

CLOSURE REQUEST REPORT

RDX Federal 21 #021

Eddy County, New Mexico

Incident Number nAPP2400432622

Prepared for:

WPX Energy Permian, LLC.

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



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Request Report (CRR) detailing corrective actions and subsequent soil sampling activities associated with an inadvertent release of produced water at the RDX Federal 21 #021 (Site). Based on the laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA).

SITE LOCATION AND BACKGROUND

The Site is located in Unit E, Section 21, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.030720°, -103.891716°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1** in **Appendix A**).

On December 28, 2023, an underground flowline developed a leak, causing the release of approximately 5 barrels (bbls) of produced water onto the well pad surface. Vacuum trucks were immediately dispatched and recovered approximately 2 bbls of produced water. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 4, 2024, and was subsequently assigned Incident Number nAPP2400432622.

On January 4, 2024, Etech conducted initial site assessment activities which included mapping the observed release footprint, hereafter referred to as the Area of Concern (AOC), which is shown in **Figure 2** in **Appendix A**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site 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.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring (MW-1) that was drilled by Talon LPE for WPX on December 8, 2020, located approximately 0.49 miles northwest of the Site on the RDX 17 #3 well pad. Using a truck mounted drill rig equipped with air rotary, the soil boring was advanced to a total depth of 107 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. The referenced soil boring record is provided in **Appendix B**. All soil boring locations and regional groundwater well locations used to determine depth to groundwater are shown in **Figure 1A** in **Appendix A**.

Closure Request Report Incident Number nAPP2400432622 RDX Federal 21 #021



All other receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the Site characterization are included in **Figure 1B and Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was 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-diesel range organics (DRO)	EPA 8021B	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	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

During January 15 through January 19, 2024, Etech conducted delineation activities to assess the presence and/or absence of impacts associated with the AOC. Fourteen delineation boreholes (BH01 through BH14) were advanced via hand auger within and around the AOC. Delineation activities were directed 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 from each delineation soil sampling location, representing the highest observed field screening and greatest depth. Field screening results and observations for delineation soil samples were recorded on soil sampling logs, which are included as **Appendix C**. The locations of the delineation soil samples are displayed in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly 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 Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated BTEX and TPH concentrations were below the Site Closure Criteria for all delineation soil samples. However, TPH-GRO + TPH-DRO exceedances were detected at delineation soil sampling locations BH05 and BH14, which are characterized by concentrations ranging from 1,130 mg/kg to 1,290 mg/kg.

Laboratory analytical results indicated chloride concentrations were below the Site Closure Criteria for all delineation soil samples. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

Closure Request Report Incident Number nAPP2400432622 RDX Federal 21 #021



EXCAVATION SOIL SAMPLING ACTIVITIES

During March 19 through March 20, 2023, Etech oversaw excavation activities via mechanical equipment to address impacts identified by delineation soil sample laboratory analytical results and visual observation. Excavation soil samples were field screened for VOCs and chloride as previously described.

Following the removal of impacted soil, Etech collected 5-point composite confirmation soil samples (FS01 through FS12, and SW01 through SW04) at a frequency no greater than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Excavation confirmation soil samples were handled and analyzed as previously described. The locations of the excavation confirmation soil samples are shown in **Figure 3** in **Appendix A**.

Upon completion of remediation activities, impacted soil was removed from the Site and transported to the Northern Delaware Basin disposal in Jal, New Mexico under WPX approved manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of all Site activities is included in **Appendix D**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

CLOSURE REQUEST

Based on laboratory analytical results, impacts associated with the AOC have been delineated and excavated in accordance with Site Closure Criteria and removed from the Site. Due to the active status of the well pad where the inadvertent release occurred, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. Since depth to groundwater at the Site is estimated to be greater than 100 feet bgs and there are no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes residual chloride concentrations within the AOC exceeding the reclamation standard but below the Site Closure Criteria meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

WPX will reassess the Site during plugging and abandonment activities and address those soil concentrations above the reclamation requirements of 600 mg/kg chloride and 100 mg/kg TPH associated with the inadvertent release (**Figure 4** in **Appendix A**). The final remediation will be confirmed via excavation confirmation sampling and is subject to change. As such, NFA appears warranted at this time and the CRR associated with Incident Number nAPP2400432622 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or joseph@etechenv.com or Gilbert Moreno at (832) 541-7719 or gilbert@etechenv.com. Documentation of correspondence and notifications regarding Incident Number nAPP2400432622 is presented as **Attachment G**.

Closure Request Report Incident Number nAPP2400432622 RDX Federal 21 #021



Sincerely,

Etech Environmental and Safety Solutions, Inc.

Gilbert Moreno 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: Excavation Soil Sample Locations

Figure 4: Future Restoration Areas

Appendix B: Referenced Well Records

Appendix C: Soil Sampling Logs

Appendix D: Photographic Log

Appendix E: Tables

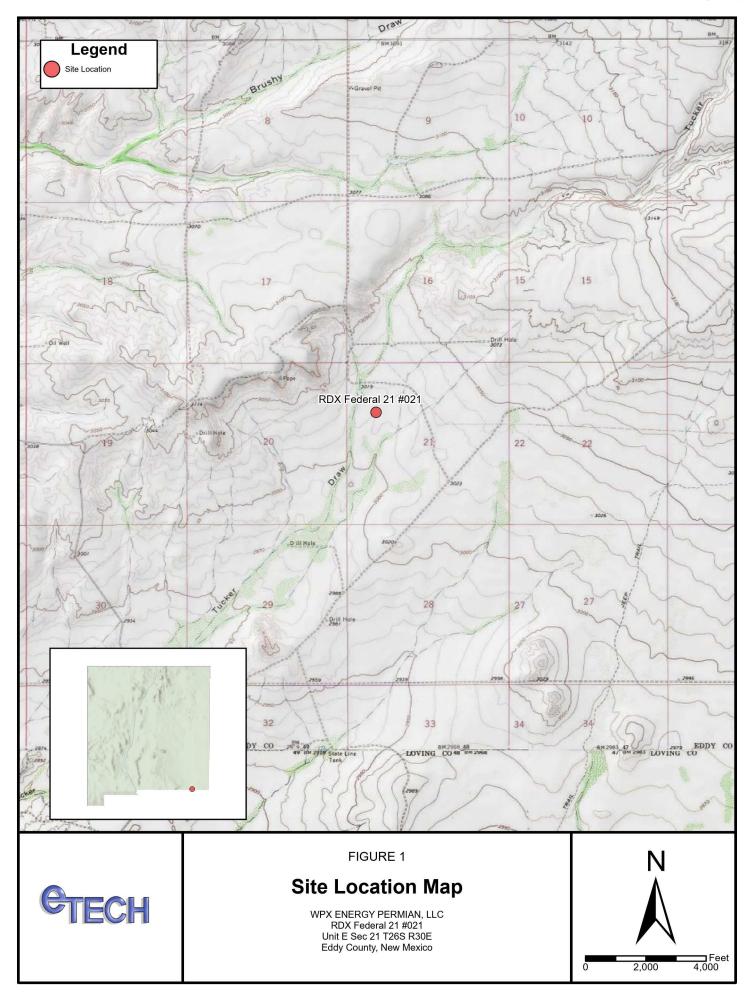
Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation

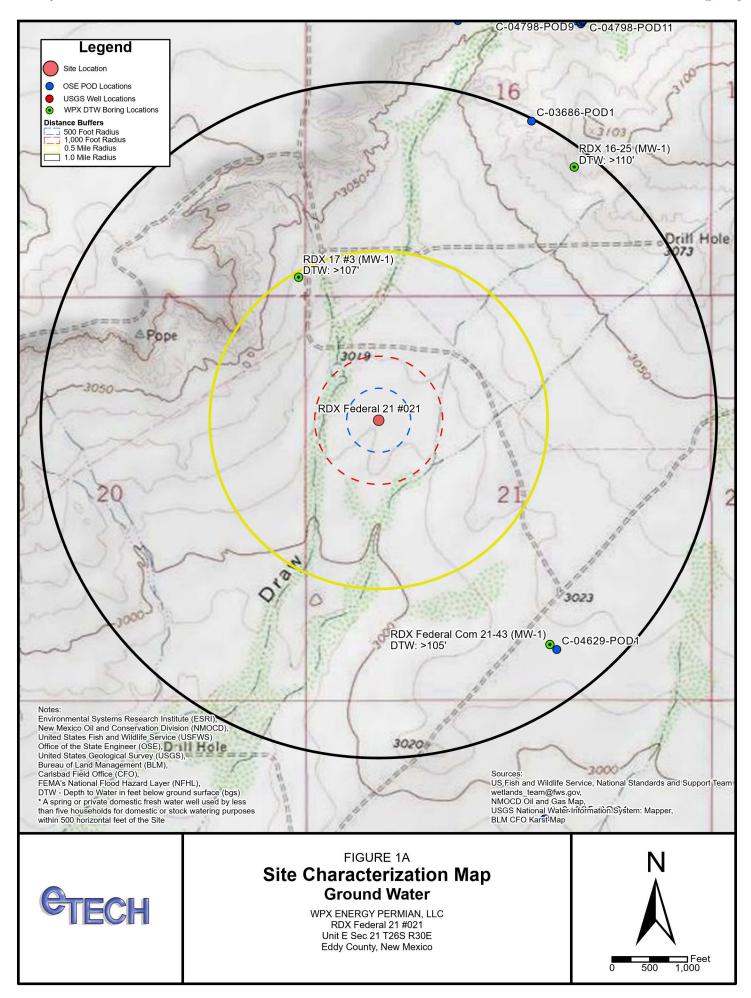
Appendix G: Correspondence & Notifications

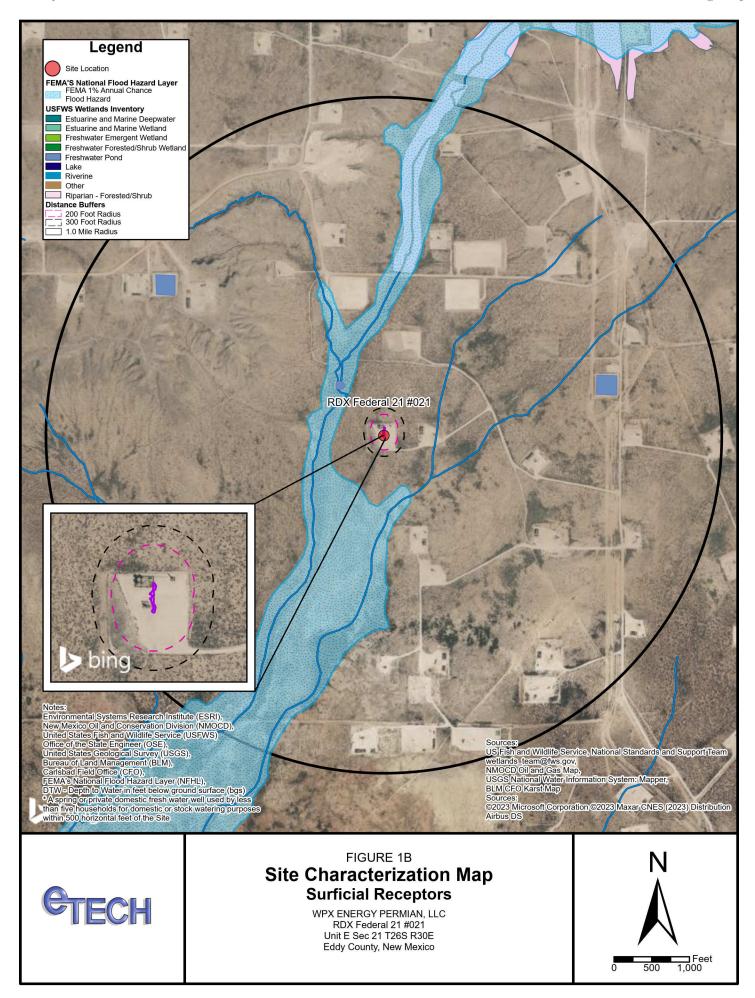
APPENDIX A

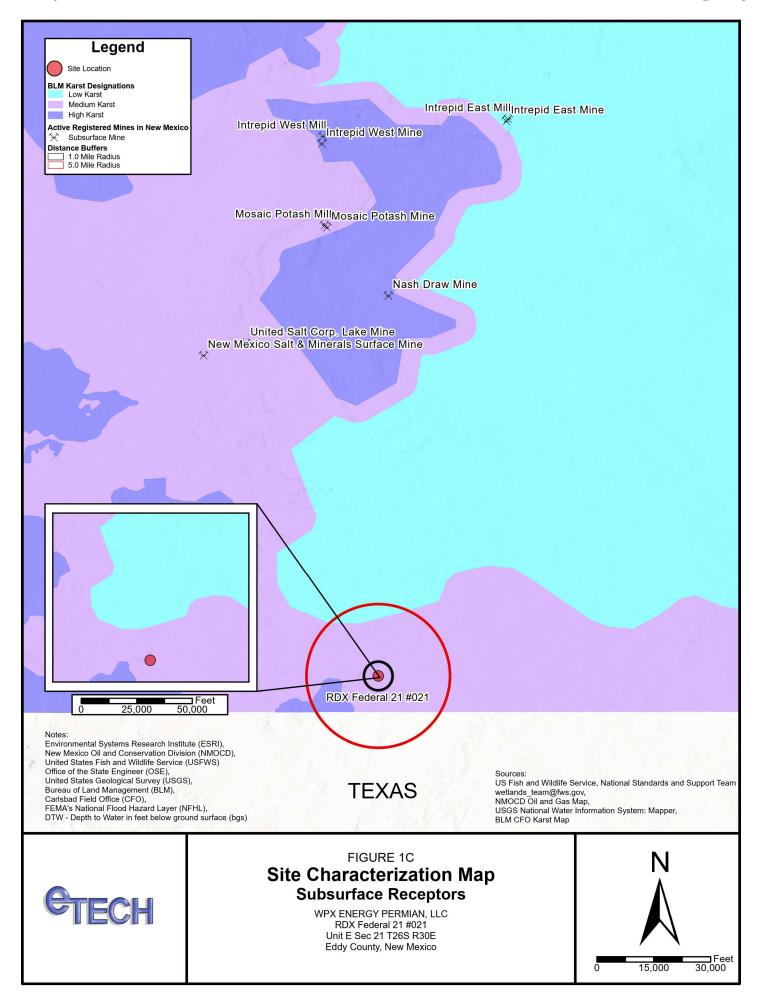
Figures

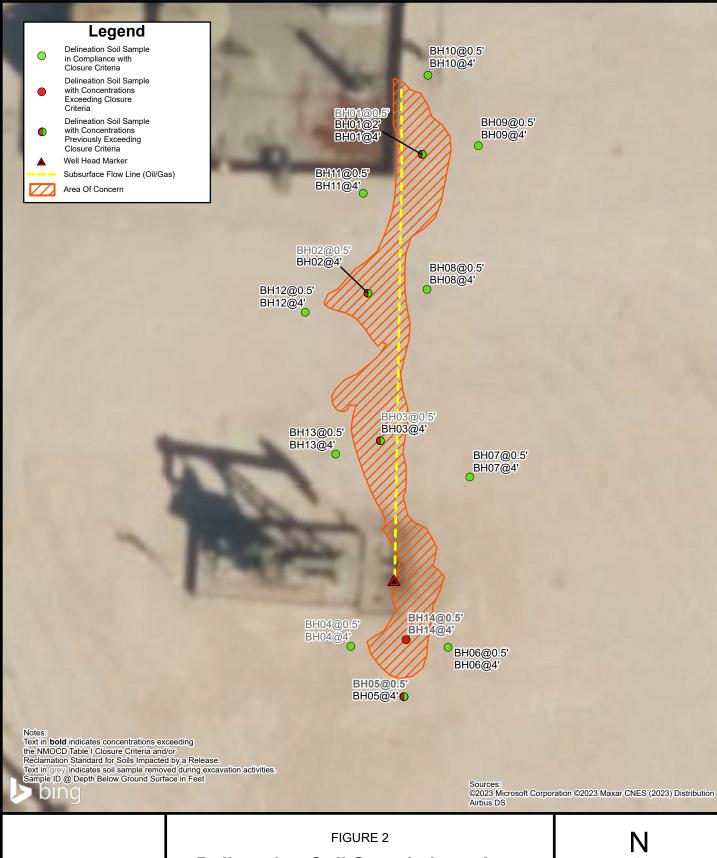








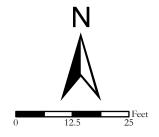


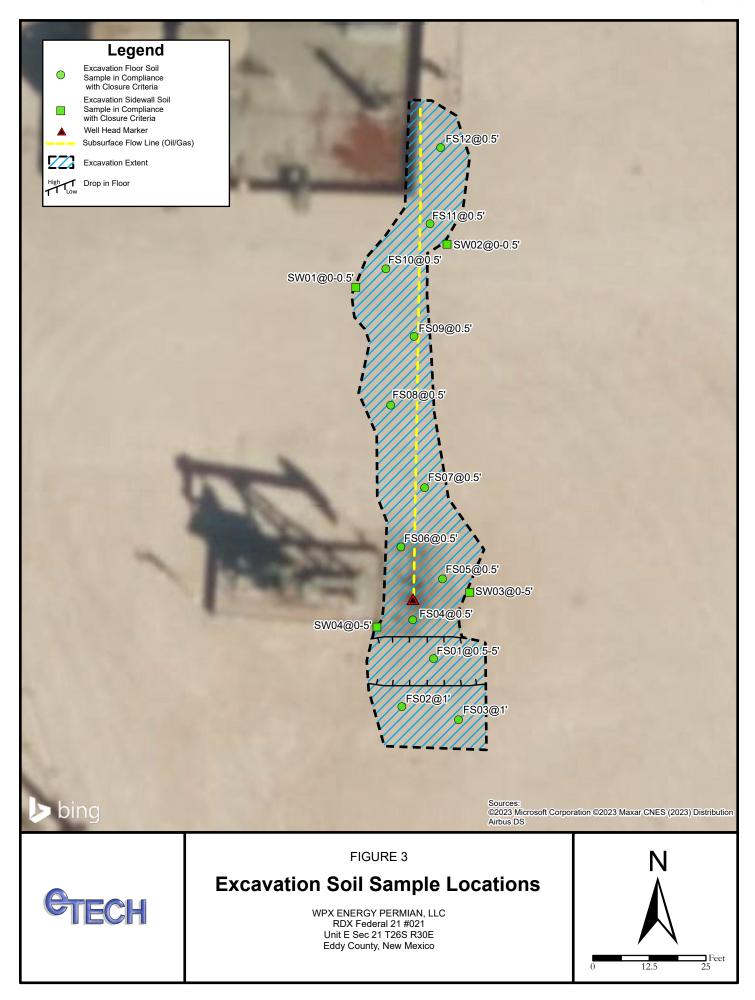




Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC RDX Federal 21 #021 Unit E Sec 21 T26S R30E Eddy County, New Mexico







APPENDIX B

Referenced Well Records

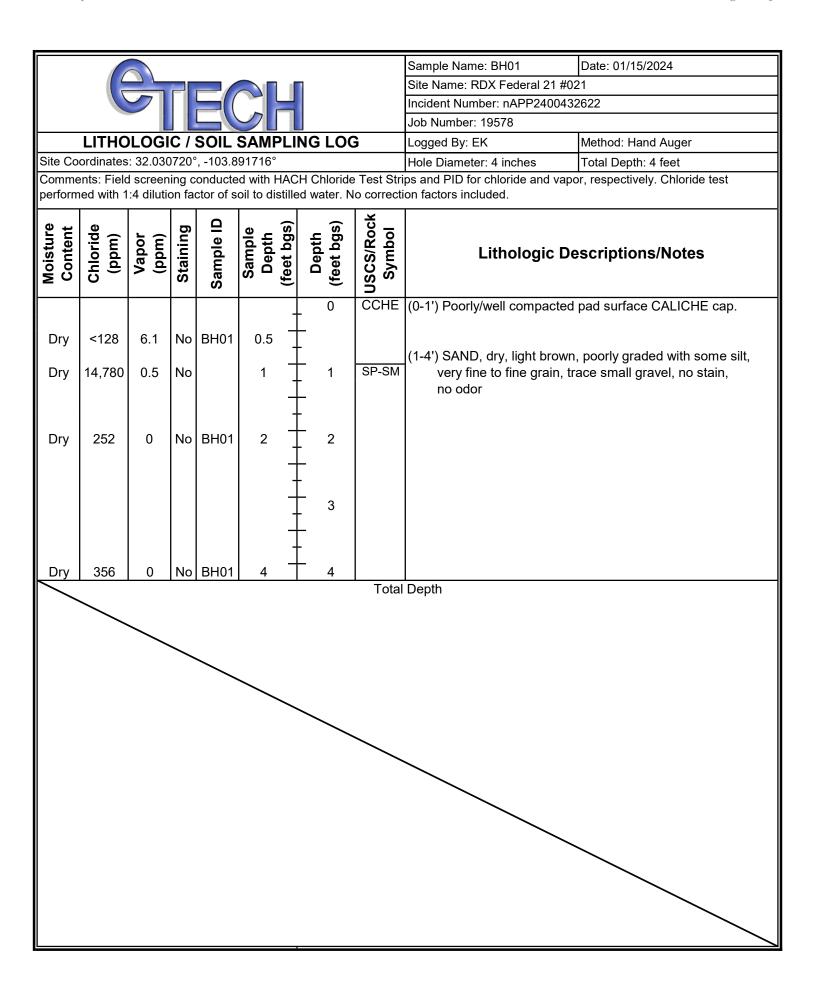


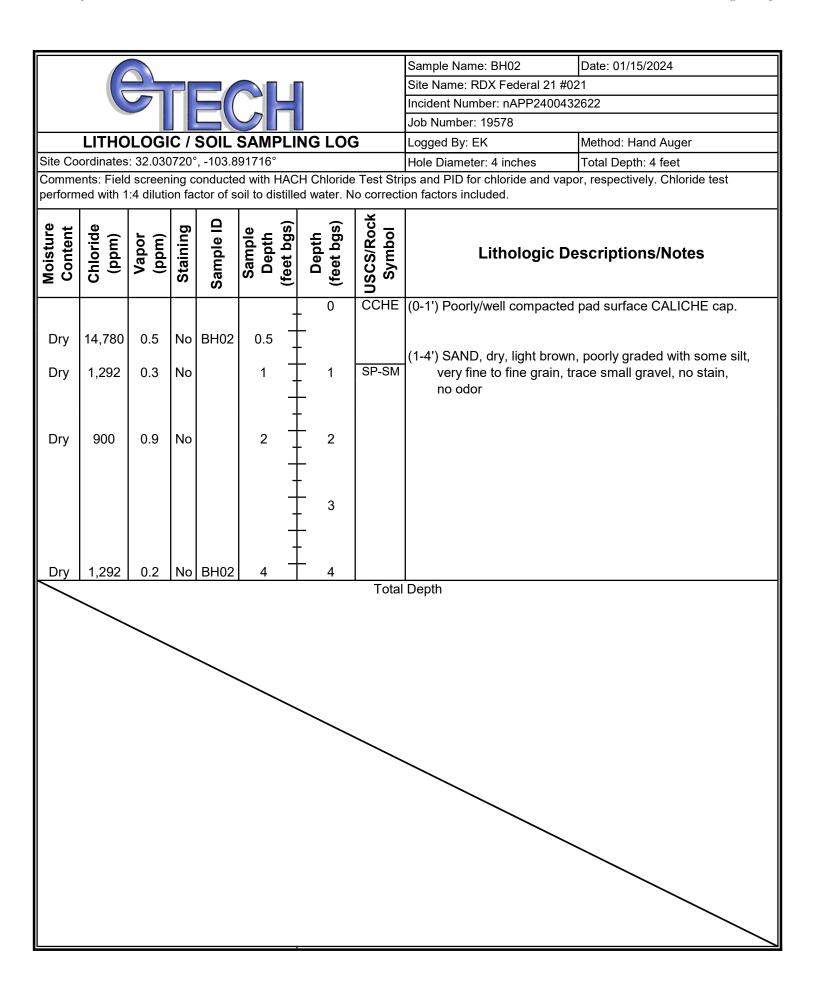
		HR	ı						MONITORING W	ELL COMPLETION	N DIAGRA	M	
COMPLIANCE						Boring/Wel		W-1	Location: RDX 17 #3				
	SOLUTIONS						Date:			Client:			
							I ID		3/2020	WPX Energy			
_	Drilling Method: Sampling Method: Air Rotary None						Logged By:		nn, PG	Drilled By: Talon L	PE		
Gravel Pac	k Type:	•	Gravel Pac	k Depth Inte			Seal Type:		Seal Depth Interval:	Latitude:			
	0/20 Sar	nd Diameter:			ags			one al Depth (ft. BC	None		32.036765		
Casing Typ PVC	e:	2-inch		Depth Inter			Boring Tota		38): 07	Longitude: -103.895	-103.895993		
Screen Typ	e:	Slot:		Diameter:		Interval:	Well Total	Depth (ft. BGS		Depth to Water (ft. BTOC): DTW Date:			
PVC		0.010-ii	nch	2-inch	102-	107 ft		10	07	> 107 12/16/20		20	
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Litholog	Well Completion			
0 5 10	NM	L	D	N	N	NM	SP	NS	Pale orange poorly graded fine sand				
15 20 25													
30	NM	L	D	N	N	NM	SP	NS	Same as above with slight increase in coarse sand and gravel				
40 45 50	NM	L	D	N	N	NM	SP	NS	Pale orange poorly graded fine sand with very slight silt				
55	NM	L	D	N	N	NM	SP	NS	Pale orange poorly graded fine sand		†		
60	NM	L	D	N	N	NM	SW	NS		l graded fine sand	†		
65 70 75 80 85	NM	М	SL M	N	N	NM	SM	NS	Pale red orange clayey silty fine sand with minor coarse sand and gravel		† - - -		
90 95 100 105	NM	L	SL M	N	N	NM	SP	NS	Pale orange poorly sorted fine sand - TD 107' BGS				

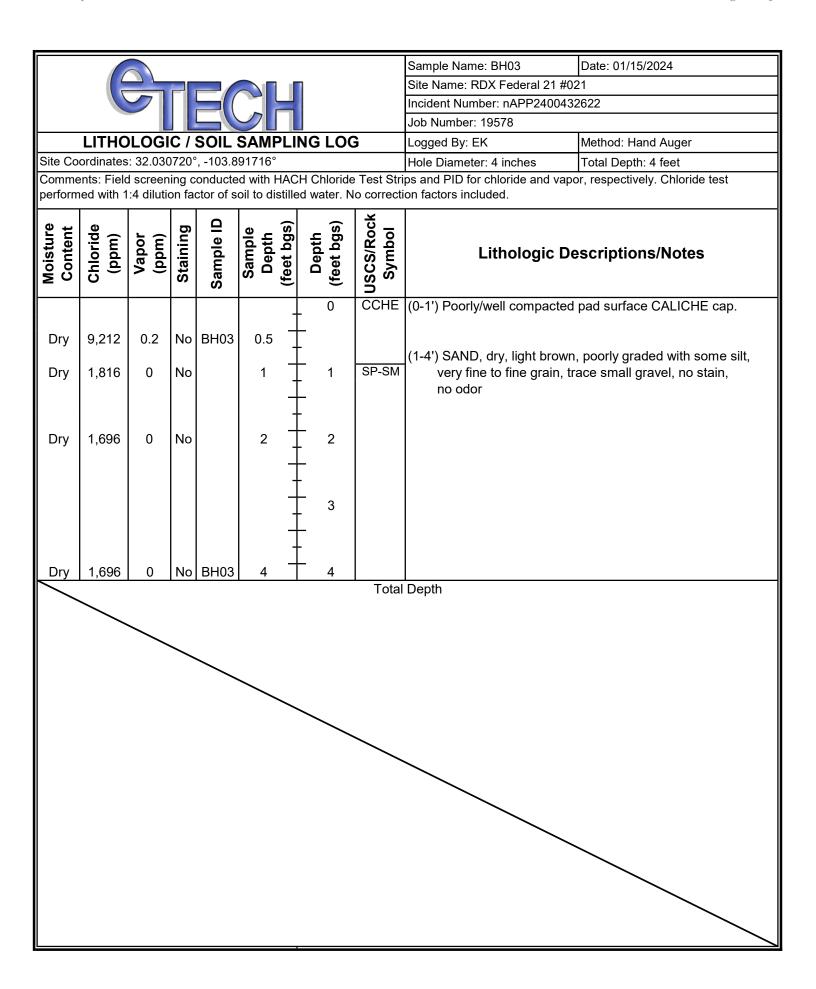
APPENDIX C

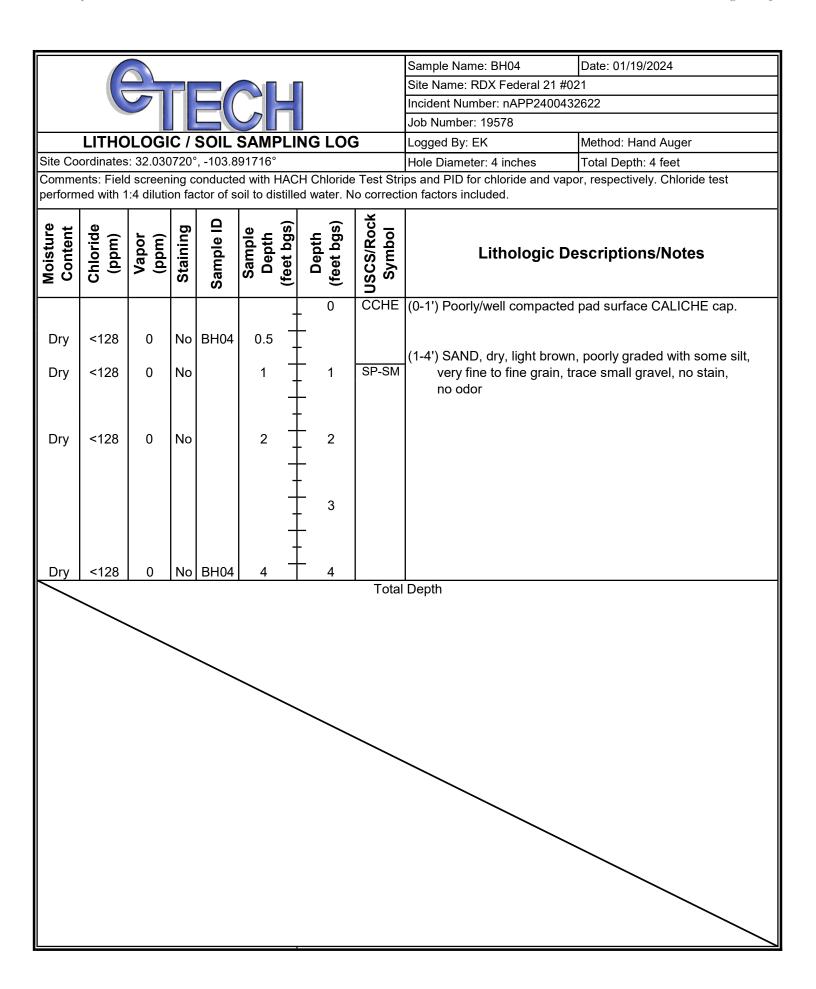
Soil Sampling Logs

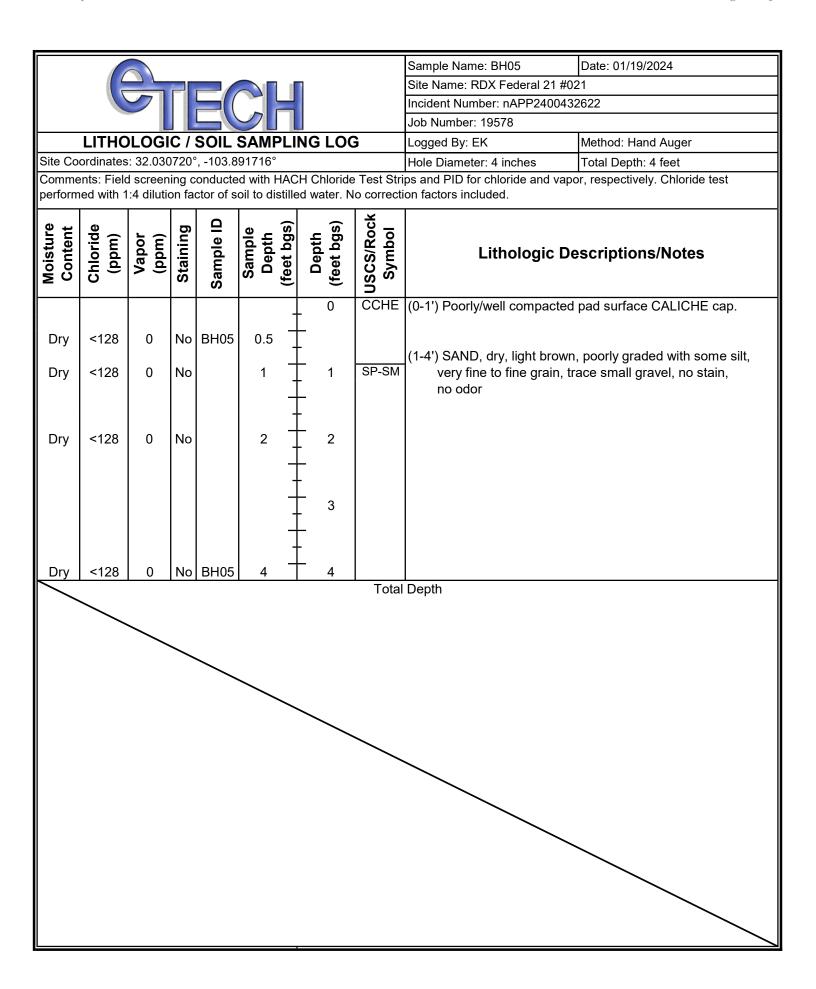


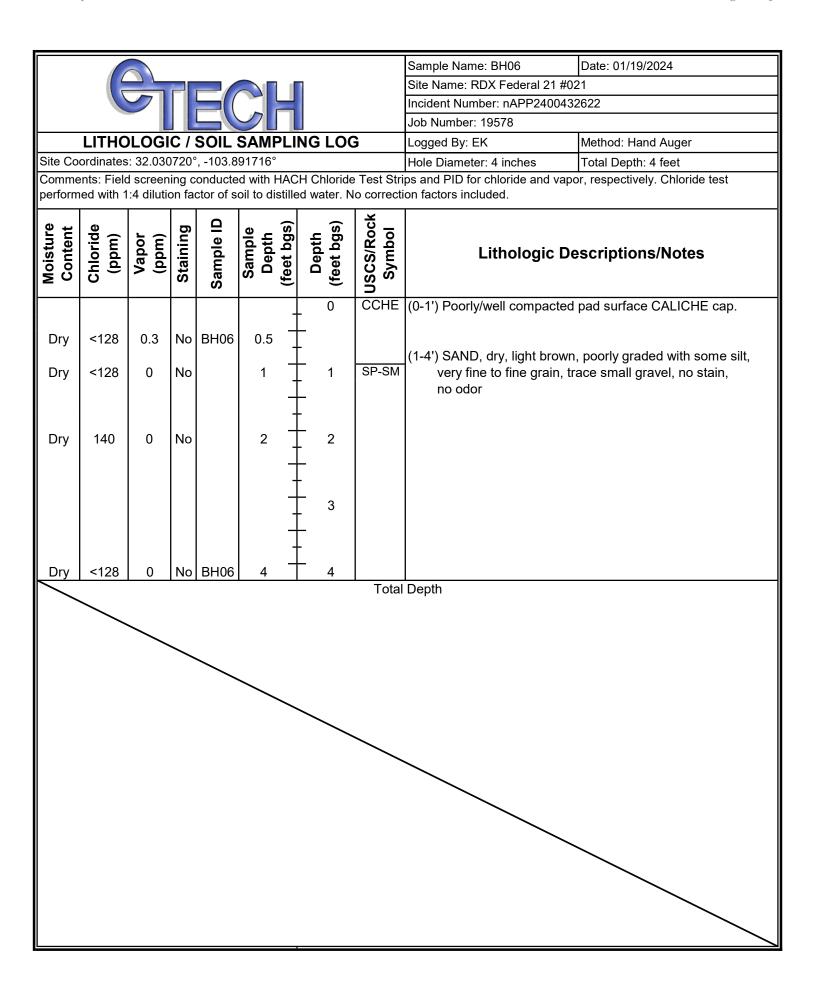


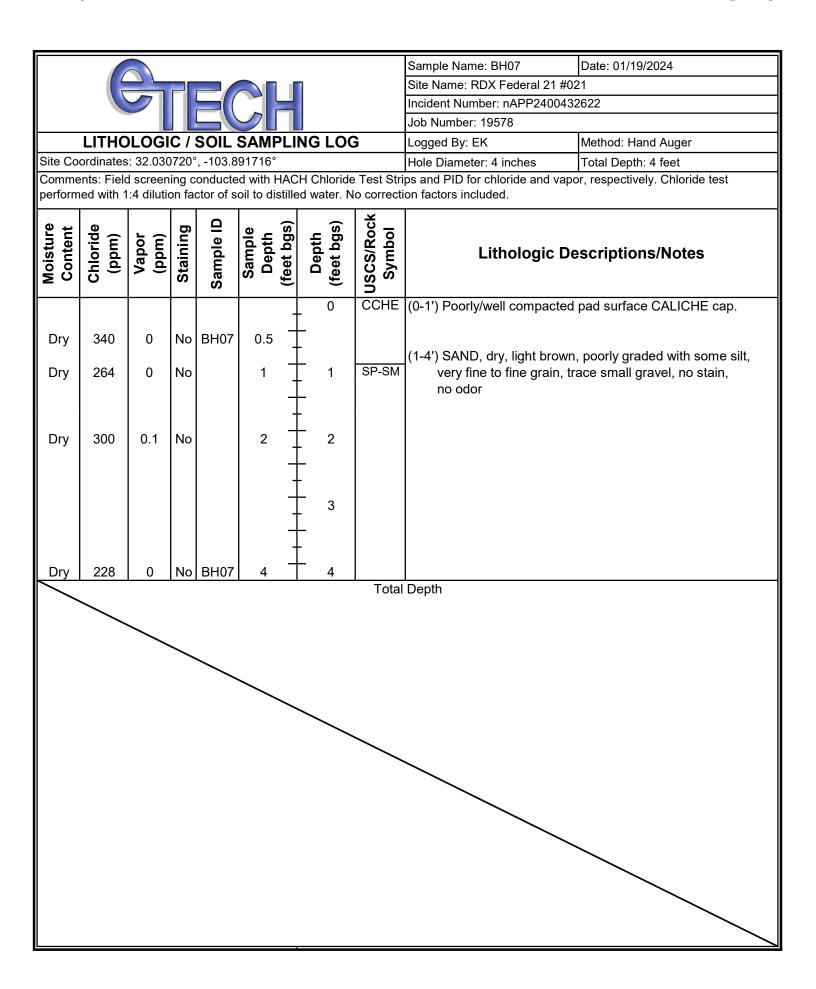


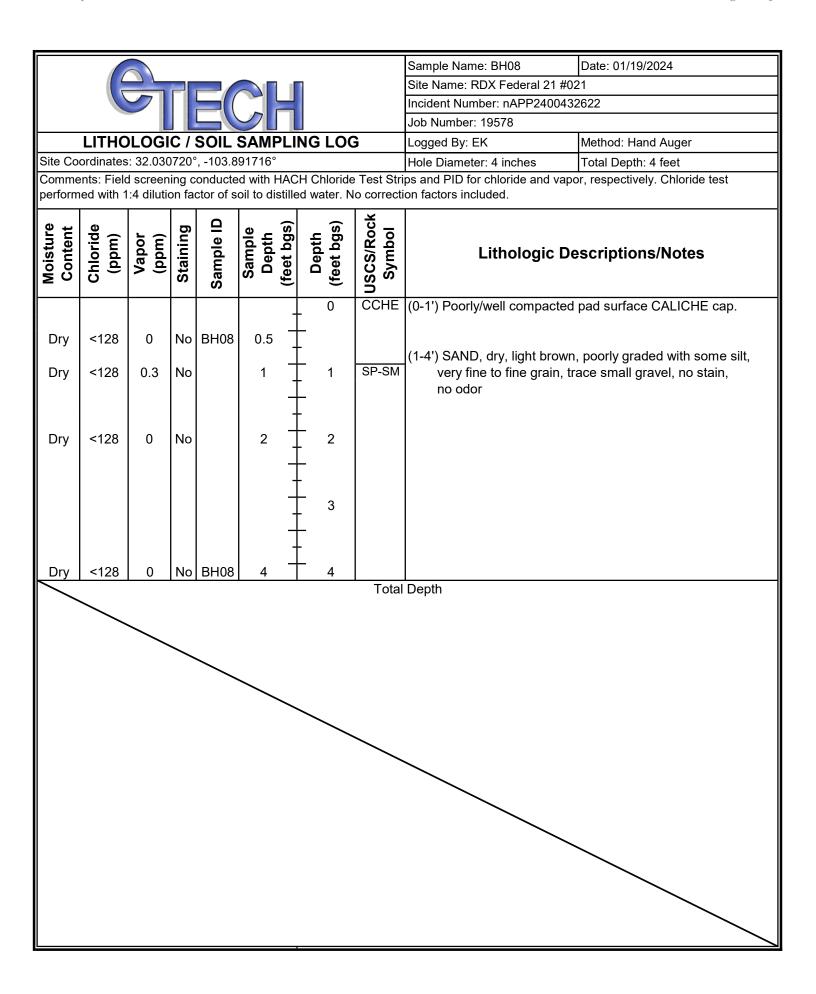


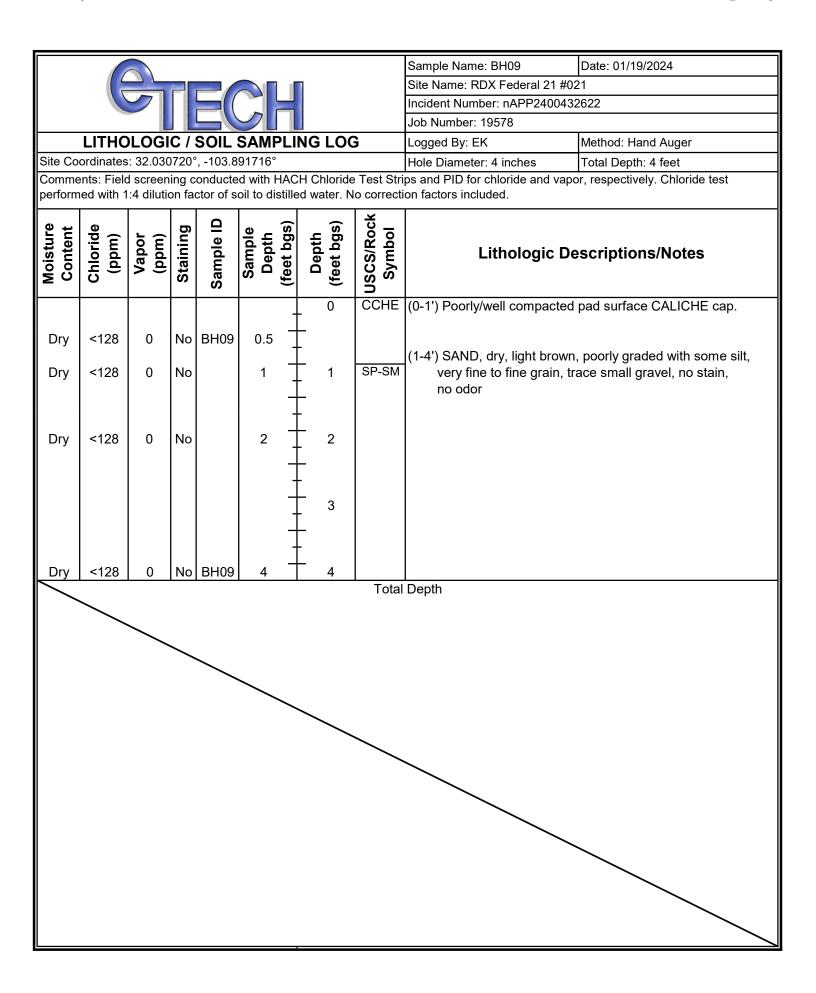


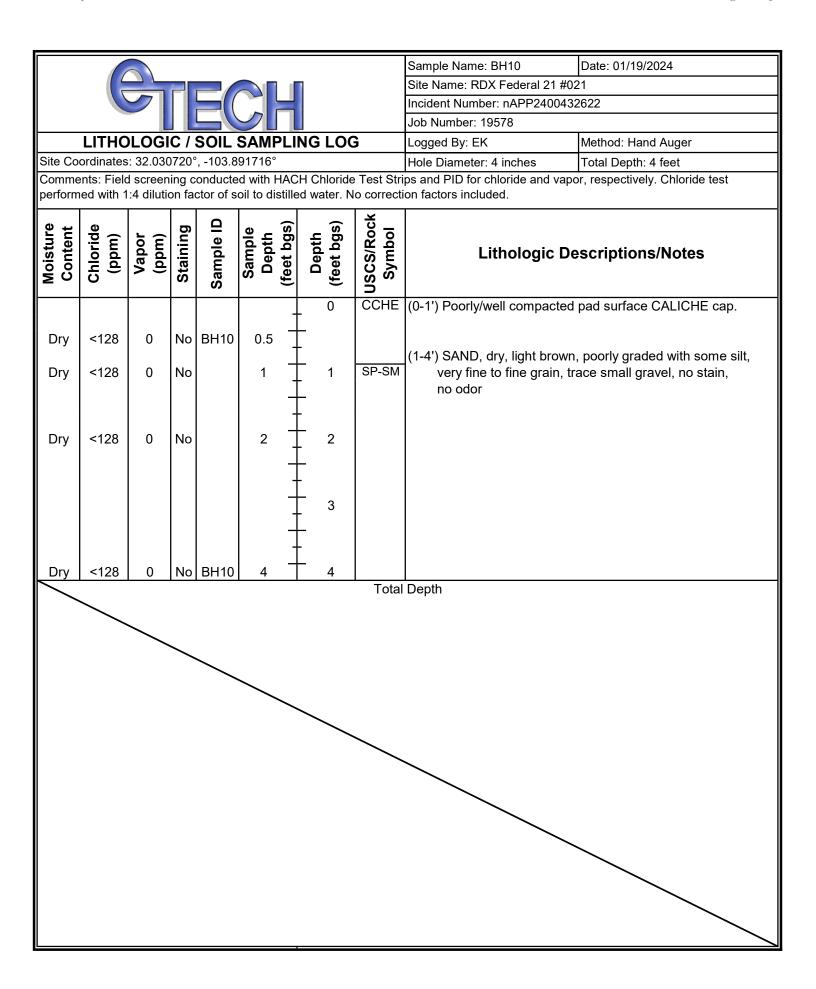


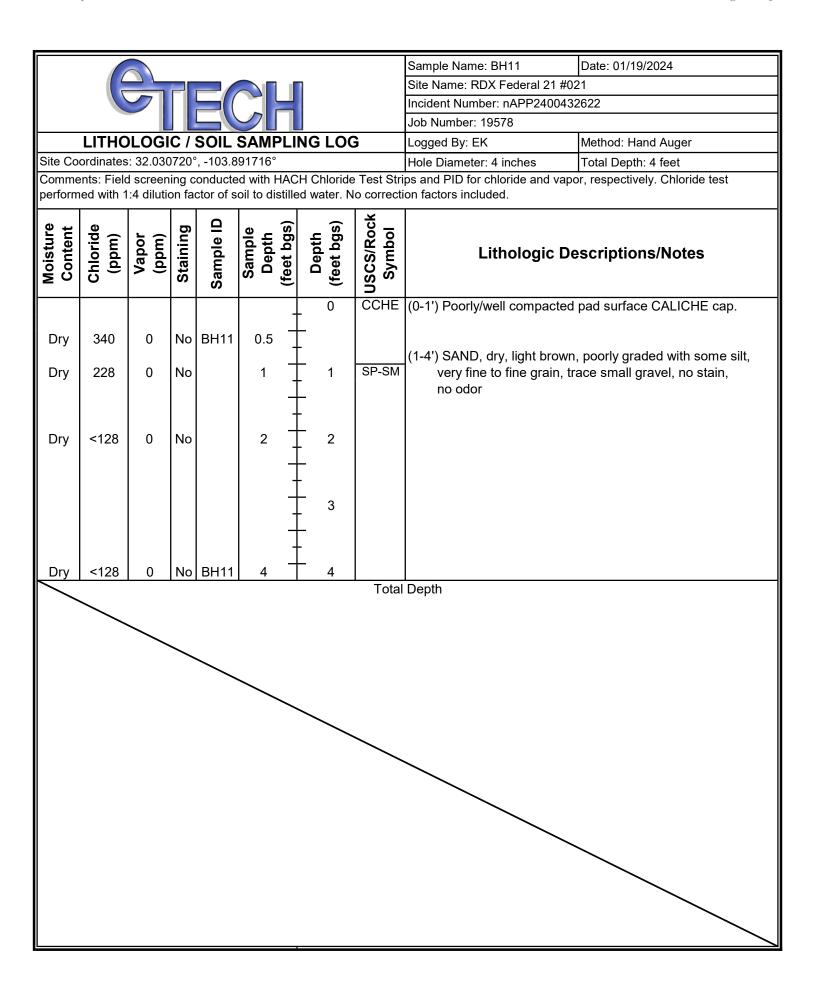


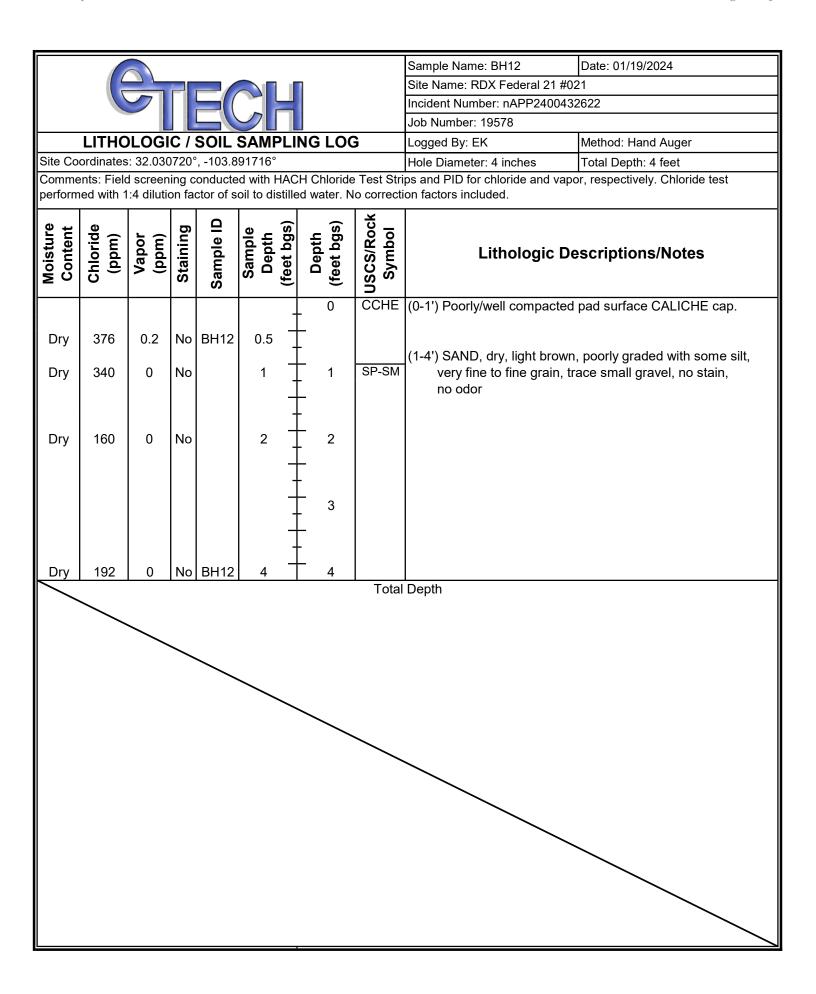


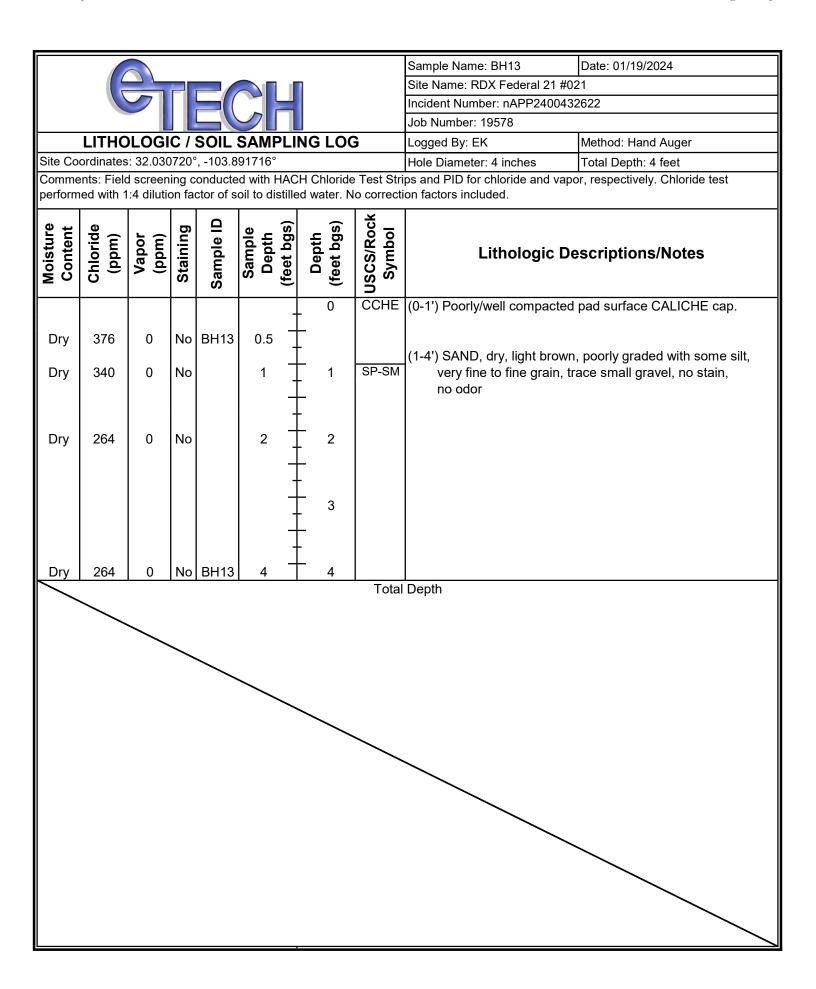


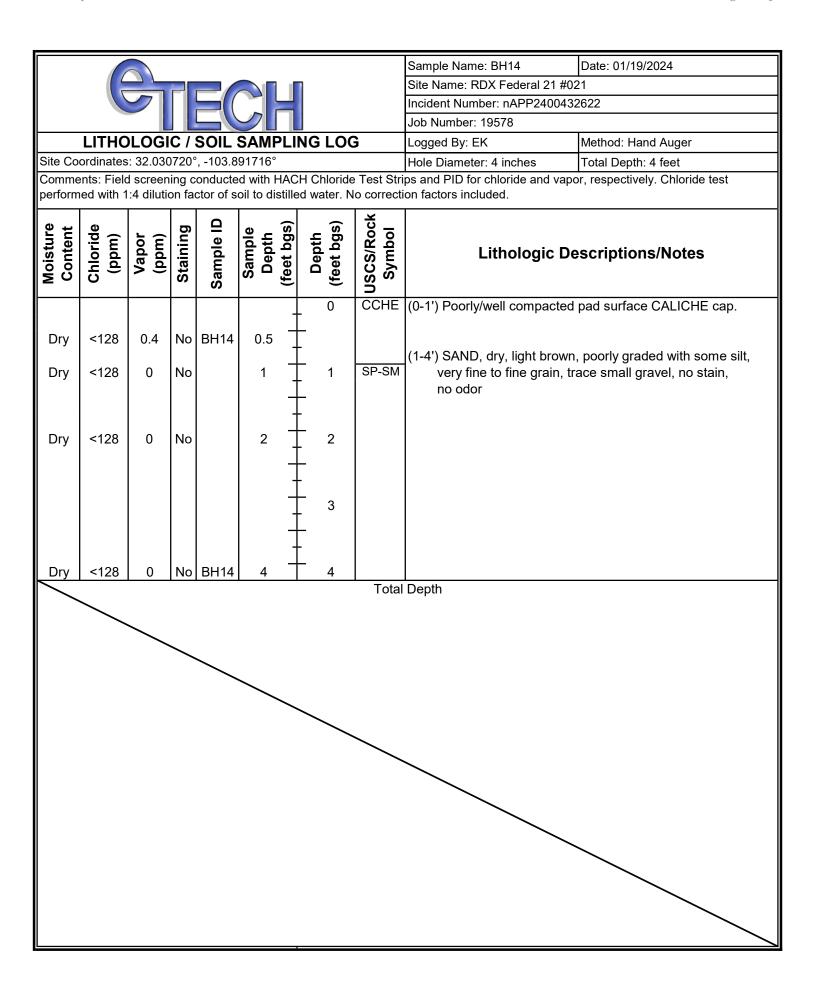












APPENDIX D

Photographic Log





PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX Federal 21 #021 Incident Number nAPP2400432622



Photograph 1 Date: 01/04/2024

Description: Northeastern view of AOC.

Photograph 2 Date: 01/04/2024 Description: Southwestern view of AOC.





Photograph 3 Date: 01/15/2024

Description: Southeastern view during

delineation activities.

Photograph 4 Date: 01/19/2024 Description: Southwestern view during

delineation activities.

Photograph 5

extent.



PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX Federal 21 #021 Incident Number nAPP2400432622



Description: Southwestern view of excavation

Date: 03/21/2024 Pl

Photograph 6 Date: 03/21/2024
Description: Northwestern view of excavation extent.



Photograph 7 Date: 03/21/2024 Description: Southwestern view of excavation extent.



Photograph 8 Date: 04/05/2024 Description: Southeastern view of Site restoration.

APPENDIX E

Tables



Received by OCD: 4/25/2024 9:45:13 AM

Page 35 of 182



Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX Federal 21 #021 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 Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Number nAPP2400432622										
BH01	01/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,400
BH01	01/15/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	238
BH01	01/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	368
BH02	01/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,900
BH02	01/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,460
BH03	01/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	19,100
BH03	01/15/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,310
BH04	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156
BH04	01/19/2024	4	<0.0250	<0.0500	<20.0	241	223	241	464	114
BH05	01/19/2024	0.5	<0.0250	<0.0500	<20.0	1,130	998	1,130	2,130	263
BH05	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.3
BH06	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.5
BH06	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.1
BH07	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.4
BH07	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	97.2
BH08	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.7
BH08	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.7
BH09	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.8
BH09	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.5
BH10	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.0
BH10	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.5
BH11	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
BH11	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.0
BH12	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	287
BH12	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
BH13	01/19/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	279
BH13	01/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.5
BH14	01/19/2024	0.5	<0.0250	0.0369	<20.0	1,270	883	1,270	2,150	237
BH14	01/19/2024	4	<0.0250	<0.0500	<20.0	1,290	895	1,290	2,190	254

Received by OCD: 4/25/2024 9:45:13 AM Page 36 of 182



Table 1 **SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC** RDX Federal 21 #021 **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)			50	NE	NE	NE	1,000	2,500	20,000
	Excavation Soil Samples - Incident Number nAPP2400432622									
FS01	03/21/2024	0.5-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS02	03/21/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	799
FS03	03/21/2024	1	<0.0250	<0.0500	<20.0	42.6	<50.0	42.6	42.6	656
FS04	03/21/2024	0.5	<0.0250	<0.0500	<20.0	48.4	60.4	48.4	109	3,330
FS05	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,720
FS06	03/21/2024	0.5	<0.0250	<0.0500	<20.0	42.7	54.1	42.7	96.8	987
FS07	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
FS08	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,320
FS09	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,650
FS10	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,900
FS11	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,960
FS12	03/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,440
SW01	03/21/2024	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
SW02	03/21/2024	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	238
SW03	03/21/2024	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	234
SW04	03/21/2024	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	216

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 Standard for Soils Impacted by a Release

[†] 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.

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Gilbert Moreno





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 Federal 21 #021

Work Order: E401089

Job Number: 01058-0007

Received: 1/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/23/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 1/23/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX Federal 21 #021

Workorder: E401089

Date Received: 1/18/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/18/2024 6:00:00AM, under the Project Name: RDX Federal 21 #021.

The analytical test results summarized in this report with the Project Name: RDX Federal 21 #021 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 reguarding 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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
BH01 0.5'	5
BH01 2'	6
BH01 4'	7
BH02 0.5'	8
BH02 4'	9
BH03 0.5'	10
BH03 4'	11
QC Summary Data	12
QC - Volatile Organics by EPA 8021B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/23/24 12:47

Client Sample ID	Lab Sample ID Mati	ix Sampled	Received	Container
BH01 0.5'	E401089-01A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH01 2'	E401089-02A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH01 4'	E401089-03A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH02 0.5'	E401089-04A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH02 4'	E401089-05A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH03 0.5'	E401089-06A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.
BH03 4'	E401089-07A Soi	01/15/24	01/18/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH01 0.5' E401089-01

		E401009-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		82.7 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2403043
Chloride	16400	400	20	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH01 2'

E401089-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		91.5 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2403043
Chloride	238	20.0	1	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH01 4'

E401089-03

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		95.0 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2403043
Chloride	368	20.0	1	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH02 0.5'

E401089-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		92.2 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2403043
Chloride	15900	400	20	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH02 4'

E401089-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		99.3 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2403043
Chloride	1460	20.0	1	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH03 0.5'

		E401089-06				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		rst: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		91.9 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2403043
Chloride	19100	200	10	01/18/24	01/18/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

BH03 4'

		~ -
E401	089-	.07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2403039
Benzene	ND	0.0250	1	01/18/24	01/18/24	
Ethylbenzene	ND	0.0250	1	01/18/24	01/18/24	
Toluene	ND	0.0250	1	01/18/24	01/18/24	
o-Xylene	ND	0.0250	1	01/18/24	01/18/24	
p,m-Xylene	ND	0.0500	1	01/18/24	01/18/24	
Total Xylenes	ND	0.0250	1	01/18/24	01/18/24	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2403039
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/24	01/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	01/18/24	01/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2403037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/24	01/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/24	01/18/24	
Surrogate: n-Nonane		90.5 %	50-200	01/18/24	01/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2403043
Chloride	1310	20.0	1	01/18/24	01/18/24	



OC Summary Data

		QC Si	инни	ary Data	ı				
WPX Energy - Carlsbad		Project Name:	R	DX Federal 21	#021				Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					*
Carlsbad NM, 88220		Project Manager:	C	Gilbert Moreno				1/2	23/2024 12:47:50PM
		Volatile O	by EPA 802	1B				Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403039-BLK1)							Prepared: 0	1/18/24 Ana	lyzed: 01/18/24
Benzene	ND	0.0250					-		<u></u>
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	7.62		8.00		95.3	70-130			
LCS (2403039-BS1)							Prepared: 0	1/18/24 Ana	lyzed: 01/18/24
Benzene	4.90	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.1	70-130			
Toluene	4.97	0.0250	5.00		99.5	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			
Matrix Spike (2403039-MS1)				Source: 1	E401086-	04	Prepared: 0	1/18/24 Ana	lyzed: 01/18/24
Benzene	4.91	0.0250	5.00	ND	98.3	54-133			
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			
Matrix Spike Dup (2403039-MSD1)				Source: 1	E401086-	04	Prepared: 0	1/18/24 Ana	lyzed: 01/18/24
Benzene	4.97	0.0250	5.00	ND	99.3	54-133	1.10	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	1.27	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.919	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	1.20	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	1.11	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	1.14	20	
C . (D 11 1 DID			0.00		065	70 120			



Surrogate: 4-Bromochlorobenzene-PID

7.72

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				1/2	23/2024 12:47:50PM	
	Non	halogenated	Organics l	oy EPA 80	15D - GI	RO			1/23/2024 12:47:50PM Analyst: RKS RPD Limit % Notes 18/24 Analyzed: 01/18/24 18/24 Analyzed: 01/18/24	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	Limit	Notes	
Blank (2403039-BLK1)							Prepared: 0	1/18/24 Ana	lyzed: 01/18/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		95.9	70-130				
LCS (2403039-BS2)							Prepared: 0	1/18/24 Ana	lyzed: 01/18/24	
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130				
Matrix Spike (2403039-MS2)				Source:	E401086-0	04	Prepared: 0	1/18/24 Ana	lyzed: 01/18/24	
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130				
Matrix Spike Dup (2403039-MSD2)				Source:	E401086-0	04	Prepared: 0	1/18/24 Ana	lyzed: 01/18/24	
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.5	70-130	4.59	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130				

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	_
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/23/2024 12:47:50PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno	1				1/23/2024 12:47:50PF
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403037-BLK1)							Prepared: 0	1/18/24 Ar	nalyzed: 01/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	50-200			
LCS (2403037-BS1)							Prepared: 0	1/18/24 Ar	nalyzed: 01/18/24
Diesel Range Organics (C10-C28)	222	25.0	250		88.7	38-132			
urrogate: n-Nonane	58.3		50.0		117	50-200			
Matrix Spike (2403037-MS1)				Source:	E401086-	03	Prepared: 0	1/18/24 Ar	nalyzed: 01/18/24
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			
Matrix Spike Dup (2403037-MSD1)				Source:	E401086-	03	Prepared: 0	1/18/24 Ar	nalyzed: 01/18/24
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	38-132	1.24	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		DX Federal 2	1 #021				Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					1/23/2024 12:47:50PM
		Anions	by EPA	300.0/9056	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403043-BLK1)							Prepared: 0	1/18/24 A	nalyzed: 01/18/24
Chloride	ND	20.0							
LCS (2403043-BS1)							Prepared: 0	1/18/24 A	nalyzed: 01/18/24
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2403043-MS1)				Source:	E401086-	02	Prepared: 0	1/18/24 A	nalyzed: 01/18/24
Chloride	276	20.0	250	25.6	100	80-120			
Matrix Spike Dup (2403043-MSD1)				Source:	E401086-	02	Prepared: 0	1/18/24 A	nalyzed: 01/18/24

250

20.0

101

80-120

0.494

25.6

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.



20

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
1	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
1	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/23/24 12:47

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: W	/PX Energ	y Permia	n, LLC.		Bill To				La	ab U	se Or	nly		8	********		TAT		EPA P	rogram
Project: RDX FEDERAL 21 #021			021		Attention: Jim Raley		Lab	Lab WO#			Job						Standard	CWA	SDWA	
Project Manager: Gilbert Moreno Address: 5315 Buena Vista Dr.				E	101	68	591	010	58	-000-	+				5 day TAT					
'Address:	13000 W	County	Rd 100		City, State, Zip: Carlsbad, NM, 882	20				9	Analy	sis a	nd Meth	od						RCRA
City, Stat	e, Zip_Od	dessa,TX,	79765		Phone: 575-885-7502					Г				T	T	T	T			
-	32-541-7				Email: jim.raley@dvn.com			by							1				State	
Email: D	evon-tear	n@etech	env.com		WBS/WO: 21276304			S S										NMI CO	UT AZ	TX
3					Incident ID: nAPP2400432622		-	0/0				0		15	5			11111	0 / /	
	by: Edyt	e Konan			Incident ID. HAT F 2400432022		Œ.	RO/DR	BTEX by 8021	VOC by 8260	6010	Chloride 300.0			N N	- 1	×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX	VOC by	Metals 6010	Chloric			PGDOC		GDOC		Remarks	
9:00	01.15.24	S	1		BH01	1	0.5)	(
9:10	01.15.24	S	1		BH01	2	2')	(
9:20	01.15.24	S	1		BH01	3	4'							,	(
9:40	01.15.24	S	1		BH02	4	0.5)	(
10:00	01.15.24	S	1		BH02	5	4'							,	(
10:20	01.15.24	S	1		ВН03	6	0.5							,	(
10:40	01.15.24	S	1		BH03	7	4'							,	(
					VIII 01/16/2024															
															1					
Addition	al Instruc	tions:																		
200				ticity of this sample.	I am aware that tampering with or intentionally misla legal action. Sampled by: GM	belling the sar	nple lo	cation,						-010010000				ived on ice the da		36-50-000-00-00-00-00-00-00-00-00-00-00-00
Relinquish	ed by: (Sign	ature)	Date	16/24 Time	Received by: (Signature)	Date 1-16	-24	Time	50	<u> </u>	Rece	eived	d on ice:	(Lab		Only			
Relinquish		ature) L	Date /-	The same of the sa	Received by: (Signature)	Date /-/7-		Time /	64t	5	T1			TZ				T3		
Relinguish	ed by: (Sign	ature) USSo	Date	12111 1)	Received by: (Signature)	Date 1-18-		Time	0.:C	\circ	AVG	Ten	np °C	4						
			Sludge, A -	Aqueous, O - Other	- maying	Containe	-	_	-					nber	glass	s. v -	VOA			
					I unless other arrangements are made. Hazardo													report for the	analysis of	the above
					horatory with this COC. The liability of the labora															





Printed: 1/18/2024 9:29:36AM

Envirotech Analytical Laboratory

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:	01/18/24 0	06:00	Work Order ID:	E401089
Phone: (539) 573-4018	Date Logged In:	01/17/24 1	4:33	Logged In By:	Alexa Michaels
Email: devon-team@ensolum.com	Due Date:		17:00 (3 day TAT)	<i>55 7</i>	
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampl	ing site location match the COC	Yes			
3. Were samples dropped off by client or	carrier?	Yes	Carrier: Courier		
4. Was the COC complete, i.e., signatures	, dates/times, requested analyses?	Yes			
5. Were all samples received within holdi Note: Analysis, such as pH which i.e, 15 minute hold time, are not in	should be conducted in the field,	Yes		<u>Comment</u>	s/Resolution
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 con	dition?	Yes			
9. Was the sample(s) received intact, i.e.,		No			
10. Were custody/security seals present?					
11. If yes, were custody/security seals into	2012	No			
		NA			
12. Was the sample received on ice? If yes, the Note: Thermal preservation is not minutes of sampling	recorded temp is 4°C, i.e., 6°±2°C required, if samples are received w/i 15	No			
13. If no visible ice, record the temperature	re. Actual sample temperature: $\underline{4^{\circ}}$	<u>C</u>			
Sample Container					
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA V	/ials?	NA			
16. Is the head space less than 6-8 mm (pe	ea sized or less)?	NA			
17. Was a trip blank (TB) included for VC	OC analyses?	NA			
18. Are non-VOC samples collected in th	e correct containers?	Yes			
19. Is the appropriate volume/weight or num	ber of sample containers collected?	Yes			
Field Label					
20. Were field sample labels filled out wit	th the minimum information:				
Sample ID?		Yes			
Date/Time Collected? Collectors name?		Yes			
		Yes			
<u>Sample Preservation</u> 21. Does the COC or field labels indicate	the camples were preserved?	No			
22. Are sample(s) correctly preserved?	the samples were preserved:	NA			
24. Is lab filteration required and/or reque	ested for dissolved metals?	No			
	sted for dissorved include.	140			
Multiphase Sample Matrix	-l:-				
26. Does the sample have more than one p	•	No			
27. If yes, does the COC specify which pl	iase(s) is to be analyzed?	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a s	•	No			
29. Was a subcontract laboratory specified	d by the client and if so who?	NA	Subcontract Lab: NA		
Client Instruction					

Page 18 of 18

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

Report to:
Gilbert Moreno







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 Federal 21 #021

Work Order: E401127

Job Number: 01058-0007

Received: 1/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 1/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX Federal 21 #021

Workorder: E401127

Date Received: 1/23/2024 6:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2024 6:00:00AM, under the Project Name: RDX Federal 21 #021.

The analytical test results summarized in this report with the Project Name: RDX Federal 21 #021 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 reguarding 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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
BH04 0.5'	6
BH04 4'	7
BH05 0.5'	8
BH05 4'	9
BH06 0.5'	10
BH06 4'	11
BH07 0.5'	12
BH07 4'	13
BH08 0.5'	14
BH08 4'	15
BH09 0.5'	16
BH09 4'	17
BH10 0.5'	18
BH10 4'	19
BH11 0.5'	20
BH11 4'	21
BH12 - 0.5'	22
BH12 4'	23
BH13 0.5'	24
BH13 4'	25

Table of Contents (continued)

	BH14 0.5'	26
	BH14 4'	27
Q	C Summary Data	28
	QC - Volatile Organics by EPA 8021B	28
	QC - Nonhalogenated Organics by EPA 8015D - GRO	30
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	32
	QC - Anions by EPA 300.0/9056A	34
D	efinitions and Notes	36
CI	nain of Custody etc.	37

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Donoutoda
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 0.5'	E401127-01A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH04 4'	E401127-02A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH05 0.5'	E401127-03A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH05 4'	E401127-04A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH06 0.5'	E401127-05A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH06 4'	E401127-06A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH07 0.5'	E401127-07A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH07 4'	E401127-08A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH08 0.5'	E401127-09A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH08 4'	E401127-10A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH09 0.5'	E401127-11A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH09 4'	E401127-12A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH10 0.5'	E401127-13A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH10 4'	E401127-14A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH11 0.5'	E401127-15A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH11 4'	E401127-16A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH12 - 0.5'	E401127-17A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH12 4'	E401127-18A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH13 0.5'	E401127-19A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH13 4'	E401127-20A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH14 0.5'	E401127-21A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.
BH14 4'	E401127-22A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH04 0.5' E401127-01

		E401127-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	Date: 12 10 1020
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		84.6 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2404022
Chloride	156	40.0	2	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH04 4' E401127-02

		E401127-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	241	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	223	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		93.8 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
Chloride	114	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH05 0.5' E401127-03

	E-101127 05				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0500	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
	97.7 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	20.0	1	01/23/24	01/24/24	
	92.9 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
1130	50.0	2	01/23/24	01/24/24	
998	100	2	01/23/24	01/24/24	
	90.0 %	50-200	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
263	40.0	2	01/23/24	01/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND 1130 998	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 97.7 % mg/kg mg/kg mg/kg ND 20.0 92.9 % mg/kg mg/kg mg/kg 1130 50.0 998 100 90.0 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 97.7 % 70-130 mg/kg mg/kg Ana ND 20.0 1 92.9 % 70-130 mg/kg mg/kg mg/kg Ana 1130 50.0 2 998 100 2 998 100 2 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: EG ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM 1130 50.0 2 01/23/24 998 100 2 01/23/24 998 100 2 01/23/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM 1130 50.0 2 01/23/24 01/24/24 998 100 2 01/23/24 01/24/24 mg/kg mg/kg Analyst: DT 01/23/24 01/24/24 </td



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH05 4'

E401127-04							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404030	
Benzene	ND	0.0250	1	01/23/24	01/24/24		
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24		
Toluene	ND	0.0250	1	01/23/24	01/24/24		
o-Xylene	ND	0.0250	1	01/23/24	01/24/24		
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24		
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24		
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	01/23/24	01/24/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	01/23/24	01/24/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2404032	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24		
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24		
Surrogate: n-Nonane		93.1 %	50-200	01/23/24	01/24/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2404022	
Chloride	78.3	20.0	1	01/23/24	01/24/24		



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH06 0.5' E401127-05

		E401127-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		91.1 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2404022
Chloride	76.5	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH06 4'

E401127-06							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: EG		Batch: 2404030	
Benzene	ND	0.0250	1	01/23/24	01/24/24		
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24		
Toluene	ND	0.0250	1	01/23/24	01/24/24		
p-Xylene	ND	0.0250	1	01/23/24	01/24/24		
o,m-Xylene	ND	0.0500	1	01/23/24	01/24/24		
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24		
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	01/23/24	01/24/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: EG		Batch: 2404030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	01/23/24	01/24/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24		
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24		
Surrogate: n-Nonane		91.9 %	50-200	01/23/24	01/24/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2404022	
Chloride	74.1	20.0	1	01/23/24	01/24/24		



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH07 0.5' E401127-07

		E401127-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		98.6 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
Chloride	95.4	20.0	1	01/23/24	01/24/24	·



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH07 4'

E401127-08								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030		
Benzene	ND	0.0250	1	01/23/24	01/24/24			
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24			
Toluene	ND	0.0250	1	01/23/24	01/24/24			
o-Xylene	ND	0.0250	1	01/23/24	01/24/24			
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24			
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24			
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	01/23/24	01/24/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030		
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	01/23/24	01/24/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032		
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24			
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24			
Surrogate: n-Nonane		98.5 %	50-200	01/23/24	01/24/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022		
Chloride	97.2	20.0	1	01/23/24	01/24/24			



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH08 0.5' E401127-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	kg Analyst: EG			Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		99.1 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2404022
Chloride	42.7	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH08 4' E401127-10

		E401127-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	/kg Analyst: EG			Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
o,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: EG			Batch: 2404030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		93.0 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2404022
Chloride	38.7	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH09 0.5' E401127-11

		E401127-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		96.4 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
Chloride	43.8	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH09 4'

		E401127-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
p-Xylene	ND	0.0250	1	01/23/24	01/24/24	
o,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/24/24	
Surrogate: n-Nonane		81.0 %	50-200	01/23/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
Chloride	37.5	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH10 0.5' E401127-13

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	Analyst: EG		Batch: 2404030
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0500	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
	96.8 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Anal	yst: EG		Batch: 2404030
ND	20.0	1	01/23/24	01/24/24	
	93.6 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2404032
ND	25.0	1	01/23/24	01/25/24	
ND	50.0	1	01/23/24	01/25/24	
	88.4 %	50-200	01/23/24	01/25/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2404022
37.0	20.0	1	01/23/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 93.6 % mg/kg ND 25.0 ND 50.0 88.4 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 g3.6 % 70-130 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 88.4 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 0 01/23/24 Mg/kg Mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH10 4' E401127-14

		E401127-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/25/24	
Surrogate: n-Nonane		91.3 %	50-200	01/23/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2404022
Chloride	37.5	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH11 0.5' E401127-15

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0500	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
	96.5 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	20.0	1	01/23/24	01/24/24	
	93.6 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
ND	25.0	1	01/23/24	01/25/24	
ND	50.0	1	01/23/24	01/25/24	
	91.2 %	50-200	01/23/24	01/25/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
282	20.0	1	01/23/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 93.6 % mg/kg ND 25.0 ND 50.0 91.2 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 96.5 % 70-130 70-130 mg/kg mg/kg Ana ND 20.0 1 93.6 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 91.2 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 0 01/23/24 Mg/kg Mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH11 4' E401127-16

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0500	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
	95.6 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404030
ND	20.0	1	01/23/24	01/24/24	
	94.0 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404032
ND	25.0	1	01/23/24	01/25/24	
ND	50.0	1	01/23/24	01/25/24	
	91.2 %	50-200	01/23/24	01/25/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404022
42.0	20.0	1	01/23/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 94.0 % mg/kg ND 25.0 ND 50.0 91.2 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 95.6% 70-130 70-130 mg/kg mg/kg Ana ND 20.0 1 94.0% 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 91.2% 50-200 mg/kg Mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 1 01/23/24 ND 50.0 0 01/23/24 Mg/kg Mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 ND 50.0 <



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH12 - 0.5' E401127-17

		E401127-17				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
,	ma/lsa	ma/ka	Δn	alyst: EG	<u> </u>	Batch: 2404030
Volatile Organics by EPA 8021B	mg/kg	mg/kg			0.1.10.1.10.1	Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/25/24	
Surrogate: n-Nonane		93.7 %	50-200	01/23/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2404022
Chloride	287	20.0	1	01/23/24	01/24/24	·



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH12 4' E401127-18

		E401127-10				
	Result	Reporting Limit	Dilutior	D 1		N
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/25/24	
Surrogate: n-Nonane		96.3 %	50-200	01/23/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2404022
Chloride	102	20.0	1	01/23/24	01/24/24	·



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH13 0.5' E401127-19

		E401127-19				
Austra	Dk	Reporting	Dilect	D	A	Natar
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2404030
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2404030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2404032
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/24	01/25/24	
Surrogate: n-Nonane		94.0 %	50-200	01/23/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2404022
Chloride	279	20.0	1	01/23/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH13 4' E401127-20

Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2404030
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
ND	0.0500	1	01/23/24	01/24/24	
ND	0.0250	1	01/23/24	01/24/24	
	95.3 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2404030
ND	20.0	1	01/23/24	01/24/24	
	95.6 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2404032
ND	25.0	1	01/23/24	01/25/24	
ND	50.0	1	01/23/24	01/25/24	
	87.0 %	50-200	01/23/24	01/25/24	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2404022
92.5	20.0	1	01/23/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 25.0 MD 25.0 ND 50.0 87.0 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 95.6 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 87.0 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0250 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0500 1 01/23/24 ND 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.6 % 70-130 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 50.0 1 01/23/24 87.0 % 50-200 01/23/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.6 % 70-130 01/23/24 01/24/24 ND 25.0 1 01/23/24 01/25/24 ND 50.0 1 01/23/24 01/25/24 87.0 % 50-200 </td



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH14 0.5' E401127-21

		E401127-21				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404026
Benzene	ND	0.0250	1	01/23/24	01/23/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/23/24	
Toluene	0.0369	0.0250	1	01/23/24	01/23/24	
o-Xylene	ND	0.0250	1	01/23/24	01/23/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/23/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/23/24	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: EG		Batch: 2404026
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2404034
Diesel Range Organics (C10-C28)	1270	50.0	2	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	883	100	2	01/24/24	01/25/24	
Surrogate: n-Nonane		85.4 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2404021
Chloride	237	40.0	2	01/23/24	01/24/24	
morae	231	40.0	~	01/23/21	01/21/21	



WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

BH14 4' E401127-22

		E401127-22				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2404026
Benzene	ND	0.0250	1	01/23/24	01/23/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/23/24	
Toluene	ND	0.0250	1	01/23/24	01/23/24	
o-Xylene	ND	0.0250	1	01/23/24	01/23/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/23/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/23/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2404026
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2404034
Diesel Range Organics (C10-C28)	1290	50.0	2	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	895	100	2	01/24/24	01/25/24	
Surrogate: n-Nonane		86.6 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2404021
Chloride	254	40.0	2	01/23/24	01/24/24	



QC Summary Data

		QC 50	u 11111114	ii y Data	L				
WPX Energy - Carlsbad Project Name 5315 Buena Vista Dr Project Numb				DX Federal 21 1058-0007	#021				Reported:
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno				1/29	9/2024 9:17:15AM
		Volatile O	rganics b	oy EPA 8021	1B				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404026-BLK1)							Prepared: 0	1/23/24 Analy	yzed: 01/23/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			
LCS (2404026-BS1)							Prepared: 0	1/23/24 Analy	yzed: 01/23/24
Benzene	4.92	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.7	70-130			
Toluene	4.90	0.0250	5.00		97.9	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike (2404026-MS1)				Source: I	E 401128 -	01	Prepared: 0	1/23/24 Anal	yzed: 01/23/24
Benzene	5.20	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133			
Toluene	5.19	0.0250	5.00	ND	104	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			
Matrix Spike Dup (2404026-MSD1)				Source: I	E 401128 -	01	Prepared: 0	1/23/24 Anal	yzed: 01/23/24
Benzene	5.30	0.0250	5.00	ND	106	54-133	1.94	20	
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133	2.25	20	
Toluene	5.30	0.0250	5.00	ND	106	61-130	1.95	20	
o-Xylene	5.24	0.0250	5.00	ND	105	63-131	2.16	20	
5-Aylene									
p,m-Xylene	10.7 15.9	0.0500 0.0250	10.0 15.0	ND ND	107 106	63-131 63-131	2.28 2.24	20 20	

8.00

7.78

97.3

70-130



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

RDX Federal 21 #021 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 1/29/2024 9:17:15AM **Volatile Organics by EPA 8021B** Analyst: EG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2404030-BLK1) Prepared: 01/23/24 Analyzed: 01/24/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 95.2 70-130 LCS (2404030-BS1) Prepared: 01/23/24 Analyzed: 01/24/24 4.85 97.1 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.78 0.0250 5.00 95.6 70-130 4.84 0.0250 5.00 96.7 70-130 Toluene o-Xylene 4.80 0.0250 5.00 96.0 70-130 9.74 10.0 97.4 70-130 0.0500 p.m-Xvlene 96.9 14.5 15.0 70-130 Total Xylenes 0.0250 8.00 96.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.70 Matrix Spike (2404030-MS1) Source: E401127-12 Prepared: 01/23/24 Analyzed: 01/24/24 4.90 0.0250 5.00 ND 97.9 54-133 Benzene ND 61-133 Ethylbenzene 4.83 0.0250 5.00 96.6 Toluene 4.89 0.0250 5.00 ND 97.7 61-130 ND 97.2 63-131 4.86 5.00 0.0250 o-Xylene p,m-Xylene 9.84 0.0500 10.0 ND 98.4 63-131 14.7 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.79 8.00 Matrix Spike Dup (2404030-MSD1) Source: E401127-12 Prepared: 01/23/24 Analyzed: 01/24/24 5.27 0.0250 5.00 ND 105 54-133 7.36 ND 61-133 7.33 5.20 0.0250 5.00 104 20 Ethylbenzene Toluene 5 25 0.0250 5.00 ND 105 61-130 7.19 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

104

106

105

97.0

63-131

63-131

63-131

70-130

7.13

7.18

7.16

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.22

10.6

15.8

7.76

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

Carlsbad NM, 88220		Project Manage		lbert Moreno					1/29/2024 9:17:15AM		
Nonhalogenated Organics by EPA 8015D - GRO Analyst: EG											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2404026-BLK1)							Prepared: 0	1/23/24 Aı	nalyzed: 01/23/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.2	70-130					
LCS (2404026-BS2)							Prepared: 0	1/23/24 Aı	nalyzed: 01/23/24		
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130					
Matrix Spike (2404026-MS2)				Source:	E401128-0)1	Prepared: 0	1/23/24 Aı	nalyzed: 01/23/24		
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130					
Matrix Spike Dup (2404026-MSD2)				Source:	E401128-0)1	Prepared: 0	1/23/24 Aı	nalyzed: 01/23/24		
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.916	20			

8.00

7.76

97.0

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

Carlsbad NM, 88220		Project Manage		lbert Moreno					1/29/2024 9:17:15AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2404030-BLK1)							Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			
LCS (2404030-BS2)							Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		94.9	70-130			
Matrix Spike (2404030-MS2)				Source:	E401127-	12	Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			
Matrix Spike Dup (2404030-MSD2)				Source:	E401127-	12	Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	3.60	20	

8.00

7.55

94.3

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name: RDX Federal 21 #021		Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

Carlsbad NM, 88220		Project Manager	r: Gı	lbert Moreno				1/	29/2024 9:17:15A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404032-BLK1)							Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	43.4		50.0		86.7	50-200			
LCS (2404032-BS1)							Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
urrogate: n-Nonane	45.2		50.0		90.4	50-200			
Matrix Spike (2404032-MS1)				Source:	E401127-	14	Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132			
urrogate: n-Nonane	46.2		50.0		92.5	50-200			
Matrix Spike Dup (2404032-MSD1)				Source:	E401127-	14	Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.5	38-132	3.59	20	
Gurrogate: n-Nonane	41.5		50.0		83.1	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name: RDX Federal 21 #021		Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1			1/	29/2024 9:17:15AN
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404034-BLK1)							Prepared: 0	1/24/24 Ana	llyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.0		50.0		86.1	50-200			
LCS (2404034-BS1)							Prepared: 0	1/24/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	197	25.0	250		78.8	38-132			
Surrogate: n-Nonane	42.5		50.0		85.0	50-200			
Matrix Spike (2404034-MS1)				Source:	E401130-0	01	Prepared: 0	1/24/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	490	25.0	250	357	53.3	38-132			
Surrogate: n-Nonane	39.2		50.0		78.4	50-200			
Matrix Spike Dup (2404034-MSD1)				Source:	E401130-0	01	Prepared: 0	1/24/24 Ana	lyzed: 01/24/24
Diesel Range Organics (C10-C28)	565	25.0	250	357	83.2	38-132	14.2	20	
Surrogate: n-Nonane	42.7		50.0		85.5	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	RDX Federal 21 #021 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:17:15AM

Carisbad Nivi, 88220		Project Manage	r: Gi	ibert Moreno				1/2	.9/2024 9.17.13AN
		Anions	s by EPA 3	00.0/9056A	4				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 (2404021-BLK1)							Prepared: 0	1/23/24 Anal	yzed: 01/23/24
Chloride	ND	20.0							
LCS (2404021-BS1)							Prepared: 0	1/23/24 Anal	yzed: 01/23/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2404021-MS1)				Source:	E401126-	03	Prepared: 0	1/23/24 Anal	yzed: 01/23/24
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2404021-MSD1)				Source:	E401126-	03	Prepared: 0	1/23/24 Anal	vzed: 01/23/24

250

103

80-120

0.868

20.0

Matrix Spike Dup (2404022-MSD1)

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: RDX Federal 21 #021 Project Number: 01058-0007 Project Manager: Gilbert Moreno							1	Reported: /29/2024 9:17:15AM
		Anions	by EPA	300.0/9056 <i>E</i>	4				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 (2404022-BLK1)							Prepared: 0	1/23/24 An	alyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404022-BS1)							Prepared: 0	1/23/24 An	alyzed: 01/24/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2404022-MS1)				Source:	E401127-	01	Prepared: 0	1/23/24 An	alyzed: 01/24/24
Chloride	398	40.0	250	156	96.6	80-120			

250

40.0

Source: E401127-01

88.3

80-120

5.34

156

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.



Prepared: 01/23/24 Analyzed: 01/24/24

20

Definitions and Notes

	WPX Energy - Carlsbad	Project Name:	RDX Federal 21 #021	
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:17

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.



Phone: 832-541-7719

Client: WPX Energy Permian, LLC.

Project Manager: Gilbert Moreno

Address: 13000 W County Rd 100

City, State, Zip_Odessa, TX, 79765

Email: Devon-team@etechenv.com

Project: RDX FEDERAL 21 #021

Lab WO# E 4011

RO/ORO by

Lab Use Only

Job Number

610580007

Analysis and Method

TAT

Standard

5 day TAT

1D 2D 3D

Bill To

Attention: Jim Ralev

Phone: 575-885-7502

WBS/WO: 21276304

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.

Email: jim.raley@dvn.com

Incident ID: nAPP2400432622

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

EPA Program

SDWA

RCRA

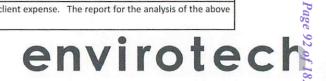
CWA

State NM CO UT AZ TX

0
40
of
37
ď

Collecte	d by: Edyt	e Konan			F1 (2)			7	C)	0/0	80.	826	5010	30		1		F		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ab nber	Depth(ft.)	TPH GRO/D 8015	втех by 80.	VOC by 826	Metals 6010	Chloride 30		верос		GDOC			Remark	s
9:10	01.19.24	S	1	BH04				1	0.5'							х						
9:20	01.19.24	S	1	вно4			1	2	4'							х						
9:30	01.19.24	S	1		BH05			3	0.5'							х						
9:40	01.19.24	S	1			BH05	L	4	4'							х						
9:50	01.19.24	S	1	BH06			-	5	0.5'							х						
10:00	01.19.24	S	1	BH06			1	Q	4'							х						
10:10	01.19.24	S	1			BH07	-	7	0.5'							х						
10:20	01.19.24	S	1		BH07			6	4'							х						
10:30	01.19.24	S	1			BH08	0)	0.5'							х						
10:40	01.19.24	S	1			BH08	10	0	4'							х						
Addition	al Instruc	tions:		•											•	•			•			
					mple. I am awa ds for legal actio	re that tampering with or intentionally mis n. <u>Sampled by: EK</u>	labelling ti	he samp	ole loc	ation,											ay they are sa bsequent day	
	ed by: (Sign		Date Ol	22/24	11:40	Received by: (Signature)	Date	222	4	Time	40		Receive	Received on ice			ab Us	se On	ly			
male	ed by: (Sign	Dyk	Date 1-2	2-24	Received by: (Signature)	Date Time						T1 T2 T3										
Relinquish	ed by: (Signa	aturé) Mu S s	Date		11me 2 <i>4c</i> 0	Received by: (Signature)	P 60	23.2	- 6	_			AVG Temp °C 4									
Sample Mat	rix: S - Soil, Se			Aqueous, O - O	ther	. //	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Sam	ples are disc	arded 30 d	ays after re	sults are rep	orted unless o	ther arrangements are made. Hazard	lous samp	oles wil	l be r	eturne	ed to	client	or disp	osed	of at the	client	exper	ise. Th	he rep	ort for the	analysis o	of the above





_
4
j
_
88
ge
ğ
Д

Project Manager: Gilbert Moreno Address: 5315 Buena Vista Dr. Address: 13000 W County Rd 100 City, State, Zip_Odessa,TX, 79765 E 40 2 0 5800	CWA SDWA RCRA State
Address: 13000 W County Rd 100 City, State, Zip: Carlsbad, NM, 88220 Phone: 575-885-7502 Analysis and Method	State
City, State, Zip_Odessa,TX, 79765 Phone: 575-885-7502	State
Phone: 832-541-7719 Email: jim.raley@dvn.com	
Email: Devon-team@etechenv.com WBS/WO: 21276304 8	JT AZ TX
Incident ID: nAPP2400432622	
Collected by: Edyte Konan	
Phone: 832-541-7719 Email: jim.raley@dvn.com WBS/WO: 21276304 Incident ID: nAPP2400432622 Collected by: Edyte Konan Time Sampled	emarks
Sampled Sample	icinarks
10:50 01.19.24 S 1 BH09 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
10,50 01.19.24 3 1	
11:00 01.19.24 S 1 BH09 12 4' X	
11.00 01.15.24 3 1	
11:10 01.19.24 S 1 BH10 13 0.5' X	
11.10 01.15.24 3 1	
11:20 01.19.24 S 1 BH10 L4 4' X	
11.20 01.13.24 3 1 8/10	
11:30 01.19.24 S 1 BH11 IS 0.5' X	
11.30 01.13.24 3 1 8111	
11:40 01.19.24 S 1 BH11 \(\lambda \lambda \lam	
11:40 01.19.24 S 1 BH11 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
11:50 01.19.24 S 1 BH12 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
11.50 01.19.24 3 1 81112	
12:00 01.19.24 S 1 BH12 K 4' X X	
12.00 01.19.24 3 1 BH12 16 4	
12:10 01.19.24 S 1 BH13 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
12:10 01:19:24 3 1 BH15	
12:20 01.19.24 S 1 BH13 2O 4'	
12:20 01.19.24 S 1 BH13 ZO 4' X	
Additional Instructions:	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location,	. 10
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK received packed in ice at an avg temp above 0 but less than 6 °C on subsequence of the control of the	quent days.
Relinquished by; (Signature) Date Time Received by: (Signature) Date Time Lab Use Only	
-199 01/22/24 113/40 WWelle Carp 1-2224 1140 Received on ice: 4 N	
Refinquished by: (Signature) Date Time Received by: (Signature) Date Time	
micelle (and 1-2124 1670 contra the 1224 1730 11 12 13	
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time	
Indew 1680 1-22-24 2400 hypoph & Hold 1-23-24 0600 AVG Temp °C 4	
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 30 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 client expense.	nalysis of the abov
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.	





_	_		
		2112	
		7 1	
		ŀ	

Client: W	/PX Energ	y Permia	n, LLC.			Bill	То			NAV JUL	Li	ab U	se Or	ly				TA	AT		EPA Pr	ogram
Project:	RDX FEDE	RAL 21#	021			Attention: Jim Raley			Lab	WO	#		Job			1D	2D	3D	Stand	dard	CWA	SDWA
Project N	/lanager:	Gilbert N	loreno			Address: 5315 Buena V	ista Dr.		E	401	112	7	01	05	8000	+			5 day	TAT		
Address:	13000 W	County I	Rd 100			City, State, Zip: Carlsba	d, NM, 88220)					Analy	sis a	nd Meth	od						RCRA
City, Stat	te, Zip_O	dessa,TX,	79765			Phone: 575-885-7502																
	32-541-7					Email: jim.raley@dvn.c	om			by C		1									State	
Email: D	evon-tear	n@etech	env.com			WBS/WO: 21276304				ORC		1							NI	и со	UT AZ	TX
Collected	d by: Edyt	e Konan		×		Incident ID: nAPP24004	132622		t.)	TPH GRO/DRO/ORO by 8015	, 8021	8260	6010	a 300.0		Z		¥	>	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II)			Lab Number	Depth(ft.)	TPH GR 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
12:30	01.19.24	S	1			BH14		21	0.5	•						х						
12:40	01.19.24	S	1			BH14		22	4'							х						
																	_	_				
														_								
									_													
						01128124																
						01						T										
												T										
																+						
Addition	al Instru	tions:							_			1										
I, (field sam	oler), attest t	o the validity	and authen	ticity of this s	ample. I an	aware that tampering with or int	entionally mislabe	lling the sam	ple lo	cation,			Sampl	es requ	iring therma	l preser	vation m	nust be r	eceived on	ice the day	they are sam	pled or
date or time	of collection	is considere	ed fraud and	may be groun	nds for legal	action. Sampled by:	EK						receiv	ed pack	ed in ice at	an avg t	emp abo	ove 0 but	t less than 6	°C on sub	sequent days.	1
Relinquish	ed by: (Sign	ature)	Date Oll	22124	Time	Received by: (Signature	eyh	Date 1-11	-24	Time	40)	Rec	eivec	on ice:	NO PERSONAL PROPERTY AND ADDRESS OF THE PERSONAL	ab U	se On	ily			
Relinquish	ed by: (Sign	gture)	Date	1224	Time 1630	Posethed by (Signature	e) %	Date 1-22- Date		Time			T1						<u>T3</u>			
Relinguish			Date		Time	Received by: (Signature	2)	Date		Time		122	TANK!									
Inda	W M	Qe,	1.	22-24	2400	highest R	Hell	1-28-2	24	0	60C	20	AVG	Ten	np °C	7						
		-		Aqueous, O -				Containe									glass,	v - VO	Α			
						ess other arrangements are ma	ade. Hazardous													t 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.





Printed: 1/24/2024 8:32:52AM

Envirotech Analytical Laboratory

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:	01/23/24 (06:00	Work Order ID:	E401127
Phone:	(539) 573-4018	Date Logged In:	01/22/24 1	15:49	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:		17:00 (4 day TAT)	<i>56 7</i>	
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does tl	ne number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disuess		Yes		<u>Comment</u>	s/Resolution
Sample T	Curn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
-	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
			NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling		Yes			
13. If no	visible ice, record the temperature.	e temperature: 4°	<u>C</u>			
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC 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 n	on-VOC samples collected in the correct container	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal	<u>oel</u>					
	field sample labels filled out with the minimum in	formation:				
	ample ID?		Yes			
	ate/Time Collected? ollectors name?		Yes			
			Yes			
	Preservation the COC or field labels indicate the samples were p	recerved?	No			
	ample(s) correctly preserved?	oreserved.	NA			
	filteration required and/or requested for dissolved	metals?	No			
		incuis.	110			
	see Sample Matrix	9	2.7			
	the sample have more than one phase, i.e., multiph		No			
-	, does the COC specify which phase(s) is to be ana	iyzed?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborat	•	No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client I	<u>istruction</u>					

Date

Report to:
Gilbert Moreno





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 21-21

Work Order: E403243

Job Number: 01058-0007

Received: 3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 3/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 21-21 Workorder: E403243

Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX 21-21.

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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
FS01 0.5-5'	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

_		_	•	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 12:13

Client Sample ID	Lab Sample ID M	Iatrix	Sampled	Received	Container
FS01 0.5-5'	E403243-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:13:27PM

FS01 0.5-5' E403243-01

	E403243-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: EG		Batch: 2413054
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0500	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
	91.6 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analy	yst: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	95.7 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2413081
ND	25.0	1	03/27/24	03/27/24	
ND	50.0	1	03/27/24	03/27/24	
	93.5 %	50-200	03/27/24	03/27/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2413057
119	20.0	1	03/26/24	03/27/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 95.7 % mg/kg ND 25.0 ND 50.0 93.5 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.6% 70-130 mg/kg mg/kg Analy ND 20.0 1 95.7% 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 93.5% 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: EG ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0500 1 03/26/24 ND 0.0250 1 03/26/24 mg/kg Manalyst: EG ND 20.0 1 03/26/24 mg/kg Mg/kg Analyst: KM ND 25.7 % 70-130 03/26/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/27/24 ND 50.0 1 03/27/24 ND 50.0 1 03/27/24 mg/kg mg/kg Analyst: KM	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0500 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 mg/kg mg/kg Analyst: EG ND 20.0 1 03/26/24 03/28/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/26/24 03/27/24 ND 25.0 1 03/27/24 03/27/24 ND 50.0 1 03/27/24 03/27/24 ND 50.0 1 03/27/24 03/27/24 ND 50.0 1 03/27/24<

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

QC Summary Data

RDX 21-21 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 3/29/2024 12:13:27PM **Volatile Organics by EPA 8021B** Analyst: EG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2413054-BLK1) Prepared: 03/26/24 Analyzed: 03/28/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.68 8.00 96.0 70-130 LCS (2413054-BS1) Prepared: 03/26/24 Analyzed: 03/28/24 4.95 5.00 99.1 70-130 Benzene 0.0250 Ethylbenzene 4.93 0.0250 5.00 98.7 70-130 70-130 4.93 0.0250 5.00 98.6 Toluene 97.8 70-130 o-Xylene 4.89 0.0250 5.00 9.95 10.0 99.5 70-130 0.0500 p.m-Xvlene 98.9 70-130 14.8 0.0250 15.0 Total Xylenes 8.00 97.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.76 Matrix Spike (2413054-MS1) Source: E403245-03 Prepared: 03/26/24 Analyzed: 03/28/24 Benzene 4.95 0.0250 5.00 ND 54-133 ND 97.8 61-133 Ethylbenzene 4.89 0.0250 5.00

Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2413054-MSD1)				Source	E403245-	03	Prepared: 03	3/26/24 Analy	yzed: 03/28/24
Benzene	4.79	0.0250	5.00	ND	95.9	54-133	3.17	20	
Ethylbenzene	4.77	0.0250	5.00	ND	95.3	61-133	2.61	20	
Toluene	4.77	0.0250	5.00	ND	95.3	61-130	3.01	20	
o-Xylene	4.69	0.0250	5.00	ND	93.8	63-131	3.09	20	
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	2.87	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.1	63-131	2.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

5.00

5.00

10.0

15.0

ND

ND

ND

ND

98.2

96.7

98.6

97.9

61-130

63-131

63-131

63-131

4.91

4.84

9.86

14.7

0.0250

0.0250

0.0500

0.0250



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:13:27PM

Carlsbad NM, 88220		Project Manage		lbert Moreno				3	3/29/2024 12:13:27PM
	Non	halogenated	Organics l	by EPA 801	5D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2413054-BLK1)							Prepared: 0	3/26/24 Ar	nalyzed: 03/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
LCS (2413054-BS2)							Prepared: 0	3/26/24 Ar	alyzed: 03/28/24
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
Matrix Spike (2413054-MS2)				Source:	E403245-	03	Prepared: 0	3/26/24 Ar	alyzed: 03/28/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.4	70-130			
Matrix Spike Dup (2413054-MSD2)				Source:	E403245-	03	Prepared: 0	3/26/24 Ar	alyzed: 03/28/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130	2.26	20	

8.00

7.61

95.1

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:13:27PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1			3/2	29/2024 12:13:27PM	
	Nonhal	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: KM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2413081-BLK1)							Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	44.3		50.0		88.5	50-200				
LCS (2413081-BS1)							Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132				
Surrogate: n-Nonane	51.1		50.0		102	50-200				
Matrix Spike (2413081-MS1)				Source:	E403237-	01	Prepared: 03/27/24 Analyzed: 03/27/24			
Diesel Range Organics (C10-C28)	317	25.0	250	48.4	107	38-132				
Surrogate: n-Nonane	47.2		50.0		94.5	50-200				
Matrix Spike Dup (2413081-MSD1)				Source:	E403237-	01	Prepared: 0	3/27/24 Ana	lyzed: 03/27/24	
Diesel Range Organics (C10-C28)	324	25.0	250	48.4	110	38-132	2.14	20		
Surrogate: n-Nonane	47.8		50.0		95.6	50-200				



QC Summary Data

WPX Energy - Carlsbad		Project Name:	R	DX 21-21					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno				-	3/29/2024 12:13:27PM
		Anions	by EPA 3	300.0/90 5 6	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413057-BLK1)							Prepared: 0	3/26/24 A1	nalyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413057-BS1)							Prepared: 0	3/26/24 Aı	nalyzed: 03/27/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2413057-MS1)				Source:	E403237-	04	Prepared: 0	3/26/24 Aı	nalyzed: 03/27/24
Chloride	1240	40.0	250	1040	80.9	80-120			
Matrix Spike Dup (2413057-MSD1)				Source:	E403237-	04	Prepared: 0	3/26/24 Aı	nalyzed: 03/27/24
Chloride	1220	40.0	250	1040	73.4	80-120	1.52	20	M4

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

ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 12:13

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.



Project: RDX 21-21

Client: WPX Energy Permian, LLC

Project Manager: Gilbert Moreno

Address: 13000 W County Rd 100

City, State, Zip Odessa, TX, 79765

Lab WO#

E403243

Bill To

Attention: Jim Raley

Phone: 575-885-7502

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

Lab Use Only

Job Number

01058-0007

Analysis and Method

TAT

5 Day TAT

1D 2D 3D Standard

EPA Program

CWA

SDWA

RCRA

N
Ţ
Ö
Ξ
Ð
age
ŭ

Phone: 8	32-541-7	719				Email:	im.rale	ey@dvn.co	om			ORC													State	9	
Email: Devon-team@etechenv.com						WBS/WO: 21276304						RO/C		-	0		0.0		on	ΣN		~	[NM CO	UT A	XZ TX	
Collected by: Gilbert Moreno Inc							Incident ID: nAPP2400432622						826	9010	e 300		/Ani			¥	[×					
Time Sampled	Date Sampled	Matrix	No. of Containers				Lab Numbe	er	Depth(ft.) TPH GRO/f	8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		ОООО			Remar	·ks				
9:30	3.21.24	S	1			F	S01				0.	5-5'								X							
																										H	
																										Ţ.	
<u></u>							/																				
						/																					
		,	- Ogri	6																						Ш	
																											n
8																											
Addition	al Instruc	tions:															,,,,,,,,,,										
				#40000##1000##1	sample. I am		()	ing with or int	tentionally mislal	elling the	sampl	le loca	ation,		- 1									on ice the da n 6 °C on sub			r
Relinguished by: (Signature) Date 3. 22 · 24 Time 3. 22 · 24										Date 3.22.24 Time 1 1 5 Received on ice: (Y) N																	
Relinquish	111	_		424	Time 5	(2)	M	y: (Signature		32	12	P		α	2	<u>T1</u>				T2				<u>T3</u>			
Relinquish	ed by: (Sign	ature)	Date		Time	Red	eived by	y: (Signature	e)	Date		Ti	ime			AVG	Tem	p °C_	(+							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other									Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
									nade. Hazardo liability of the												t expe	ense.	The r	eport for	the analy	sis of th	ne



of at the client expense. The report for the analysis of the per report.

envirotect

Printed: 3/26/2024 3:31:09PM

Envirotech Analytical Laboratory

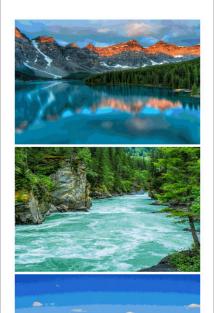
Sample Receipt Checklist (SRC)

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:	03/25/24	10:00		Work Order ID:	E403243
Phone:	(539) 573-4018	Date Logged In:	03/26/24	09:57		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	h the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	emperature: 4°	<u>C</u>				
_	<u>Container</u>						
	queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La							
	field sample labels filled out with the minimum informable ID?	mation:	Yes				
	Pate/Time Collected?		Yes				
	Collectors name?		Yes				
	Preservation		100				
	the COC or field labels indicate the samples were pre	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
Multipha	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	s, does the COC specify which phase(s) is to be analyze		NA				
			1471				
	ract Laboratory		3.7				
	amples required to get sent to a subcontract laborator		No				
29. Was a	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client I	<u>nstruction</u>						

Report to:
Gilbert Moreno





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 21-21

Work Order: E403240

Job Number: 01058-0007

Received: 3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 3/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 21-21 Workorder: E403240

Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX 21-21.

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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
FS02 1'	5
FS03 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

Reported:
Keporteu.
29/24 15:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02 1'	E403240-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS03 1'	E403240-02A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:21:50PM

FS02 1' E403240-01

		E403240-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2413062
Benzene	ND	0.0250	1	03/26/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/27/24	
Toluene	ND	0.0250	1	03/26/24	03/27/24	
o-Xylene	ND	0.0250	1	03/26/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/27/24	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2413062
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2413089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		97.8 %	50-200	03/28/24	03/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2413057
Chloride	799	20.0	1	03/26/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:21:50PM

FS03 1' E403240-02

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2413062
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0500	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
	95.0 %	70-130	03/26/24	03/27/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2413062
ND	20.0	1	03/26/24	03/27/24	
	89.4 %	70-130	03/26/24	03/27/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2413089
42.6	25.0	1	03/28/24	03/29/24	
ND	50.0	1	03/28/24	03/29/24	
	100 %	50-200	03/28/24	03/29/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2413057
656	20.0	1	03/26/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 42.6 ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 89.4 % mg/kg mg/kg mg/kg 42.6 25.0 ND 50.0 100 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Anal ND 20.0 1 89.4 % 70-130 mg/kg mg/kg Anal 42.6 25.0 1 ND 50.0 1 100 % 50-200 1 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0500 1 03/26/24 ND 0.0250 1 03/26/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/26/24 mg/kg mg/kg Analyst: KM 42.6 25.0 1 03/28/24 ND 50.0 1 03/28/24 MD 50.0 1 03/28/24 mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 03/26/24 03/27/24 ND 0.0500 1 03/26/24 03/27/24 ND 0.0250 1 03/26/24 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/26/24 03/27/24 mg/kg mg/kg Analyst: BA ND 20.0 1 03/26/24 03/27/24 mg/kg mg/kg Analyst: KM 42.6 25.0 1 03/28/24 03/29/24 ND 50.0 1 03/28/24 03/29/24 MD 50.0 1 03/28/24 03/29/24 Mg/kg mg/kg



	C =	J	
WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:21:50PM
	Analyst: BA		

Carlsbad NM, 88220		Project Manage	r. Gi	ilbert Moreno				3/2	9/2024 3:21:50PN
		Volatile (Organics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413062-BLK1)							Prepared: 0	3/26/24 Anal	yzed: 03/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			
LCS (2413062-BS1)							Prepared: 0	3/26/24 Anal	yzed: 03/26/24
Benzene	5.00	0.0250	5.00		99.9	70-130			
Ethylbenzene	4.85	0.0250	5.00		96.9	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	4.91	0.0250	5.00		98.1	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			
Matrix Spike (2413062-MS1)				Source:	E403239-	04	Prepared: 0	3/26/24 Anal	yzed: 03/26/24
Benzene	5.03	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.7	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			
Matrix Spike Dup (2413062-MSD1)				Source:	E403239-	04	Prepared: 0	3/26/24 Anal	yzed: 03/26/24
Benzene	4.92	0.0250	5.00	ND	98.3	54-133	2.20	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133	2.14	20	
Toluene	4.91	0.0250	5.00	ND	98.2	61-130	2.20	20	
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131	2.01	20	
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131	1.99	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.7	63-131	2.00	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:21:50PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				3/2	29/2024 3:21:50PM
	Non	halogenated	Organics l	oy EPA 80	15D - GI	RO			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 (2413062-BLK1)							Prepared: 03	3/26/24 Anal	yzed: 03/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
LCS (2413062-BS2)							Prepared: 03	3/26/24 Anal	yzed: 03/26/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			
Matrix Spike (2413062-MS2)				Source:	E403239-0	04	Prepared: 03	3/26/24 Anal	yzed: 03/26/24
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.4	70-130			
Matrix Spike Dup (2413062-MSD2)				Source:	E403239-0	04	Prepared: 03	3/26/24 Anal	yzed: 03/26/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130	0.707	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:21:50PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					3/29/2024 3:21:50PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413089-BLK1)							Prepared: 0	3/28/24 A	nalyzed: 03/28/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.7		50.0		99.3	50-200			
LCS (2413089-BS1)							Prepared: 0	3/28/24 A	nalyzed: 03/28/24
Diesel Range Organics (C10-C28)	309	25.0	250		123	38-132			
urrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike (2413089-MS1)				Source:	E403223-	25	Prepared: 0	3/28/24 A	nalyzed: 03/28/24
Diesel Range Organics (C10-C28)	326	25.0	250	ND	130	38-132			
urrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2413089-MSD1)				Source:	E403223-	25	Prepared: 0	3/28/24 A	nalyzed: 03/28/24
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132	4.80	20	
'urrogate: n-Nonane	54.3		50.0		109	50-200			



Chloride

M4

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		DX 21-21 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					3/29/2024 3:21:50PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413057-BLK1)							Prepared: 0	3/26/24 A	nalyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413057-BS1)							Prepared: 0	3/26/24 A	nalyzed: 03/27/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2413057-MS1)				Source:	E403237-	04	Prepared: 0	3/26/24 A	nalyzed: 03/27/24
Chloride	1240	40.0	250	1040	80.9	80-120			
Matrix Spike Dup (2413057-MSD1)				Source:	E403237-	04	Prepared: 0	3/26/24 A	nalyzed: 03/27/24

250

40.0

1040

73.4

80-120

1.52

1220

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

ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 15:21

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.



<u>က</u>
, of
ũ
ф Т
age
ñ

nt expense.	The repor	t for the and	alysis of t	he		age
en	vi	rc	t	e	C	11 19 of 18

Project in	formatio	n						Chair	n of Cus	stody	У													Page
Client: W	PX Energ	v Permia	n IIC				Bill To		T			La	h Us	e Onl	v				775	T/	ΔT		EPA Pi	rogran
	RDX 21-21		11, 220		1146	Attention:				Lab	WO#			Job N		ber		1D	2D	0007.5	-17-5	andard	CWA	SDW
	/lanager:		1oreno				315 Buena Vista Dr.			E4	03	24	0	300	584	9	50			X20200	1,000,000	ay TAT		
	13000 W				- 4	City, State	Zip: Carlsbad, NM,	88220						Analys								nî de		RCI
City, Stat	e, Zip_Od	essa,TX,	79765			Phone: 57	5-885-7502				by											Victoria Sal		
	32-541-7					Email: jim.	raley@dvn.com				ORO												State	
	evon-tean					WBS/WO:	21276304				RO/	п	0		0.0		ion	Σ		×		NM CO	UT AZ	TX
Collected	l by: Gilbe	ert More	no			Incident ID	: nAPP2400432622			£	0/0	/ 80	826	601	e 30		/An					×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample	e ID		Lab umber	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC		GDOC			Remarks	1
9:40	3.21.24	S	1			FS0	2		1	1'								X						
9:50	3.21.24	S	1			FSO:	3	F	2	1'								Х						
E		1/2																						
								1																
			٨																					
			1900				and the specific series																	
																				_				
														1										
Addition	al Instruc	tions:																						
				icity of this samp			npering with or intentionally	mislabellin	ng the sam	iple lo	cation,				OG / N/U # 20/9/0	11003 40000	350000000000000000000000000000000000000					on ice the day n 6 °C on subse		oled or
	ed by: (Sign		Date	2.24 Tip	ne C		ed by (Signature)	Da	2.12.	14	Time	15	5	Recei	ived	on i	ce.	ناح	b Us	se On	ily			
Relinquish	ed by: (Sign	ature)	Date 3.)	2.24 1	53	Receive	ed by: (Signature)	3	125	74	Time	M)	T1	vea	OII I		T2) "			T3		
Relinquish	ed by: (Sign	ature)	Date	Tim	ne	Receive	ed by: (Signature)	Da	te		Time			AVG	Tem	n °C	- 1	1						
Cample Mat	wi C Cail C	d Colld Co	Cl. 1	Iqueous, O - Oth					ontainer	Tunc		1								VO	^			

Page 120 of 182

Printed: 3/26/2024 2:29:26PM

Envirotech Analytical Laboratory

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 - Carlabad Date Received: 0325/24 10:00 Logged In By: Alexa Michaels	
Email: devon-team@etechenv.com Due Date: 03/29/24 17-00 (4 day TAT) Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Does the sample ID match the COC? 3. Were samples of sampling site location match the COC 3. Were samples of poped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as plf which should be conducted in the field, i.e., 15 minute hold time, are not included in this dissuesion. Sample Turn Around Time CTAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample (so lore received in good condition? 9. Was the sample (so lore received in fact, i.e., not broken? 9. Was the sample (so lore received in fact, i.e., not broken? 9. Was the sample (so lore received in fact, i.e., not broken? 9. Was the sample (so lore received in fact, i.e., not broken? 9. Was the sample (so lore received in fact) 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on lee? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wis 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space cless than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 3 sample ID? 20. Were field sample labels filled out with the minimum information: 3 sample ID? 3 test Time Collected? 4 yes 4 Collectors name?	
Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 6. Were all samples received within holding time? 7. Were all samples received within holding time? 8. Is inmite hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample (sooler received in good condition? 9. Was the sample (sooler received in good condition? 9. Was the sample (sooler received intact, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ince? If yes, the recorded temp is 4°C, i.e., 6°42°C 9. Note. Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples opticed in VOA Vials? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the orner containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. User field sample labels filled out with the minimum information: 19. Sample ID? 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Samples Collected? 20. Were field sample labels filled out with the minimum information: 21. Sample ID? 22. Samples Collectors name? 23. Vers field sample labels filled out with the minimum information: 24. Samples Collectors name? 25. Samples Collectors name? 26. Samples Collectors name?	
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Themal preservation is not required, if samples are received wij 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? 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? Date/Time Collected? Collectors name? Yes Collectors name?	
2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e. is minute hold time, are not included in this dissuession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 8. Tyes 8. If yes, was cooler received? 9. Was a sample cooler received? 9. Was the sample (s) received in good condition? 9. Was the sample (s) received in tact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on iee? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 8ample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Date/Time Collected? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 20. Were field sample labels filled out with the minimum information: 3ample ID? 3ample ID? 3bm Around Intervent Containers on the containers on the cont	
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples collected in VOA Vials? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name?	
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 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? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Date/Time Collected? Collectors name? 10. Were field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample ID? 21. Were field sample labels filled out with the minimum information: 22. Sample ID? 23. Were field sample labels filled out with the minimum information: 24. Yes Collectors name? 15. Are VOC samples collected? 25. Yes Collectors name?	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e. Is minute hold time, are not included in this disusession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (spreceived intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received win 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 15. Are aqueous VOC samples present? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the apropriate volume/weight or number of sample containers collected? 19. User field Lample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the minimum information: 20. Were field sample labels filled out with the m	
Note: Analysis, such as pH which shoulded in this disussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. May as a sample cooler received in good condition? 9. Was the sample(s) received in good condition? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Owere field sample labels filled out with the minimum information: Sample ID? 10. Were field sample labels filled out with the minimum information: Sample ID? 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the minimum information: 10. Were field sample labels filled out with the mi	
6. Did the COC indicate standard TAT, or Expedited TAT? Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name?	
Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 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? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Yes Collectors name? Yes Collectors name?	
7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 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? 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? Date/Time Collected? Yes Collectors name? Yes	
8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Date/Time Collected? 19. Date/Time Collected? 20. Were field sample labels filled out with the minimum information: 20. Sample ID? 20. Date/Time Collected? 21. Yes 22. Collectors name? 23. Yes 24. Collectors name? 24. Yes 25. Collectors name? 26. Yes 26. Collectors name?	
9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Yes Collectors name? Yes Collectors name?	
10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? NA	
11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? NA NA NA NA NA NA Ves Field Collectors name?	
11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? NA Pes Collectors name?	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name?	
Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Yes Collectors name? Yes Yes Yes Yes	
14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Yes Collectors name? No NA Yes Yes Yes Yes Collectors name?	
15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Yes Yes	
16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Yes	
17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name?	
18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Yes Yes Yes	
19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Yes Yes	
Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name? Yes	
20. Were field sample labels filled out with the minimum information: Sample ID? Pate/Time Collected? Collectors name? Yes Collectors name? Yes	
Sample ID? Yes Date/Time Collected? Yes Collectors name? Yes	
Date/Time Collected? Yes Collectors name? Yes	
Collectors name? Yes	
Sample Prosperiation	
Sample Preservation	
21. Does the COC or field labels indicate the samples were preserved?	
22. Are sample(s) correctly preserved?	
24. Is lab filteration required and/or requested for dissolved metals?	
Multiphase Sample Matrix	
26. Does the sample have more than one phase, i.e., multiphase?	
27. If yes, does the COC specify which phase(s) is to be analyzed?	
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	
CHERT HIST DELIVER.	
	1

Report to:
Gilbert Moreno





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 21-21

Work Order: E403237

Job Number: 01058-0007

Received: 3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 3/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 21-21 Workorder: E403237

Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX 21-21.

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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
FS04 0.5'	5
FS05 0.5'	6
FS06 0.5'	7
FS07 0.5'	8
FS08 0.5'	9
FS09 0.5'	10
FS10 0.5'	11
FS11 0.5'	12
FS12 0.5'	13
QC Summary Data	14
QC - Volatile Organic Compounds by EPA 8260B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc	19

Sample Summary

W	PX Energy - Carlsbad	Project Name:	RDX 21-21	Donostala
53	15 Buena Vista Dr	Project Number:	01058-0007	Reported:
Ca	rlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 13:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04 0.5'	E403237-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS05 0.5'	E403237-02A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS06 0.5'	E403237-03A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS07 0.5'	E403237-04A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS08 0.5'	E403237-05A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS09 0.5'	E403237-06A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS10 0.5'	E403237-07A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS11 0.5'	E403237-08A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
FS12 0.5'	E403237-09A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS04 0.5' E403237-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2413035
Benzene	ND	0.0250	1		03/26/24	03/27/24	
Ethylbenzene	ND	0.0250	1		03/26/24	03/27/24	
Toluene	ND	0.0250	1		03/26/24	03/27/24	
o-Xylene	ND	0.0250	1		03/26/24	03/27/24	
p,m-Xylene	ND	0.0500	1		03/26/24	03/27/24	
Total Xylenes	ND	0.0250	1	ļ	03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		03/26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		03/26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KM		Batch: 2413081
Diesel Range Organics (C10-C28)	48.4	25.0	1		03/27/24	03/28/24	
Oil Range Organics (C28-C36)	60.4	50.0	1		03/27/24	03/28/24	
Surrogate: n-Nonane		84.8 %	50-200		03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2413057
Amons by EFA 500.0/9050A	mg kg						



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS05 0.5' E403237-02

Regult			ion Prepared	Analyzed	Notes
Result	Limit	Diluti	ion repared	Anaryzeu	Notes
mg/kg	mg/kg	A	analyst: RKS		Batch: 2413035
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
ND	0.0500	1	03/26/24	03/27/24	
ND	0.0250	1	03/26/24	03/27/24	
	97.3 %	70-130	03/26/24	03/27/24	
	99.4 %	70-130	03/26/24	03/27/24	
	101 %	70-130	03/26/24	03/27/24	
mg/kg	mg/kg	A	analyst: RKS		Batch: 2413035
ND	20.0	1	03/26/24	03/27/24	
	97.3 %	70-130	03/26/24	03/27/24	
	99.4 %	70-130	03/26/24	03/27/24	
	101 %	70-130	03/26/24	03/27/24	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2413081
ND	25.0	1	03/27/24	03/28/24	-
ND	50.0	1	03/27/24	03/28/24	
	92.6 %	50-200	03/27/24	03/28/24	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2413057
1720	40.0	2	03/26/24	03/27/24	
	ND N	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.3 % 99.4 % 101 % 101 % mg/kg mg/kg ND 20.0 97.3 % 99.4 % 101 % 101 % mg/kg mg/kg ND 25.0 ND 50.0 92.6 % mg/kg mg/kg mg/kg	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.3 % 70-130 99.4 % 70-130 101 % 70-130 99.4 % 70-130 99.4 % 70-130 101 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 92.6 % 50-200 mg/kg mg/kg A	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0500 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 97.3 % 70-130 03/26/24 99.4 % 70-130 03/26/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/26/24 97.3 % 70-130 03/26/24 97.3 % 70-130 03/26/24 99.4 % 70-130 03/26/24 101 % 70-130 03/26/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/27/24 ND 50.0 1 03/27/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/26/24 03/27/24 ND 0.0500 1 03/26/24 03/27/24 ND 0.0250 1 03/26/24 03/27/24 ND 0.0250 1 03/26/24 03/27/24 97.3 % 70-130 03/26/24 03/27/24 99.4 % 70-130 03/26/24 03/27/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/26/24 03/27/24 97.3 % 70-130 03/26/24 03/27/24 99.4 % 70-130 03/26/24 03/27/24 99.4 % 70-130 03/26/24 03/27/24 101 % 7



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS06 0.5' E403237-03

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: RKS		Batch: 2413035
Benzene	ND	0.0250	1	03/26/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/27/24	
Toluene	ND	0.0250	1	03/26/24	03/27/24	
o-Xylene	ND	0.0250	1	03/26/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130	03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130	03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: RKS		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130	03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	03/26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130	03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2413081
Diesel Range Organics (C10-C28)	42.7	25.0	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	54.1	50.0	1	03/27/24	03/28/24	
Surrogate: n-Nonane		92.4 %	50-200	03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: IY		Batch: 2413057
Chloride	987	40.0	2	03/26/24	03/27/24	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS07 0.5' E403237-04

	_	Reporting	_				
Analyte	Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2413035
Benzene	ND	0.0250	1	03/2	26/24	03/27/24	
Ethylbenzene	ND	0.0250	1	03/2	26/24	03/27/24	
Toluene	ND	0.0250	1	03/2	26/24	03/27/24	
o-Xylene	ND	0.0250	1	03/2	26/24	03/27/24	
p,m-Xylene	ND	0.0500	1	03/2	26/24	03/27/24	
Total Xylenes	ND	0.0250	1	03/2	26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	03/2	26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	03/2	26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130	03/	26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/2	26/24	03/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	03/2	26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	03/2	26/24	03/27/24	
Surrogate: Toluene-d8		101 %	70-130	03/.	26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0	1	03/2	27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/2	27/24	03/28/24	
Surrogate: n-Nonane		95.9 %	50-200	03/	27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2413057
Chloride	1040	40.0	2	03/2	26/24	03/27/24	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS08 0.5' E403237-05

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Rl	KS		Batch: 2413035
Benzene	ND	0.0250	1		03/26/24	03/27/24	
Ethylbenzene	ND	0.0250	1	Į.	03/26/24	03/27/24	
Toluene	ND	0.0250	1	Į.	03/26/24	03/27/24	
o-Xylene	ND	0.0250	1	Į.	03/26/24	03/27/24	
p,m-Xylene	ND	0.0500	1	Į.	03/26/24	03/27/24	
Total Xylenes	ND	0.0250	1	[03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		03/26/24	03/27/24	
Surrogate: Toluene-d8		102 %	70-130		03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: Rl	KS		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ.	03/26/24	03/27/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		03/26/24	03/27/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		03/26/24	03/27/24	
Surrogate: Toluene-d8		102 %	70-130		03/26/24	03/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	03/27/24	03/28/24	
Surrogate: n-Nonane		96.0 %	50-200		03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2413057
Chloride	2320	40.0	2	2	03/26/24	03/27/24	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS09 0.5' E403237-06

Analyte	Result	Reporting Limit	Dilut	tion l	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS	<u>.</u> S		Batch: 2413035
Benzene	ND	0.0250	1		03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	. (03/26/24	03/28/24	
Toluene	ND	0.0250	1	. (03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	. (03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	. (03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	. (03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	(03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	(03/26/24	03/28/24	
Surrogate: Toluene-d8		100 %	70-130	(03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS	S		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0	1	. (03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	(03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	(03/26/24	03/28/24	
Surrogate: Toluene-d8		100 %	70-130	(03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0	1	. (03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	. (03/27/24	03/28/24	
Surrogate: n-Nonane		99.8 %	50-200	(03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2413057
Chloride	2650	40.0	2	! (03/26/24	03/27/24	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS10 0.5' E403237-07

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2413035
Benzene	ND	0.0250		1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250		1	03/26/24	03/28/24	
Toluene	ND	0.0250		1	03/26/24	03/28/24	
o-Xylene	ND	0.0250		1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500		1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		103 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		103 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/27/24	03/28/24	
Surrogate: n-Nonane		97.7 %	50-200		03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2413057
Chloride	1900	100		5	03/26/24	03/27/24	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS11 0.5' E403237-08

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	: RKS		Batch: 2413035
ND	0.0250		1	03/26/24	03/28/24	
ND	0.0250		1	03/26/24	03/28/24	
ND	0.0250		1	03/26/24	03/28/24	
ND	0.0250		1	03/26/24	03/28/24	
ND	0.0500		1	03/26/24	03/28/24	
ND	0.0250		1	03/26/24	03/28/24	
	95.9 %	70-130		03/26/24	03/28/24	
	100 %	70-130		03/26/24	03/28/24	
	102 %	70-130		03/26/24	03/28/24	
mg/kg	mg/kg		Analyst	: RKS		Batch: 2413035
ND	20.0		1	03/26/24	03/28/24	
	95.9 %	70-130		03/26/24	03/28/24	
	100 %	70-130		03/26/24	03/28/24	
	102 %	70-130		03/26/24	03/28/24	
mg/kg	mg/kg		Analyst	: KM		Batch: 2413081
ND	25.0		1	03/27/24	03/28/24	
ND	50.0		1	03/27/24	03/28/24	
	94.6 %	50-200		03/27/24	03/28/24	
mg/kg	mg/kg		Analyst	: IY		Batch: 2413057
2960	200		10	03/26/24	03/27/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 25.9 % 100 % 102 % mg/kg mg/kg ND 20.0 95.9 % 100 % 102 % 102 % mg/kg mg/kg ND 25.0 ND 50.0 94.6 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 95.9 % 70-130 100 % 70-130 102 % 70-130 mg/kg mg/kg ND 20.0 95.9 % 70-130 100 % 70-130 102 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 94.6 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 100 % 70-130 1 mg/kg mg/kg Analyst ND 20.0 1 95.9 % 70-130 1 100 % 70-130 1 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 94.6 % 50-200 mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0500 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 100 % 70-130 03/26/24 100 % 70-130 03/26/24 102 % 70-130 03/26/24 100 % 70-130 03/26/24 100 % 70-130 03/26/24 102 % 70-130 03/26/24 102 % 70-130 03/26/24 102 % 70-130 03/26/24 102 % 70-130 03/26/24 102 % 70-130 03/26/24 102 % 70-130 03/26/24 ND 25.0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/26/24 03/28/24 ND 0.0500 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 100 % 70-130 03/26/24 03/28/24 100 % 70-130 03/26/24 03/28/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/26/24 03/28/24 100 % 70-130 03/26/24 03/28/24 100 % 70-130 03/26/24 03/28/24 102 % 70-130 03/26/24 03/28/24 mg/kg mg/kg<



WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

FS12 0.5' E403237-09

		2.0020.05					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
			Dil	Analyst		7 mary zea	Batch: 2413035
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Allaryst		02/20/24	Baten: 2413033
Benzene	ND	0.0250		1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250		1	03/26/24	03/28/24	
Toluene	ND	0.0250		1	03/26/24	03/28/24	
o-Xylene	ND	0.0250		1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500		1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		100 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2413035
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		100 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/24	03/28/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/27/24	03/28/24	
Surrogate: n-Nonane		96.1 %	50-200		03/27/24	03/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2413057
Chloride	7440	200		10	03/26/24	03/27/24	



WPX Energy - Carlsbad Project Name: RDX 21-21 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 3/29/2024 1:47:49PM

Carisbad NW, 88220		Project Manage	r. Gi	ilbert Moreno)			3/2	9/2024 1.4/.49F1	
Volatile Organic Compounds by EPA 8260B Analyst:										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2413035-BLK1)							Prepared: 0	3/26/24 Analy	yzed: 03/27/24	
Benzene	ND	0.0250							,	
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.491	0.0250	0.500		98.1	70-130				
			0.500		99.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.496									
Surrogate: Toluene-d8	0.502		0.500		100	70-130				
LCS (2413035-BS1)							Prepared: 0	3/26/24 Analy	yzed: 03/27/24	
Benzene	1.90	0.0250	2.50		76.0	70-130				
Ethylbenzene	2.36	0.0250	2.50		94.5	70-130				
Toluene	2.34	0.0250	2.50		93.7	70-130				
o-Xylene	2.39	0.0250	2.50		95.5	70-130				
p,m-Xylene	4.77	0.0500	5.00		95.3	70-130				
Total Xylenes	7.15	0.0250	7.50		95.4	70-130				
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
Matrix Spike (2413035-MS1)				Source:	E403232-	04	Prepared: 0	3/26/24 Anal	yzed: 03/27/24	
Benzene	1.90	0.0250	2.50	ND	76.1	48-131	-	•	<u> </u>	
Ethylbenzene	2.36	0.0250	2.50	ND	94.3	45-135				
Toluene	2.32	0.0250	2.50	ND	92.9	48-130				
o-Xylene	2.44	0.0250	2.50	ND	97.5	43-135				
p,m-Xylene	4.88	0.0500	5.00	ND	97.7	43-135				
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135				
Surrogate: Bromofluorobenzene	0.504	0.0230	0.500	1.2	101	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130				
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130				
Matrix Spiles Dun (2412025 MSD1)				Carrage	E403232-	0.4	Duamanada O	2/26/24 Amol	vra d. 02/27/24	
Matrix Spike Dup (2413035-MSD1)	1.07		2.50				•		yzed: 03/27/24	
Benzene	1.87	0.0250	2.50	ND	74.9	48-131	1.51	23		
Ethylbenzene	2.31	0.0250	2.50	ND	92.5	45-135	1.86	27		
Toluene	2.29	0.0250	2.50	ND	91.7	48-130	1.21	24		
o-Xylene	2.39	0.0250	2.50	ND ND	95.5	43-135	2.16	27		
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135	2.72	27 27		
Total Xylenes	7.14	0.0250	7.50	ND	95.2 99.4	43-135	2.53	21		
Surrogate: Bromofluorobenzene	0.497		0.500			70-130 70-130				
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	/0-130				



0.500

99.5

70-130

0.498

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 21-21Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno3/29/20241:47:49PM

Nonhalogenated	Organics b	v EPA 8015D	- GRO

Analyst: RKS

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

	Result	Lillit	LCVCI	Result	Rec	Lillius	ICI D	Lillin	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413035-BLK1)							Prepared: 0	3/26/24 A	analyzed: 03/27/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			
LCS (2413035-BS2)							Prepared: 0	3/26/24 A	analyzed: 03/27/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130	<u> </u>	<u> </u>	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike (2413035-MS2)				Source:	E403232-0	04	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Matrix Spike Dup (2413035-MSD2)				Source:	E403232-0	04	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	6.05	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
	0.493		0.200						
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 1:47:49PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				3	/29/2024 1:47:49P
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413081-BLK1)							Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.3		50.0		88.5	50-200			
LCS (2413081-BS1)							Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike (2413081-MS1)				Source:	E403237-0	01	Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	317	25.0	250	48.4	107	38-132			
urrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2413081-MSD1)				Source:	E403237-	01	Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	324	25.0	250	48.4	110	38-132	2.14	20	
urrogate: n-Nonane	47.8		50.0		95.6	50-200			



WPX Energy - Carlsbad		Project Name:		OX 21-21					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager	: Gi	lbert Moreno					3/29/2024 1:47:49PM
		Anions	by EPA 3	00.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413057-BLK1)							Prepared: 0	3/26/24 A	nalyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413057-BS1)							Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2413057-MS1)				Source:	E403237-0)4	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	1240	40.0	250	1040	80.9	80-120			
Matrix Spike Dup (2413057-MSD1)				Source:	E403237-0)4	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	1220	40.0	250	1040	73.4	80-120	1.52	20	M4

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 21-21	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 13:47

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.



_
20
₽
6
_
<u>e</u>

Client: WPX Energy Permian, LLC		11, 14	Bill To			Lab Use Only						TAT				rogram					
Project: RDX 21-21 Project Manager: Gilbert Moreno		Atte	Attention: Jim Raley Address: 5315 Buena Vista Dr.								2D	3D	Standard	CWA	SDWA						
					٦E	E403237			F000-8=2010		F			5 Day TAT							
Address	Address: 13000 W County Rd 100		City	City, State, Zip: Carlsbad, NM, 88220		1	Analysis a							····		51152		RCRA			
City, Sta	te, Zip_Oc	lessa,TX,	79765		Pho	Phone: 575-885-7502 Email: jim.raley@dvn.com		1	þý				1 1								
Phone: 8	332-541-7	719			Ema			7	S _S											State	-
	evon-tear		env.com	_	WBS/WO: 21276304		1	0/0				0		Cation/Anion	Σ		¥	NM CO	UT AZ	TX	
	d by: Gilbe							┨╶	/DR	802	3260	010			300						
			Lah		발	GRO	þ	by 8	als 6	ride		/uo	00		ပ္က						
Sampled	I Matrix I		Sample ID N		Numbe	Depth(ft.)	TPH GRO/DRO/ORO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cati	BGDOC		СВОС		Remarks	i		
10:00	3.21.24	S	1			FS04		0.5	'							X					
10:10	10:10 3.21.24 S 1		FS05 2		2	0.5	•							х							
10:20	10:20 3.21.24 S 1		FS06		3	0.5								Х							
10:30	30 3.21.24 S 1			FS07	4	0.5	•							Х							
10:40	3.21.24	S	1			FS08	5	0.5								х					
10:50	3.21.24	.21.24 S 1			FS09	6	0.5								х				10		
11:00	3.21.24	.24 S 1			FS10		0.5								х						
11:10	3.21.24	S	1			FS11	8	0.5								х					
11:20	3.21.24	S	1	FS12		FS12	9	0.5								Х					
					0																
Addition	al Instruc	tions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: GM Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								pled or													
Relinquished by: (Signature) Date 3.22.24 Time 3.22.24 Redeived by: (Signature)																					
Relinquished by) (Signature) Date 322 Time 320		530	Received by: (Signature)	3/24	3/25/24 1000		~					Т3									
Relinquish	Relinquished by: (Signature) Date Time Receive		Received by (Signature)	Date		Time AVG Temp °C															
Sample Mat	rix: S - Soil S	d - Solid. Sø -	- Sludge. A - A	queous, O - Ot	her		Contain	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous sam																					
- 1 Kill A	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.																				



e client expense. The report for the analysis of the t.

envirotection and the control of the co

envirotech Inc.

Printed: 3/26/2024 2:06:32PM

Envirotech Analytical Laboratory

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:	03/25/24	10:00	Work Order ID:	E403237
Phone:	(539) 573-4018	Date Logged In:	03/25/24	17:43	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/29/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	te COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	carrier. <u>courier</u>		
	all samples received within holding time?	·	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion				Commen	ts/Resolution
Sample 7	Turn Around Time (TAT)					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
	<u>Container</u>	•	_			
	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	on-VOC samples collected in the correct containers?	ı	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum info	rmation:				
	sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		165			
_	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved m	etals?	No			
Multiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas	se?	No			
	s, does the COC specify which phase(s) is to be analy		NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborator	w?	No			
	a subcontract laboratory specified by the client and if	•	NA	Subcontract Lab: NA		
	• • •		- 111	Subcontract Lab. 1471		
Client I	<u>nstruction</u>					
<u> </u>						

Date

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

Report to:
Gilbert Moreno





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 21-21

Work Order: E403241

Job Number: 01058-0007

Received: 3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 3/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 21-21 Workorder: E403241

Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX 21-21.

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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
SW01 0-0.5'	5
SW02 0-0.5'	6
QC Summary Data	7
QC - Volatile Organic Compounds by EPA 8260B	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

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 15:20

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW01 0-0.5'	E403241-01A Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
SW02 0-0.5'	E403241-02A Soil	03/21/24	03/25/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:20:17PM

SW01 0-0.5' E403241-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2413052
Benzene	ND	0.0250		1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250		1	03/26/24	03/28/24	
Toluene	ND	0.0250		1	03/26/24	03/28/24	
o-Xylene	ND	0.0250		1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500		1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		107 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		102 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2413052
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		107 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		102 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2413089
Diesel Range Organics (C10-C28)	ND	25.0		1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/28/24	03/29/24	
Surrogate: n-Nonane		99.1 %	50-200		03/28/24	03/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2413057
Chloride	230	20.0	<u> </u>	1	03/26/24	03/27/24	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:20:17PM

SW02 0-0.5' E403241-02

		2.002.11 02					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst		1 mary 200	Batch: 2413052
Benzene	ND	0.0250		1	03/26/24	03/28/24	Butch: 2 113 032
Ethylbenzene	ND	0.0250		1	03/26/24	03/28/24	
Toluene	ND	0.0250		1	03/26/24	03/28/24	
o-Xylene	ND	0.0250		1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500		1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		105 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Analyst: RKS				Batch: 2413052
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		105 %	70-130		03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		03/26/24	03/28/24	
Surrogate: Toluene-d8		101 %	70-130		03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2413089
Diesel Range Organics (C10-C28)	ND	25.0		1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/28/24	03/29/24	
Surrogate: n-Nonane		104 %	50-200		03/28/24	03/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2413057
Chloride	238	20.0		1	03/26/24	03/27/24	



WPX Energy - CarlsbadProject Name:RDX 21-21Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno3/29/20243:20:17PM

Carisbad NW, 88220		Project Manage	r. Gi	ibert Moreno				3/2	9/2024 3.20.17F1
	V	olatile Organ	ic Compo	unds by El	PA 82601	В		A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413052-BLK1)							Prepared: 0	3/26/24 Analy	yzed: 03/28/24
Benzene	ND	0.0250							,
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529	0.0230	0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS (2413052-BS1)							Prepared: 0	3/26/24 Analy	yzed: 03/28/24
Benzene	2.23	0.0250	2.50		89.2	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.4	70-130			
Toluene	2.15	0.0250	2.50		86.1	70-130			
o-Xylene	2.12	0.0250	2.50		84.6	70-130			
p,m-Xylene	4.24	0.0500	5.00		84.7	70-130			
Total Xylenes	6.35	0.0250	7.50		84.7	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
Matrix Spike (2413052-MS1)				Source:	E403244-	38	Prepared: 0	3/26/24 Anal	yzed: 03/28/24
Benzene	2.56	0.0250	2.50	ND	102	48-131		•	<u> </u>
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135			
Toluene	2.47	0.0250	2.50	ND	99.0	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	4.99	0.0500	5.00	ND	99.9	43-135			
Total Xylenes	7.50	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.499	0.0230	0.500	112	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
Matrix Spike Dup (2413052-MSD1)				Source	E403244-	.38	Prepared: 0	3/26/24 Analy	yzed: 03/28/24
	2.65	0.0250	2.50	ND	106	48-131	3.71	23	, _ 30. 00/20/27
Benzene	2.68	0.0250	2.50 2.50	ND ND	106	48-131	3.71 4.29	23 27	
Ethylbenzene	2.68	0.0250	2.50	ND ND	107	45-135 48-130	4.29 3.98	24	
Toluene		0.0250		ND ND	103	48-130	3.98 6.24	2 4 27	
o-Xylene	2.67 5.30	0.0250	2.50 5.00	ND ND			5.94	27	
p,m-Xylene	5.30 7.97	0.0500	7.50	ND ND	106 106	43-135 43-135	5.94 6.04	27	
Total Xylenes		0.0250	0.500	ND	100	70-130	0.04	41	
Surrogate: Bromofluorobenzene	0.510								
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			

0.500

70-130

0.506

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 21-21Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno3/29/2024 3:20:17PM

Nonhalogenated Organics by EPA 8015D - GRO										
Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
					P	repared: 03	3/26/24 Analy	vzed: 03/28/24		
ND	20.0									
0.529		0.500		106	70-130					
0.499		0.500		99.7	70-130					
0.514		0.500		103	70-130					
	Result mg/kg ND 0.529 0.499	Result Limit mg/kg mg/kg ND 20.0 0.529 0.499	Result Limit Level mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg ND 20.0 0.529 0.500 0.500	Result Limit Level Result mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg %	Result Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % %	Result Limit Level Result Rec Limits RPD	Result Limit Level Result Rec Limits RPD Limit Rec Limits Rec Limits RPD Limit Rec Limits RPD Limit Rec Limits RPD Limit Rec Limits RPD Limit Rec Limits Rec Limits RPD Limit Rec Limits RPD Limit Rec Limits Rec Limits RPD Rec Limits RPD Rec Limits Rec Limits RPD Rec Limits RPD Rec Limits Rec Limits Rec Limits Rec Limits RPD Rec Limits Rec Limit		

Matrix Spike (2413052-MS2)				Source: E403244-38	3	Prepared: 03/26/24 Analyzed: 03/28/24
Surrogate: Toluene-d8	0.509		0.500	102	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500	102	70-130	
Surrogate: Bromofluorobenzene	0.531		0.500	106	70-130	
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	113	70-130	

Matrix Spike (2413052-MS2)		Source:	E403244-	58	Prepared: 03/26/24 Analyzed: 03/28/24		
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130	
Surrogate: Toluene-d8	0.509		0.500		102	70-130	

0.507								
Matrix Spike Dup (2413052-MSD2)					38	Prepared: 03/26/24 Analyzed: 03/28/2		
52.3	20.0	50.0	ND	105	70-130	12.5	20	
0.540		0.500		108	70-130			
0.478		0.500		95.6	70-130			
0.510		0.500		102	70-130			
	0.540 0.478	0.540 0.478	0.540 0.500 0.478 0.500	52.3 20.0 50.0 ND 0.540 0.500 0.478 0.500	52.3 20.0 50.0 ND 105 0.540 0.500 108 0.478 0.500 95.6	0.540 0.500 108 70-130 0.478 0.500 95.6 70-130	52.3 20.0 50.0 ND 105 70-130 12.5 0.540 0.500 108 70-130 0.478 0.500 95.6 70-130	

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 3:20:17PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				3	3/29/2024 3:20:17Pi			
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KI												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2413089-BLK1)							Prepared: 0	3/28/24 An	alyzed: 03/28/24			
Diesel Range Organics (C10-C28)	ND	25.0										
Dil Range Organics (C28-C36)	ND	50.0										
urrogate: n-Nonane	49.7		50.0		99.3	50-200						
LCS (2413089-BS1)							Prepared: 0	3/28/24 An	alyzed: 03/28/24			
Diesel Range Organics (C10-C28)	309	25.0	250		123	38-132						
urrogate: n-Nonane	55.5		50.0		111	50-200						
Matrix Spike (2413089-MS1)				Source:	E403223-	25	Prepared: 0	3/28/24 An	alyzed: 03/28/24			
Diesel Range Organics (C10-C28)	326	25.0	250	ND	130	38-132						
urrogate: n-Nonane	55.3		50.0		111	50-200						
Matrix Spike Dup (2413089-MSD1)				Source:	E403223-	25	Prepared: 0	3/28/24 An	alyzed: 03/28/24			
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132	4.80	20				
'urrogate: n-Nonane	54.3		50.0		109	50-200						



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:	0	DX 21-21 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					3/29/2024 3:20:17PM
		Anions	by EPA 3	300.0/9056A					Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413057-BLK1)							Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413057-BS1)							Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2413057-MS1)				Source:	E403237-	04	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	1240	40.0	250	1040	80.9	80-120			
Matrix Spike Dup (2413057-MSD1)				Source:	E403237-0	04	Prepared: 0	3/26/24 A	analyzed: 03/27/24
Chloride	1220	40.0	250	1040	73.4	80-120	1.52	20	M4

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

ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 15:20

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.



33
<u>.</u>
0
7
Φ
ag
(U

roject ir	nformatio	n.						Chain of	Cus	stouy	,													Page
lient: W	PX Energ	v Permia	n IIC			Γ	Bill To			VALUE	L TOP	La	h Us	e On	lv	Un for				TA	AT		EPA P	rogra
	RDX 21-21		.,		La Maria	Atten	tion: Jim Raley		\neg	Lab V	WO#		78	Job N		ber		1D	2D	3D	Clark.	lard	CWA	SDI
	/lanager:		oreno			Addre	ss: 5315 Buena Vista Dr.		\neg	F4	03	24	11	00							5 Day			
	13000 W				SA		tate, Zip: Carlsbad, NM,	88220	\neg					Analy	sis ar	nd Me	ethod	1						RC
City, Stat	e, Zip_Od	lessa,TX,	79765			Phone	e: 575-885-7502				ρλ													
	32-541-7					Email	jim.raley@dvn.com				80												State	
mail: De	evon-tean	n@etech	env.com		No.		WO: 21276304				80	11	0		0.0		noi	Σ		×	NN	1 CO	UT AZ	TX
Collected	by: Gilbe	ert Morer	10		de la constant	Incide	nt ID: nAPP2400432622			Œ.	0/0	/ 802	826	6010	e 30		/An			¥	×			
Time Sampled	Date Sampled	Matrix	No. of Containers			S	ample ID	Lal Numi		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	родря		GDOC			Remarks	ŀ
11:30	3.21.24	S	1				SW01	1		0-0.5'								X						
11:40	3.21.24	S	1				SW02	2		0-0.5								Х						
																		-						
		. Davi	1															-	-					
	9	MO																						
A deliai e e	al Instruc	••						1.012.																
			and authent	icity of this sa	mple. I am	n aware t	nat tampering with or intentionally	y mislabelling th	e sam	ple lo	cation,												they are sam	pled or
			Date	may be ground	ds for legal		eceived by: (Signature)	Date		1 1	Time	13	<u> </u>	receive	a packe	ed in ice	e at an a			se Or	less than 6 °	on subs	equent days.	
- 1/	ed by: (Sign			1/2	ime 3)	eceived by: (Signature)	3:22 Date	-		Time	12		Rece	ived	on i	ce:	CY) N					
()	ed by: (Sign		3 C	22:24	153 ime	-	eceived by: (Signature)	32 Date	52	_) (∞	<u></u>	<u>T1</u>			-,	<u>T2</u>			<u>T3</u>			
	-3 67. (Sign													AVG	Tem	np °C		<u>+</u>						
ample Mat	rix: S - Soil, S	d - Solid, Sg	Sludge, A - A	queous, O - C	Other			Conta	iner	Type	: g - g	glass,	p - p	oly/p	lastic	ag -	amb	er gl	ass, v	- VO	Α			



or disposed of at the client expense. The report for the analysis of the aid for on the report.

Conclusion of the client expense. The report for the analysis of the aid for on the report.

envirotech Inc.

Printed: 3/26/2024 2:44:16PM

Envirotech Analytical Laboratory

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:	03/25/24	10:00		Work Order ID:	E403241
Phone:	(539) 573-4018	Date Logged In:	03/26/24	09:50		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/29/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	'ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>ourici</u>		
	ill samples received within holding time?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•		,		Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	<u>Container</u>		_				
_	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	Oate/Time Collected?		Yes	•			
	Collectors name?		Yes				
	Preservation the COC or field labels indicate the samples were pr	recerved?	No				
	ample(s) correctly preserved?	csciveu:	NA				
	filteration required and/or requested for dissolved m	netals?	No				
	1		110				
	ase Sample Matrix the sample have more than one phase, i.e., multipha	no?	NT-				
	, does the COC specify which phase(s) is to be analy		No				
		zeu:	NA				
	ract Laboratory	_					
	amples required to get sent to a subcontract laborator	-	No				
29. Was a	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client I	<u>nstruction</u>						

Date

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

Report to:
Gilbert Moreno







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 21-21

Work Order: E403242

Job Number: 01058-0007

Received: 3/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

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

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

Date Reported: 3/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 21-21 Workorder: E403242

Date Received: 3/25/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: RDX 21-21.

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

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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
SW03 0-5'	5
SW04 0-5'	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

Γ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	D
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 12:15

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW03 0-5'	E403242-01A Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
SW04 0-5'	E403242-02A Soil	03/21/24	03/25/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:15:14PM

SW03 0-5' E403242-01

	E403242-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: EG		Batch: 2413054
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
ND	0.0500	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
	91.8 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Anal	yst: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	94.5 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2413081
ND	25.0	1	03/27/24	03/27/24	
ND	50.0	1	03/27/24	03/27/24	
	93.6 %	50-200	03/27/24	03/27/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2413057
234	20.0	1	03/26/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 91.8 % mg/kg mg/kg mg/kg ND 20.0 94.5 % mg/kg ND 25.0 ND 50.0 93.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 91.8 % 70-130 mg/kg mg/kg Analy ND 20.0 1 94.5 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 93.6 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: EG ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 ND 0.0500 1 03/26/24 ND 0.0250 1 03/26/24 mg/kg mg/kg Analyst: EG ND 20.0 1 03/26/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/27/24 ND 50.0 1 03/27/24 ND 50.0 1 03/27/24 ND 50.0 1 03/27/24 mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0500 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 MD 0.0250 1 03/26/24 03/28/24 mg/kg mg/kg Analyst: EG ND 20.0 1 03/26/24 03/28/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/27/24 03/27/24 ND 50.0 1 03/27/24 03/27/24 ND 50.0 1 03/27/24 03/27/24 Mg/kg mg/kg Analyst: IY <t< td=""></t<>

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:15:14PM

SW04 0-5' E403242-02

		E403242-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: EG		Batch: 2413054
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2413081
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/24	03/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/24	03/27/24	
Surrogate: n-Nonane		93.3 %	50-200	03/27/24	03/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2413057
Chloride	216	20.0	1	03/26/24	03/27/24	



WPX Energy - Carlsbad RDX 21-21 Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 3/29/2024 12:15:14PM **Volatile Organics by EPA 8021B** Analyst: EG RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2413054-BLK1) Prepared: 03/26/24 Analyzed: 03/28/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.68 8.00 96.0 70-130 LCS (2413054-BS1) Prepared: 03/26/24 Analyzed: 03/28/24 4.95 5.00 99.1 70-130 0.0250 Benzene Ethylbenzene 4.93 0.0250 5.00 98.7 70-130 70-130 4.93 0.0250 5.00 98.6 Toluene 97.8 70-130 o-Xylene 4.89 0.0250 5.00 9.95 10.0 99.5 70-130 p,m-Xylene 0.0500 98.9 70-130 14.8 0.0250 15.0 Total Xylenes 8.00 97.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.76 Matrix Spike (2413054-MS1) Source: E403245-03 Prepared: 03/26/24 Analyzed: 03/28/24

ND	99.0	54-133	
ND	97.8	61-133	
ND	98.2	61-130	
ND	96.7	63-131	
ND	98.6	63-131	
ND	97.9	63-131	
	92.3	70-130	
	ND ND ND	ND 97.8 ND 98.2 ND 96.7 ND 98.6 ND 97.9	ND 97.8 61-133 ND 98.2 61-130 ND 96.7 63-131 ND 98.6 63-131 ND 97.9 63-131

Matrix Spike Dup (2413054-MSD1)				Source:	E403245-	03	Prepared: 03	3/26/24 Analyzed: 03/28/24
Benzene	4.79	0.0250	5.00	ND	95.9	54-133	3.17	20
Ethylbenzene	4.77	0.0250	5.00	ND	95.3	61-133	2.61	20
Toluene	4.77	0.0250	5.00	ND	95.3	61-130	3.01	20
o-Xylene	4.69	0.0250	5.00	ND	93.8	63-131	3.09	20
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	2.87	20
Total Xylenes	14.3	0.0250	15.0	ND	95.1	63-131	2.94	20
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:15:14PM

Carlsbad NM, 88220		Project Manager		lbert Moreno				:	3/29/2024 12:15:14PM
	Non	halogenated	Organics l	by EPA 801	5D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2413054-BLK1)							Prepared: 0	3/26/24 Aı	nalyzed: 03/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
LCS (2413054-BS2)							Prepared: 0	3/26/24 Aı	nalyzed: 03/28/24
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
Matrix Spike (2413054-MS2)				Source:	E403245-	03	Prepared: 0	3/26/24 Aı	nalyzed: 03/28/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.4	70-130			
Matrix Spike Dup (2413054-MSD2)				Source:	E403245-	03	Prepared: 0	3/26/24 Aı	nalyzed: 03/28/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130	2.26	20	

8.00

7.61

95.1

70-130



WPX Energy - Carlsbad	Project Name:	RDX 21-21	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	3/29/2024 12:15:14PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno	1			į.	3/29/2024 12:15:14PN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413081-BLK1)							Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.3		50.0		88.5	50-200			
LCS (2413081-BS1)							Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike (2413081-MS1)				Source:	E403237-0	01	Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	317	25.0	250	48.4	107	38-132			
urrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2413081-MSD1)				Source:	E403237-0	01	Prepared: 0	3/27/24 An	alyzed: 03/27/24
Diesel Range Organics (C10-C28)	324	25.0	250	48.4	110	38-132	2.14	20	
urrogate: n-Nonane	47.8		50.0		95.6	50-200			



Matrix Spike Dup (2413057-MSD1)

Chloride

1220

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 01	DX 21-21 1058-0007 ilbert Moreno				3	Reported: 5/29/2024 12:15:14PM
		Anions	s by EPA 3	300.0/9056 <i>A</i>	1				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 (2413057-BLK1)							Prepared: 0	3/26/24 An	alyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413057-BS1)							Prepared: 0	3/26/24 An	alyzed: 03/27/24
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2413057-MS1)				Source:	E403237-	04	Prepared: 0	3/26/24 An	alyzed: 03/27/24
Chloride	1240	40.0	250	1040	80.9	80-120			

250

40.0

Source: E403237-04

73.4

80-120

1.52

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.



Prepared: 03/26/24 Analyzed: 03/27/24

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 21-21	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	03/29/24 12:15

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.



က
of 1
12
age
ñ

disposed of at the disposed of at the disposed of the disposed	ne client expense. ort.	The repo	rt for the ana	lysis of t	the]	
(3)	en	Vi	ro	t	e	C	

55.5	nformatio							hain of Cu		8												Page
Client: W	/PX Energ	y Permia	n, LLC		all p	Ві	II To		1018	No.	La	b Us	e Onl	ly	N. N.	(All			TA	\T	EPA P	rogran
Project: I	RDX 21-2:	l			A	Attention: Jim Raley			Lab	WO#			Job N	Num	ber		1D	2D	3D	Standard	CWA	SDW
Project N	/lanager:	Gilbert N	1oreno			Address: 5315 Buena	Vista Dr.		EL	103	24	2	00	58-	00	F0				5 Day TAT		
	13000 W					City, State, Zip: Carlsh		0					Analys	sis ar	nd Me	ethod	1					RCI
	e, Zip_Oc		79765		P	hone: 575-885-7502				by												
C 10 1 10 10 10 10 10 10 10 10 10 10 10 1	32-541-7	40/6°-10 (0)(C)				mail: jim.raley@dvn	.com] !	ORC			1								State	
	evon-tear				_	VBS/WO: 21276304				RO/	21	0	0	0.0		ion	Σ		¥	NM CC	UT AZ	TX
Collected	by: Gilbe	ert More	no		11	ncident ID: nAPP240	0432622		£.	3/02	y 80	/ 826	601	le 30		/An				×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC		Remarks	5
11:50	3.21.24	S	1			SW03		1	0-5'								X					
12:00	3.21.24	S	1			SW04		2	0-5'								Х					
							The state of the s															
					/																	
		Doct	6																			
	6	w									-											
-																						
Addition	al Instruc	tions:																				
						ware that tampering with or		pelling the san	nple lo	cation,		- 1								ceived on ice the da ess than 6 °C on sub		pled or
Relinquish	ad)by: (Sign	ature)	Date 3.	22.24 Time	15	Received by: Signat	urte	Date 3.11.1	H	Time	119	,	Rece	havi	on i	ce.	-	ab Us	e On	ly		
	d by: (Sign	ature)	Date 2:7	2.24 Time	3	Received by: (Signat	ure	325	24	Time	SC.		T1		On I		T2	٠ ' ر		Т3		
Relinquish	ed by: (Sign	ature)	Date	Time		Received by: (Signat	ure)	Date	- \	Time	~			Ton	n °C		1					
								Container					AVG	_			<u>.</u>					



envirotech Inc.

Printed: 3/26/2024 3:26:53PM

Envirotech Analytical Laboratory

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:	03/25/24	10:00		Work Order ID:	E403242
Phone:	(539) 573-4018	Date Logged In:	03/26/24	09:54		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:		17:00 (4 day TAT)		Logged in 2).	
1. Does to 2. Does to 3. Were s	Custody (COC) the sample ID match the COC? the number of samples per sampling site location mat amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, requesting the control of the		Yes Yes Yes Yes	Carrier: <u>C</u>	ourie <u>r</u>		
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssic furn Around Time (TAT)	the field,	Yes	ſ		Comment	s/Resolution
	e COC indicate standard TAT, or Expedited TAT?		Yes				
8. If yes,9. Was th10. Were11. If yes	sample cooler received? was cooler received in good condition? e sample(s) received intact, i.e., not broken? custody/security seals present? , were custody/security seals intact?		Yes Yes Yes No NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>				
14. Are a 15. Are V 16. Is the 17. Was a 18. Are n 19. Is the Field Lai 20. Were	Container queous VOC samples present? /OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? on-VOC samples collected in the correct containers; appropriate volume/weight or number of sample contained bel field sample labels filled out with the minimum info ample ID? Date/Time Collected? Collectors name?	ners collected?	No NA NA NA Yes Yes				
21. Does 22. Are s 24. Is lab Multipha 26. Does	Preservation the COC or field labels indicate the samples were prample(s) correctly preserved? filteration required and/or requested for dissolved mase Sample Matrix the sample have more than one phase, i.e., multiphase, does the COC specify which phase(s) is to be analy	netals? se?	No NA No				
Subconti 28. Are s 29. Was a	ract Laboratory amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	ry?	NA No NA	Subcontract Lab:	: NA		
Client In	<u>nstruction</u>						

Date

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

APPENDIX G

Correspondence & Notifications

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



Erick Herrera

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Monday, March 11, 2024 8:51 AM

To: Raley, Jim

Cc: Devon-Team; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD

Subject: Extension Request RDX 21-21 - nAPP2400432622

RE: Incident #NAPP2400432622

Jim,

Your request for a 90-day extension to **June 10th, 2024,** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim < Jim.Raley@dvn.com> Sent: Monday, March 11, 2024 6:08 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Cc: Devon-Team < Devon-Team@etechenv.com >

Subject: [EXTERNAL] Extension Request RDX 21-21 - nAPP2400432622

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

Robert,

WPX respectfully asks for a 90 day extension for incident# nAPP2400432622. This was a small 5bbl release on the RDX 21-21 well pad (30-015-41267) that occurred on 12/28/2023. We have delineated and planned our remediation and are currently in the process of dispatching contractors to excavate and bring this incident to closure.

Jim Raley | Environmental Professional - Permian Basin 5315 Buena Vista Dr., Carlsbad, NM 88220 C: (575)689-7597 | jim.raley@dvn.com



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

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

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

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

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

QUESTIONS

Action 302170

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	302170
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400432622
Incident Name	NAPP2400432622 RDX FEDERAL 21 #021 @ 30-015-41267
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41267] RDX FEDERAL 21 #021

Location of Release Source	
Site Name	RDX FEDERAL 21 #021
Date Release Discovered	12/28/2023
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,317	
What is the estimated number of samples that will be gathered	35	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2024	
Time sampling will commence	08:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno with any questions at (432)305-6414	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd and Pipeline Rd, head east on Pipeline Rd for approximately 3.34 miles; head south for approximately 0.95 miles; head east 0. 76 miles; head south for approximately 0.56 miles; turn right for approximately 0.43 miles; turn left for approximately 0.28 to reach the RDX 21-21 Well pad (32.0307, -103.8917)	

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

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

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

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

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

CONDITIONS

Action 302170

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	302170
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By		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.	1/10/2024

District III

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

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

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

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

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

QUESTIONS

Action 303869

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	303869
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400432622
Incident Name	NAPP2400432622 RDX FEDERAL 21 #021 @ 30-015-41267
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41267] RDX FEDERAL 21 #021

Location of Release Source	
Site Name	RDX FEDERAL 21 #021
Date Release Discovered	12/28/2023
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,317	
What is the estimated number of samples that will be gathered	35	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/19/2024	
Time sampling will commence	08:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno with any questions at (432)305-6414	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd and Pipeline Rd, head east on Pipeline Rd for approximately 3.34 miles; head south for approximately 0.95 miles; head east 0. 76 miles; head south for approximately 0.56 miles; turn right for approximately 0.43 miles; turn left for approximately 0.28 to reach the RDX 21-21 Well pad (32.0307, -103.8917)	

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

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

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

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

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

CONDITIONS

Action 303869

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	303869
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition	Condition
Ву		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.	1/16/2024

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

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

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

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

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

QUESTIONS

Action 324563

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	324563
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400432622
Incident Name	NAPP2400432622 RDX FEDERAL 21 #021 @ 30-015-41267
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41267] RDX FEDERAL 21 #021

Location of Release Source	
Site Name RDX FEDERAL 21 #021	
Date Release Discovered	12/28/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,396
What is the estimated number of samples that will be gathered	16
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd and Pipeline Rd, head east on Pipeline Rd for approximately 3.34 miles; head south for approximately 0.95 miles; head east 0.76 miles; head south for approximately 0.43 miles; turn left for approximately 0.28 to reach the RDX 21-21 Well pad (32.0307, -103.8917)

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

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

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

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

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

CONDITIONS

Action 324563

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	324563
	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.	3/19/2024

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

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

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

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

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

QUESTIONS

Action 337575

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	337575
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400432622
Incident Name	NAPP2400432622 RDX FEDERAL 21 #021 @ 30-015-41267
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41267] RDX FEDERAL 21 #021

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX FEDERAL 21 #021
Date Release Discovered	12/28/2023
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 5 BBL Recovered: 2 BBL Lost: 3 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

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

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

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Ea NIM 97505

QUESTIONS, Page 2

Action 337575

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	1 Fe, INIVI 67505
OUESTI	ONS (continued)
Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289 Action Number:
QUESTIONS	[o 111] Namoulation Global of Transport of T
Nature and Volume of Release (continued)	
	T
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
In Wal Danier	
Initial Response	rafaty hazard that would requit in injury
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.
	I ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 01/04/2024

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

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

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

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

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

QUESTIONS, Page 3

Action 337575

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	337575
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd 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)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Yes sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes No		
Ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes		
Yes		
No.		
110		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
19100		
2190		
1290		
0		
0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
03/19/2024		
03/21/2024		
03/20/2024		
2047		
305		
2396		
136		
me of submission and may (be) change(d) over time as more remediation efforts are completed.		
5		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

Bistrict III

Bistrict St., Artesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720

District III

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

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

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

QUESTIONS, Page 4

Action 337575

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	337575
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement

Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/25/2024

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.

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

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

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

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

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

QUESTIONS, Page 5

Action 337575

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	337575
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

District III

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

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

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

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

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

QUESTIONS, Page 6

Action 337575

QUESTIONS	(continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	337575
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	324563
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2024
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	2396

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	2396	
What was the total volume (cubic yards) remediated	136	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.	

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

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: EHS Professional
Email: jim.raley@dvn.com
Date: 04/25/2024

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

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

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

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

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

QUESTIONS, Page 7

Action 337575

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory Oklahoma City, OK 73102	Action Number: 337575
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 337575

CONDITIONS

Operator:	OGRID:	
WPX Energy Permian, LLC	246289	
Devon Energy - Regulatory	Action Number:	
Oklahoma City, OK 73102	337575	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created E	y Condition	Condition Date
rhamle	We have received your Remediation Closure Report for Incident #NAPP2400432622 RDX FEDERAL 21 #021, thank you. This Remediation Closure Report is approved.	5/10/2024