08/26/25

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	7.90		8.00		98.7	70-130			

LCS (2535023-BS1)

Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.50	0.0250	5.00		90.1	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.63	0.0250	5.00		92.6	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2535023-MS1)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	70-130			
Toluene	4.76	0.0250	5.00	ND	95.2	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	70-130			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2535023-MSD1)

Source: E508270-01

Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.75	0.0250	5.00	ND	95.1	70-130	0.683	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	70-130	1.27	26	
Toluene	4.81	0.0250	5.00	ND	96.1	70-130	0.949	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	1.49	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	1.36	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	1.40	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:02:09AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2535023-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

LCS (2535023-BS2)					Prepared: 08/26/25 Analyzed: 08/26/25				
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

Matrix Spike (2535023-MS2)					Source: E508270-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2535023-MSD2)					Source: E508270-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	11.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:02:09AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2535022-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	61-141			

LCS (2535022-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: n-Nonane	46.4		50.0		92.8	61-141			

Matrix Spike (2535022-MS1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2535022-MSD1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.29	20	
Surrogate: n-Nonane	49.9		50.0		99.9	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:02:09AM

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 (2535030-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	ND	20.0							
LCS (2535030-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2535030-MS1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	326	20.0	250	85.9	96.0	80-120			
Matrix Spike Dup (2535030-MSD1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	320	20.0	250	85.9	93.6	80-120	1.92	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/28/25 11:02

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

[illegible]

Envirotech Analytical Laboratory

Printed: 8/26/2025 11:06:15AM

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:	WPX Energy - Carlsbad	Date Received:	08/26/25 07:00	Work Order ID:	E508272
Phone:	(575) 200-6754	Date Logged In:	08/25/25 15:44	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/26/25 07:00 (0 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/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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

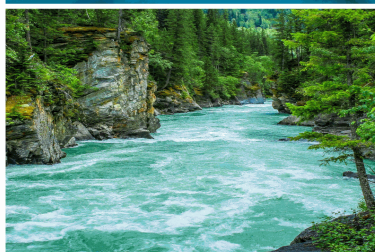


Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: WPX Energy Permian, LLC				Company: Devon Energy Production Co.		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX						
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.		5508272	01058-0007	x				x									
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																	
Address: 13000 W County Rd 100				Phone: 575-885-7502																	
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com																	
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																	
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/																	
Sample Information				Analysis and Method																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DISC/OD/GR/CL	STOR by DISC/GR	BTEX by B021	VOC by B250	Chloride 300.0	TCTQ 1005 - TX	ICSA 8 Metals	BOD5C WAF	BOD5C TX	EPA Program	Compliance	Y	or	N	
9:10	8/22/2025	S	1	PH24	0.5'	1											SDWA				
9:20	8/22/2025	S	1	PH24	1'	2											CWA				
9:30	8/22/2025	S	1	PH24	2'	3											RCRA				
								PWSID #													
								Sample Temp													
								Remarks													
								3.9 Added													
								3.7 IN # per													
								3.1 Client.													
								8/28/25													
								Cm													
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Edyste Kohan																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Report to:
Anna Byers



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 15 East Production Pad

Work Order: E508274

Job Number: 01058-0007

Received: 8/26/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/28/25

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: 8/28/25



Anna Byers
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 15 East Production Pad
Workorder: E508274
Date Received: 8/26/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2025 7:00:00AM, under the Project Name: RDX 15 East Production Pad.

The analytical test results summarized in this report with the Project Name: RDX 15 East Production Pad 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH24 3'	5
PH24 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/28/25 11:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH24 3'	E508274-01A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.
PH24 4'	E508274-02A	Soil	08/22/25	08/26/25	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:05:49AM

PH24 3'

E508274-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.7 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/26/25	08/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	ND	20.0	1	08/26/25	08/26/25	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 15 East Production Pad
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
8/28/2025 11:05:49AM

PH24 4'

E508274-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Benzene	ND	0.0250	1	08/26/25	08/26/25	
Ethylbenzene	ND	0.0250	1	08/26/25	08/26/25	
Toluene	ND	0.0250	1	08/26/25	08/26/25	
o-Xylene	ND	0.0250	1	08/26/25	08/26/25	
p,m-Xylene	ND	0.0500	1	08/26/25	08/26/25	
Total Xylenes	ND	0.0250	1	08/26/25	08/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2535023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/25	08/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		08/26/25	08/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2535022	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/25	08/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/25	08/26/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		08/26/25	08/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2535030	
Chloride	ND	20.0	1	08/26/25	08/26/25	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:05:49AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2535023-BLK1) Prepared: 08/26/25 Analyzed: 08/26/25

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	7.90		8.00		98.7	70-130			

LCS (2535023-BS1) Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.50	0.0250	5.00		90.1	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.56	0.0250	5.00		91.1	70-130			
o-Xylene	4.63	0.0250	5.00		92.6	70-130			
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130			
Total Xylenes	13.9	0.0250	15.0		92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2535023-MS1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.72	0.0250	5.00	ND	94.4	70-130			
Ethylbenzene	4.75	0.0250	5.00	ND	94.9	70-130			
Toluene	4.76	0.0250	5.00	ND	95.2	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	70-130			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2535023-MSD1) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Benzene	4.75	0.0250	5.00	ND	95.1	70-130	0.683	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	70-130	1.27	26	
Toluene	4.81	0.0250	5.00	ND	96.1	70-130	0.949	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	1.49	25	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	70-130	1.36	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	1.40	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:05:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2535023-BLK1) Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

LCS (2535023-BS2) Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

Matrix Spike (2535023-MS2) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

Matrix Spike Dup (2535023-MSD2) Source: E508270-01 Prepared: 08/26/25 Analyzed: 08/26/25

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130	11.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:05:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2535022-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.9	61-141			

LCS (2535022-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: n-Nonane	46.4		50.0		92.8	61-141			

Matrix Spike (2535022-MS1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2535022-MSD1)					Source: E508267-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.29	20	
Surrogate: n-Nonane	49.9		50.0		99.9	61-141			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	8/28/2025 11:05:49AM

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

Blank (2535030-BLK1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	ND	20.0							
LCS (2535030-BS1)					Prepared: 08/26/25 Analyzed: 08/26/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2535030-MS1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	326	20.0	250	85.9	96.0	80-120			
Matrix Spike Dup (2535030-MSD1)					Source: E508268-01		Prepared: 08/26/25 Analyzed: 08/26/25		
Chloride	320	20.0	250	85.9	93.6	80-120	1.92	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

WPX Energy - Carlsbad	Project Name:	RDX 15 East Production Pad	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	08/28/25 11:05

- 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.



Client Information				Invoice Information				Lab Use Only				TAT				State																	
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX														
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.				E508274		01058-0007		x				x																	
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																													
Address: 13000 W County Rd 100				Phone: 575-885-7502																													
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@devn.com																													
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																													
Email: NMTXGeoGroup@etechnv.com				22230/20985; IN: nAPP2511255724/																													
																Analysis and Method				EPA Program													
																DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA						
																									Compliance		Y	or	N				
																									PWSID #	Sample Temp			Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number																											
9:40	8/22/2025	S	1	PH24	3'	1																											
9:50	8/22/2025	S	1	PH24	4'	2																											
08/25/2025																																	
Additional Instructions:																																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																																	
Sampled by: Edyte Konan																																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice:																					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																	

Envirotech Analytical Laboratory

Printed: 8/26/2025 11:11:42AM

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:	WPX Energy - Carlsbad	Date Received:	08/26/25 07:00	Work Order ID:	E508274
Phone:	(575) 200-6754	Date Logged In:	08/25/25 16:01	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	08/26/25 07:00 (0 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/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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

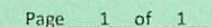
Client Instruction

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

Date



envirotech Inc.



Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: WPX Energy Permian, LLC.				Company: Devon Energy Production Co.		Lab WO# E508274		Job Number 01058-0007		1D	2D	3D	Std	NM	CO	UT	TX				
Project: RDX 15 East Production Pad				Address: 5315 Buena Vista Dr.						x				x							
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220																	
Address: 13000 W County Rd 100				Phone: 575-885-7502																	
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@devn.com																	
Phone: 432-305-6415				Miscellaneous: WO: 21570459; PN:																	
Email: NMTXGeoGroup@etechev.com				22230/20985; IN: nAPP2511255724/ napp2423222600																	
Sample Information					Analysis and Method										EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1065 - TX	RCRA 8 Metals	EGDOC - NM	EGDOC - TX	SDWA	CWA	RCRA			
9:40	8/22/2025	S	1	PH24	3'	1								X		Compliance	Y	or	I		
9:50	8/22/2025	S	1	PH24	4'	2								X		PWSID #					
															Sample Temp					Remarks	
															3.9 Added						
															3.6 MN # per Client.						
															8/28/25						
															Cm						
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Edyte Konan																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temperature above 0 but less than 6°C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Michelle Gonzales		08/25/25		6:00		Michelle Gonzales		8-25-25		0600											
Marissa Gonzales		8-25-25		1430		Marissa Gonzales		8-25-25		1430											
Andrew Musso		8-25-25		1900		Andrew Musso		8-25-25		1900											
Cathy Man		8-25-25		2300		Cathy Man		8-26-25		700											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

APPENDIX H

Correspondence & Notifications

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 477075

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 477075
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423222600
Incident Name	NAPP2423222600 RDX 15 EAST PRODUCTION PAD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	RDX 15 EAST PRODUCTION PAD
Date Release Discovered	08/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,401
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/25/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From intersection of Buck Jackson Rd and Pipeline Rd head West on Pipeline Rd for approx. 2.24 mi, head South for approx. 0.87 mi at the Y, Left for approx 1.34 mi, West for 0.55 mi, North for 0.14 mi, East for 0.18 mi, Northeast for 0.04 mi to GPS point (32.041814, -103.863988).

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 477075

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 477075
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/19/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/19/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 477963

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 477963
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423222600
Incident Name	NAPP2423222600 RDX 15 EAST PRODUCTION PAD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	RDX 15 EAST PRODUCTION PAD
Date Release Discovered	08/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,401
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/26/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From intersection of Buck Jackson Rd and Pipeline Rd head West on Pipeline Rd for approx. 2.24 mi, head South for approx. 0.87 mi at the Y, Left for approx 1.34 mi, West for 0.55 mi, North for 0.14 mi, East for 0.18 mi, Northeast for 0.04 mi to GPS point (32.041814, -103.863988).

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 477963

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 477963
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/23/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/23/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 497424

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 497424
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423222600
Incident Name	NAPP2423222600 RDX 15 EAST PRODUCTION PAD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	RDX 15 EAST PRODUCTION PAD
Date Release Discovered	08/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,401
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/22/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From intersection of Buck Jackson Rd and Pipeline Rd head West on Pipeline Rd for approx. 2.24 mi, head South for approx. 0.87 mi at the Y, Left for approx 1.34 mi, West for 0.55 mi, North for 0.14 mi, East for 0.18 mi, Northeast for 0.04 mi to GPS point (32.041814, -103.863988).

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 497424

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 497424
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	8/20/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/20/2025

Erick Herrera

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, June 18, 2025 8:23 AM
To: Erick Herrera
Cc: Raley, Jim; NM TX Geo Group; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Final Extension) - WPX Energy - RDX 15 East Production Pad - Incident Number nAPP2423222600

Erick,

A 90-day extension is approved. This will be the **final extension** for this release. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **September 16th, 2025**. Include this e-mail correspondence in the report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, June 17, 2025 2:43 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] WPX Energy Extension Request - RDX 15 East Production Pad - Incident Number nAPP2423222600

From: Erick Herrera <erick@etechenv.com>
Sent: Tuesday, June 17, 2025 2:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dm.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>
Subject: [EXTERNAL] WPX Energy Extension Request - RDX 15 East Production Pad - Incident Number nAPP2423222600

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

Good afternoon,

On behalf of WPX Energy Permian, LLC (WPX), Etech Environmental & Safety Solutions, Inc. (Etech) respectfully asks for a

90-day extension request for a report currently due on June 17th, 2025, associated with Incident Number nAPP2423222600 at the RDX 15 East Production Pad (Site). An additional inadvertent release of produced water occurred on April 22nd, 2025, assigned Incident Number nAPP2511255724, which overlapped the impacted area associated with Incident Number nAPP2423222600. As such, Incident Number nAPP2423222600 will need to be reinvestigated concurrently with Incident Number nAPP2511255724. Since the approval of the Site Characterization and Remediation Plan report for Incident Number nAPP2423222600, a depth to water boring was permitted and recently drilled near the Site to support the depth to groundwater determination, and an additional cultural survey was completed to accommodate delineation activities for the most recent Incident.

To provide enough time to conduct additional delineation activities based on updated Site conditions, review laboratory analytical results, and prepare a complete corrective action report, WPX requests a 90-day extension of the current of June 17th, 2025, deadline to September 15, 2025, for Incident Number nAPP2423222600.

Thank you,



Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 21, 2025 3:02 PM
To: Erick Herrera
Cc: Raley, Jim; NM TX Geo Group; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] WPX Energy Extension Request - RDX 15 East Production Pad - Incident Number nAPP2511255724

Good afternoon Erick,

A 90-day extension is approved for NAPP2511255724 RDX 15 EAST PRODUCTION PAD. A remediation plan or closure report must be submitted to the OCD Permitting website no later than October 20, 2025. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Monday, July 21, 2025 11:17 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>
Cc: Raley, Jim <jim.ralej@dmv.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>
Subject: [EXTERNAL] WPX Energy Extension Request - RDX 15 East Production Pad - Incident Number nAPP2511255724

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

Good morning,

On behalf of WPX Energy Permian, LLC (WPX), Etech Environmental & Safety Solutions, Inc. (Etech) respectfully asks for a 90-day extension request for a report currently due on July 21st, 2025, associated with Incident Number nAPP2511255724 at the RDX 15 East Production Pad (Site). The release extent of Incident Number nAPP2511255724 overlaps a portion of the area previously impacted by Incident Number nAPP2423222600, necessitating additional investigation and land access planning and permitting to ensure cultural and biological clearances. Land access has since been permitted and initial delineation has been completed, however, further investigation via delineation soil sampling is warranted to develop a complete remediation plan for both releases.

In order to provide enough time to conduct additional delineation activities based on updated Site conditions, review laboratory analytical results, and prepare a complete corrective action report, WPX requests a 90-day extension of the current July 21st, 2025, deadline to October 19th, 2025, for Incident Number nAPP2511255724.

Thank you,



Erick Herrera
Lead Project Geologist/GIS Manager
Etech Environmental & Safety Solutions, Inc.
W: (432) 305-6416
C: (281) 777-4152

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 505972

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511255724
Incident Name	NAPP2511255724 RDX 15 EAST PRODUCTION PAD @ I-15-26S-30E 2310S 990E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	RDX 15 EAST PRODUCTION PAD
Date Release Discovered	04/22/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

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

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Tank (Any) Produced Water Released: 161 BBL Recovered: 151 BBL Lost: 10 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)	Water transfer pump failed to run, allowing produced water tank to overflow to earthen secondary containment. Small amounts of fluids escaped secondary containment and impacted pad surface.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 505972

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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@dvni.com Date: 09/16/2025
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 505972

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	17600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	752
GRO+DRO (EPA SW-846 Method 8015M)	267
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	12/31/2025
On what date will (or did) the final sampling or liner inspection occur	08/22/2025
On what date will (or was) the remediation complete(d)	12/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	1608
What is the estimated volume (in cubic yards) that will be reclaimed	119
What is the estimated surface area (in square feet) that will be remediated	6796
What is the estimated volume (in cubic yards) that will be remediated	119
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 505972

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	R-360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 09/16/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 505972

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 505972

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	497427
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/22/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	2401

Remediation Closure Request

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

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 505972

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 505972
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The Variance Request for 400 ft2 floor confirmation sample size is approved. The release area will still need confirmation sidewall samples representing no more than 200 ft2. The Variance Request to use the Environmental Karst Study to ultimately determine the site as "stable" is approved. Any area designated as a "release area" or "area of concern" will need to have confirmation samples conducted within the entire boundary of that area, not just at delineation sample point locations that show contaminants over closure criteria standards.	11/4/2025
rhamlet	All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to be completed in 90 days after the report has been reviewed.	11/4/2025