

DEFERRAL REQUEST REPORT

RDX 16 #008

Eddy County, New Mexico
Incident Number
nAPP2307930900

Prepared for:

WPX Energy Permian, LLC.

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



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Deferral Request Report (DRR) detailing corrective actions and subsequent soil sampling events conducted in accordance with an approved Remediation Work Plan (RWP), for an inadvertent release of crude oil and produced water at the RDX 16 #008 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting to defer residual impacted soil within an earthen bermed tank battery containment (TB containment) and No Further Action (NFA) until the Site undergoes major deconstruction or plugging and abandonment (P&A), whichever comes first.

SITE LOCATION AND BACKGROUND

The storage tanks for the well (API 30-015-39751), where the release occurred, are located in Unit H, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.04507°, -103.88068°) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A**).

As documented in the RWP, a storage tank overflow resulted in approximately 4 barrels (bbls) of crude oil and 30 bbls of produced water to be released within the TB containment. Vacuum trucks were immediately dispatched and recovered approximately 2 bbls of crude oil and 25 bbls of produced water. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on March 20, 2023, and was subsequently assigned Incident Number nAPP2307930900. **Figure 2** in **Appendix A** depicts the observed release, hereafter referred to as the Area of Concern (AOC).

A RWP was prepared by Etech, to attempt vertical delineation within the TB containment and continue lateral delineation around the AOC. hereafter referred to as the Area of Concern (AOC). The RWP was approved on November 14, 2023, by the NMOCD with the following condition:

- The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within a 100-year floodplain, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.

Upon completion of the work proposed in the RWP, WPX requested a 30-day extension to provide sufficient time to review and compile data, field summaries and to submit a formal report. A 90-day extension was granted by the NMOCD for May 13, 2024.

Upon further review of the compiled data and field summaries from above, WPX deemed the continuation of remediation activities to the AOC necessary. To provide sufficient time for these remediation activities and preparation of a formal report, WPX requested a final 90-day extension, granted by the NMOCD for August 6, 2024.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Deferral Request Report Incident Number nAPP2307930900 RDX 16 #008

pg. 1



- 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.

Based on the results from the desktop review detailed in the approved RWP, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [↑]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B/ 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B/ 8260B	50 mg/kg

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

Receptor details and sources used to determine the Site characterization are included in **Figure 1A**, **Figure 1B**, and **Figure 1C** in **Appendix A**. Referenced well records are provided as **Appendix B**.

DELINEATION SOIL SAMPLING ACTIVITIES

On January 18, 2024, Etech conducted continued delineation activities to further assess the AOC as per the approved RWP. Five delineation locations (BH01 through BH05) were further advanced via hand auger and/or mechanical equipment within and around the AOC until the terminus soil sample was compliant with Site Closure Criteria as determined by field screening soil samples for volatile organic hydrocarbons (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips and/or until equipment limitations restricted further advancement. Sampling locations BH01 through BH03, and BH05 were advanced to a total depth of 20 feet below ground surface (bgs) via mechanical equipment. Due to limitation of access associated with above ground equipment, surface, subsurface lines and utilities, and to prevent unnecessary disturbance of native vegetation, BH04 was not advanced further via mechanical equipment. A minimum of two soil samples were collected per sampling location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Attachment C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Attachment 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 Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.



DELINATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all delineation soil samples collected surrounding the AOC were below the applicable Site Closure Criteria and/or reclamation standard.

Laboratory analytical results for delineation soil samples indicated elevated chloride concentrations existed within the AOC up to 18 feet bgs within the vicinity of BH01 (characterized by concentrations ranging from 666 mg/kg to 5,290 mg/kg) and represent residual impacts left in place existing from ground surface up to 18 feet bgs. TPH and BTEX concentrations were below Site Closure Criteria for all soil samples collected from within the AOC, except BH06 at 0.5-foot bgs for TPH.

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**.

EXCAVATION SOIL SAMPLING ACTIVITIES

On March 22, 2024, Etech collected 5-point composite confirmation soil samples within the AOC representing no greater than 200 square feet from the floors (FS01 through FS14) and sidewalls (SW01 and SW02) as required by the NMOCD. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Confirmation soils samples were handled and analyzed as previously described. The locations of the confirmation soil samples are shown in **Figure 3** in **Appendix A**.

Laboratory analytical results for confirmation soil samples floors collected from within the TB containment indicated unexpected, elevated concentrations of TPH. Due to the presence of TPH concentrations ranging from to 1,568 mg/kg to 17,240 mg/kg, additional remediation efforts were warranted outside the original scope of work outlined in the approved RWP.

From May 20, 2024, through May 24, 2024, Etech oversaw excavation activities to remove the highest concentrations of residual impacts based on confirmation soil samples FS01 through FS14 via hand digging. The excavation was cautiously advanced to approximately 0.5 feet bgs to reduce the potential risk of structural destabilization of aboveground equipment, surface and subsurface lines or utilities, and protection of on-site personnel. The excavation was driven by field screening soil for VOCs and chloride as previously described.

Following the removal of impacted soil, Etech collected 5-point composite confirmation soil samples from the floors of the excavation (FS01 through FS14) at a sampling frequency of 200 square feet. The composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were collected, handled and analyzed as previously described.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated an significant trend of decreasing TPH concentrations with depth throughout the TB containment, however, laboratory analytical results indicated a general increase in chloride concentrations with the increase of soil sample depth. As such, WPX warranted additional efforts to conduct additional delineation to characterize residual impacts within the TB containment and advance the excavation to the Maximum Extent Practical (MEP). It should be noted, that due to high sample volumes, Envirotech contracted Alamo Analytical Laboratories (Alamo) in San Antonio, Texas, to assist with the analyses of multiple soil samples. All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy for the lab



CONTINUED DELINEATION SOIL SAMPLING ACTIVITIES

On June 21, 2024, Etech continued delineation soil sampling to further characterize residual impacts within the TB containment. Delineation was driven by field screening soil samples for VOCs and chloride, as described above. Three additional delineation borings (BH07 through BH09) were advanced to 8 feet bgs via hand auger, where hand auger limitations restricted further advancement and above ground equipment restricted further advancement with heavy equipment. However, the presence of surface and subsurface utilities prevented the further advancement by means of mechanical equipment. A minimum of two soil samples per sampling location were collected, handled, and analyzed by an accredited laboratory, adhering to the same procedure described above. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Attachment C**. The locations of the delineation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Attachment D**.

CONTINUED DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples (BH07 through BH09) indicated TPH and BTEX were below Site Closure Criteria for all soil samples; laboratory analytical results for delineation soil samples (BH07 through BH09) indicated elevated chloride concentrations steadily decreased from ground surface to 8 feet bgs. 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**.

CONTINUED EXCAVATION SOIL SAMPLING ACTIVITIES

From June 28, 2024, through July 1, 2024, Etech resumed oversight of excavation activities to remove accessible residual impacts within the TB containment to the MEP. As such, the excavation within the TB containment was advanced to approximately 2-feet bgs to 4-feet bgs to reduce the potential risk of structural destabilization of aboveground equipment, surface and subsurface lines or utilities, and protect on-site personnel. Following additional soil removal, composite confirmation excavation soil samples were collected from the new excavation floors and sidewalls, handled, and analyzed as previously described. The locations of the final confirmation excavation soil samples are shown in **Figure 3** in **Appendix A**.

Approximately 130 cubic yards (CY) of residual impacted soil was removed from the Site and transported to R360 Red Bluff in Orla, Texas 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**.

FINAL EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples collected from within the TB containment indicated TPH-GRO + TPH-DRO/TPH concentrations were compliant with applicable Site Closure Criteria; laboratory analytical results indicated a general decreasing trend of chloride concentrations in comparison to the shallower excavation soil samples at 0.5-foot bgs. Residual impacts left in place within the containment are characterized chloride concentrations ranging from 695 mg/kg to 19,100 mg/kg.

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**.



DEFERRAL REQUEST

Based on laboratory analytical results from confirmation excavation and delineation soil sampling events, residual impacts associated with the AOC have been delineated, excavated to the MEP, and removed from the Site. The MEP was excavated surrounding all surface and/or subsurface pipelines and production equipment adhering to WPX's safety precautions and encroachment regulations to ensure the health and safety of on-site personnel and for structural integrity of utilities. As such, residual impacts appear to solely reside below the TB containment up to 18 feet bgs based on delineation laboratory analytical results for BH01, and the laboratory analytical results for horizontal delineation soil samples BH02 through BH05 (**Figure 4** in **Appendix A**). WPX requests to defer FS01 through FS14, ranging from 2 feet to 4 feet bgs, and the remainder of residual impacted soil within the TB containment unable to be excavated at this time.

WPX believes the initial response efforts and other completed remedial actions have mitigated impacts at the Site and meet the Deferral requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater. Impacted soil is shallow within the TB containment, relative to the depth to groundwater, which was determined to be greater than 100 feet bgs, based off a nearby, dry soil boring (MW-1), advanced on December 16, 2020, via truck mounted drill rig equipped with hollow stem auger to a total depth of 110 feet bgs. As such, WPX respectfully requests deferral of up to 1,866 CY of residual impacted soil lying beneath the TB containment until the Site undergoes major facility deconstruction or P&A, whichever comes first.

NFA appears warranted at this time and Incident Number nAPP2307930900 should be respectfully considered for Deferral 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 Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or joseph@etechenv.com or <a hr

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Herrera Project Geologist

Eriel #

cc: Jim Raley, WPX

New Mexico Oil Conservation Division

State Land Office

Joseph S. Hernandez Senior Managing Geologist



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: Deferral Area

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

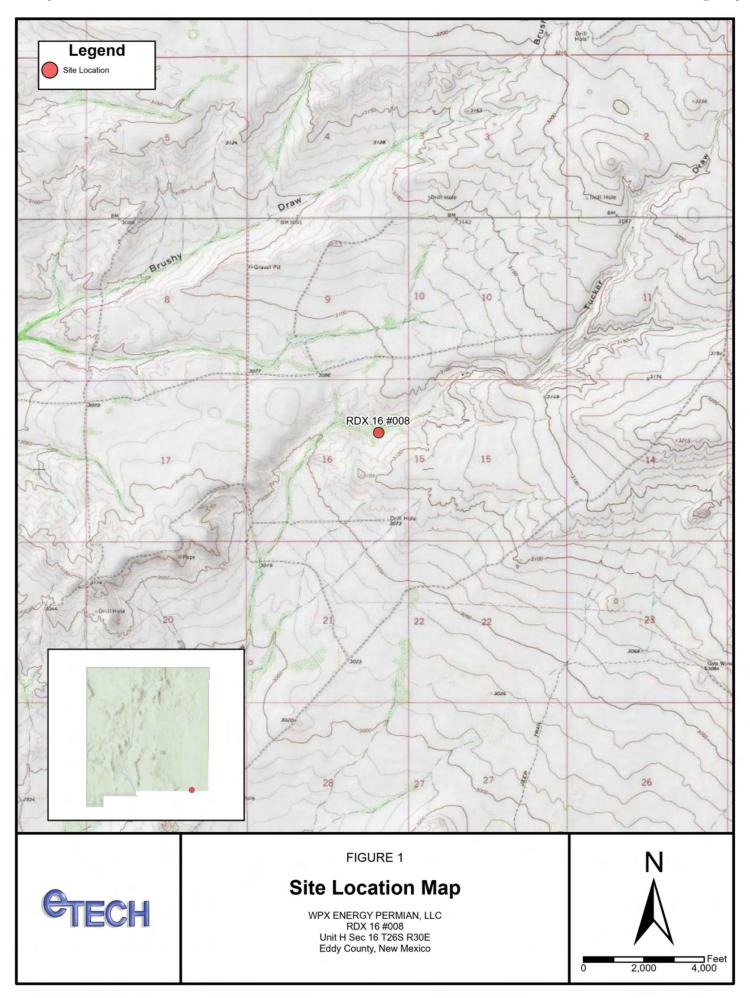
Appendix G: Correspondence & Notifications

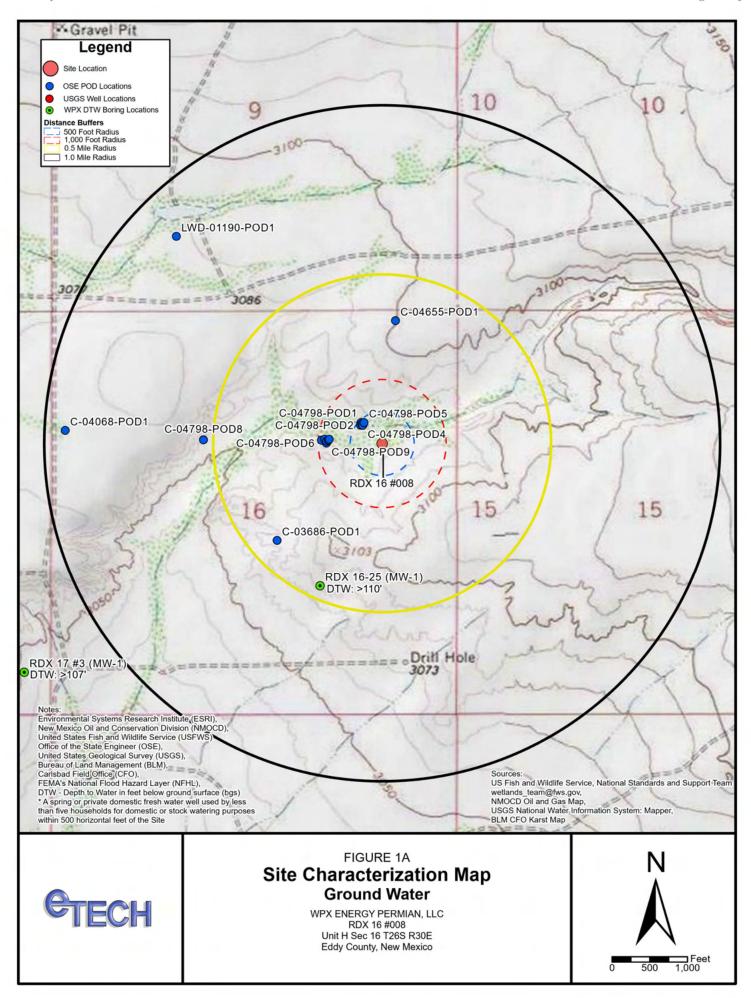
Appendix H: Archived Reports

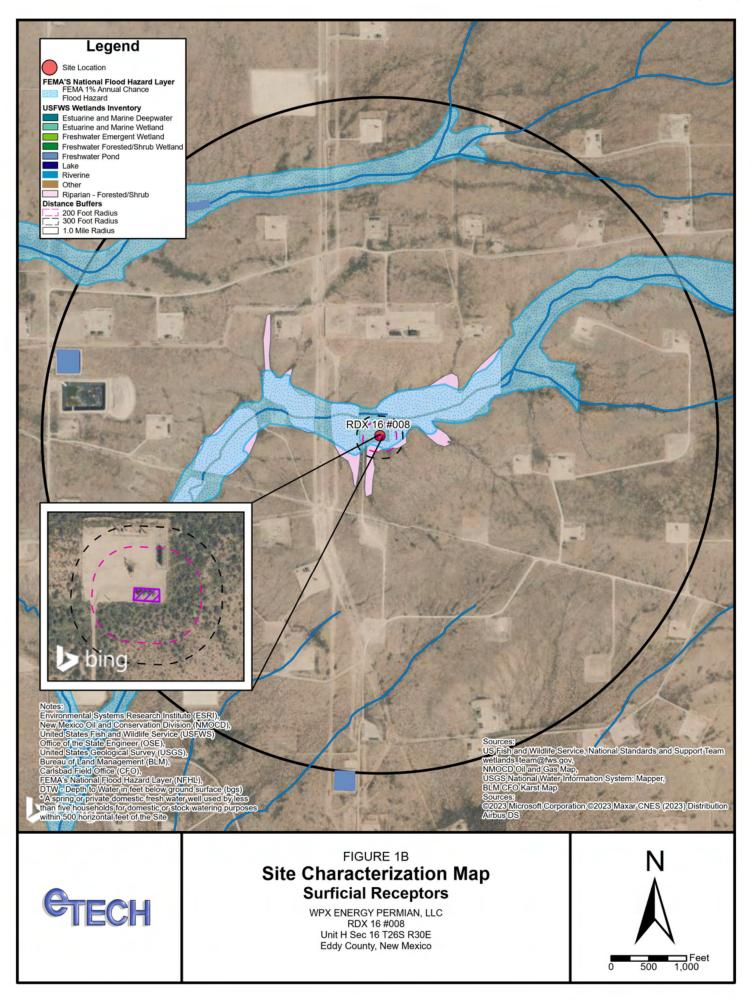
APPENDIX A

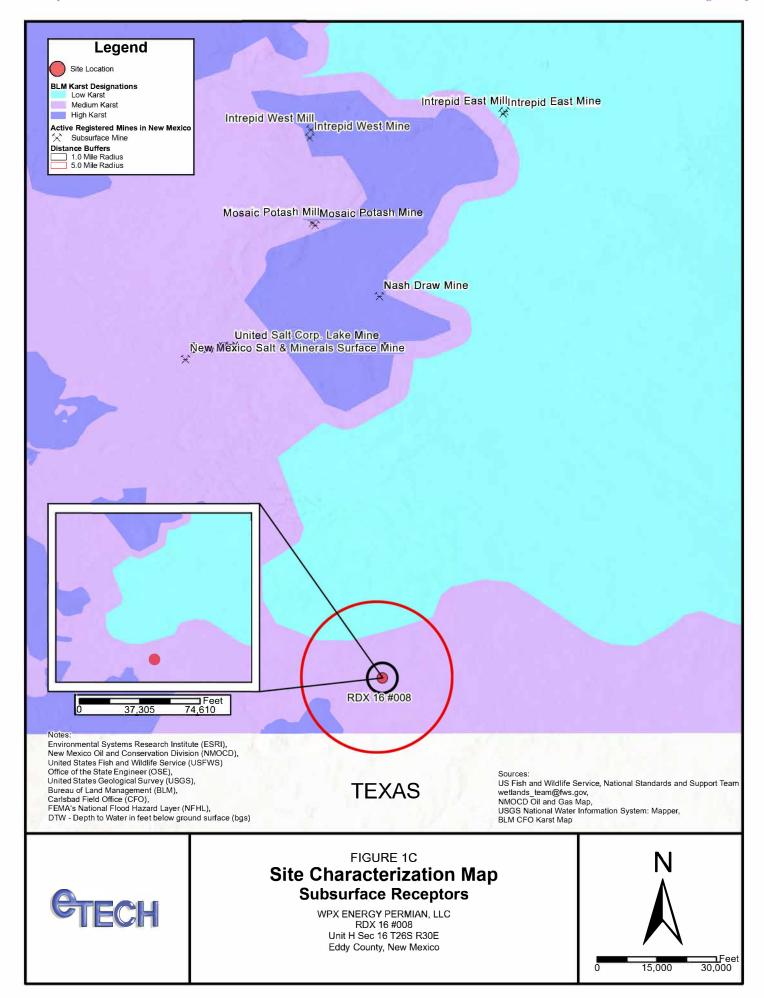
Figures

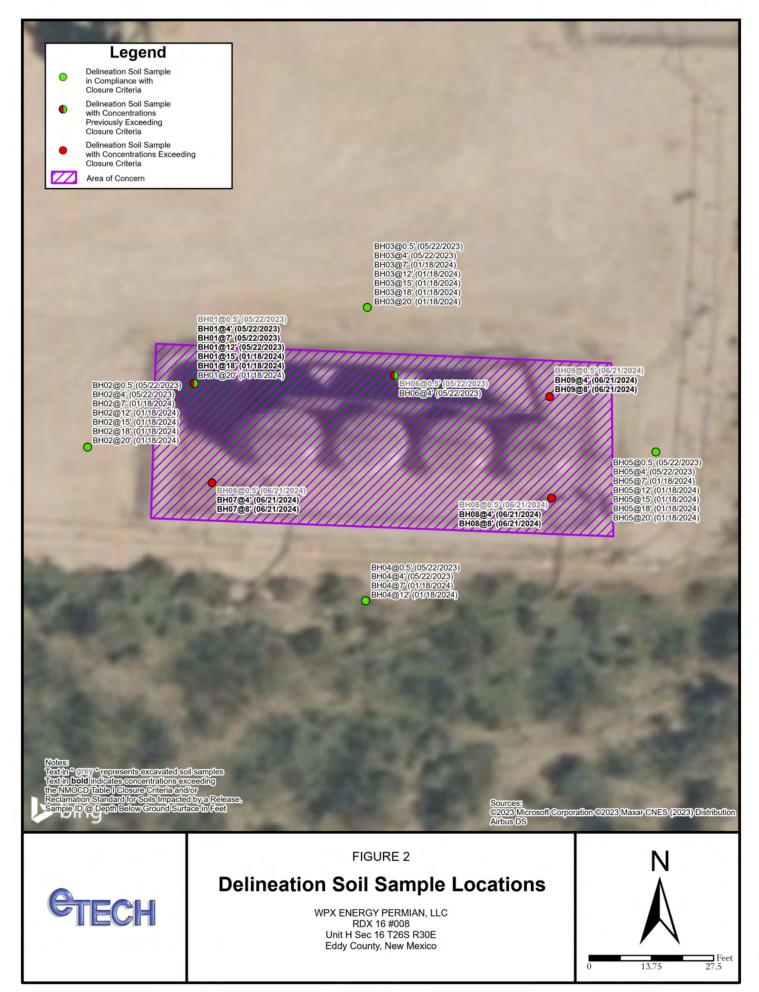


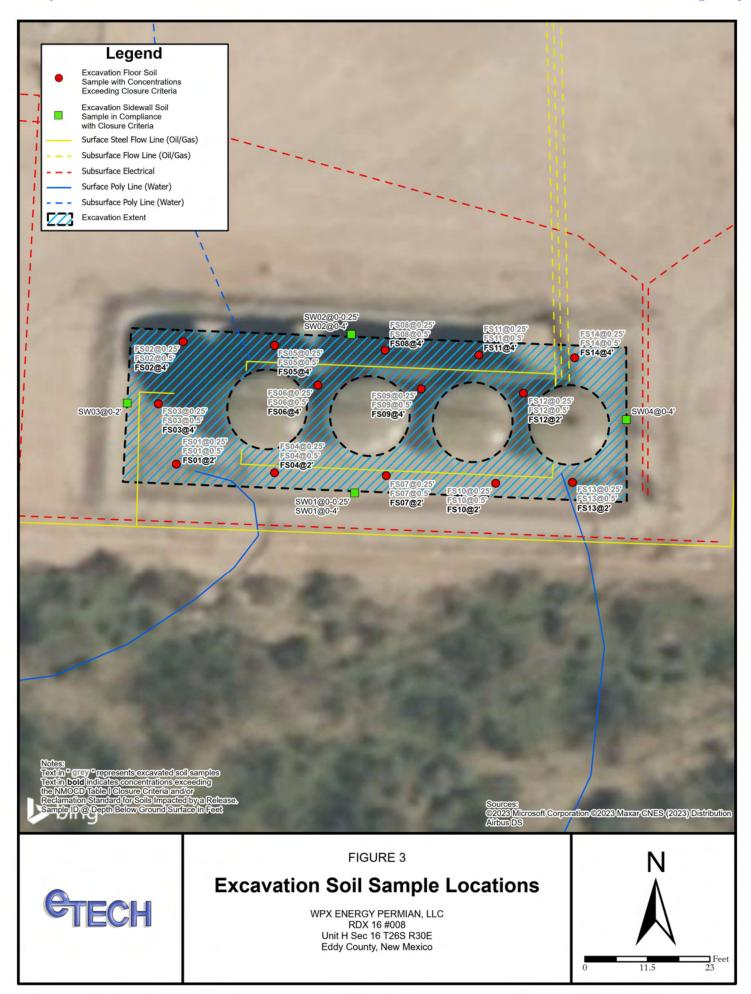


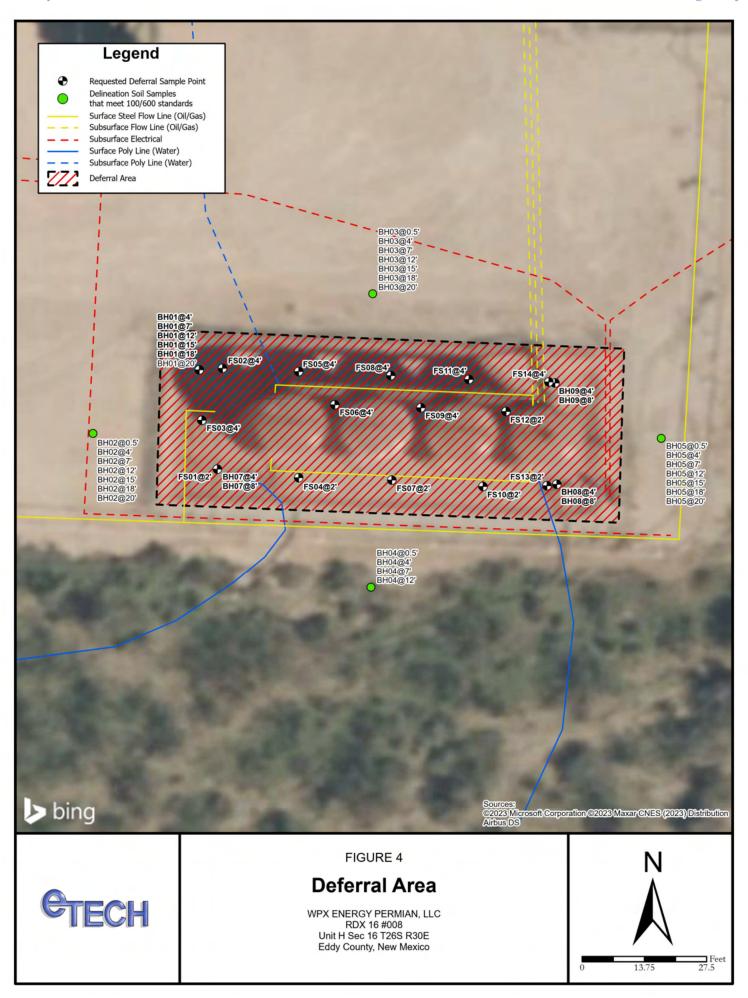












APPENDIX B

Referenced Well Records

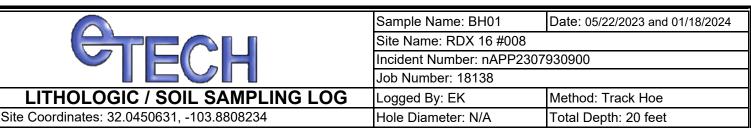


		HR	ı						MONITORING W	ELL COMPLETION	N DIAC	GRA	M
		100000	MPL	ΙΔΝ	CE		Boring/Wel		W-1	Location: RDX 16	-25		
		SO	וווווו	וחוי	2 1		Date:			Client:			
D. 111: 14	TM	0 0		(1)	110		1 15		0/2020	WPX Energy			
Drilling Mo	ethod: Air Rotar	v	Sampling I		one		Logged By: J. Linn, PG				Drilled By: Talon LPE		
Gravel Pac		<i>y</i>	Gravel Pac	k Depth Inte			Seal Type:	0. En	Seal Depth Interval:	Latitude:	1 2	I L	
	0/20 san				ags			lone	None	32.0399004			
Casing Typ PVC	e:	Diameter:		Depth Inter			Boring Tota	al Depth (ft. BG		Longitude:	2260		
Screen Typ	oe:	2-inch Slot:		0-105 fe		Interval:	Well Total	1 1 Depth (ft. BGS)		-103.883. Depth to Water (ft. BTOC):	DTW Dat	te:	
PVC		0.010-ir	nch	2-inch	-	110 ft		11		> 110	12/10		20
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	NSCS	Sample ID	Litholog	y/Remarks	W Comj	Vell pletio	on
0 5 10 15 20	NM	L	D	N	N	NM	SW	NS		nk tan well graded vith silt			
25 30 35	NM	L	D	N	N	NM	SP	NS		poorly graded fine	T T		
40	NM	L	D	N	N	NM	SW	NS		d well graded sand gravel	†		
50 55	NM	L	D	N	N	NM	SP	NS		poorly graded fine and			
60 65 70 75 80 85 90 95 100 105	NM	L	D	N	N	NM	SP	NS	sand with minor i	poorly graded fine nedium and coarse D: 110' bgs			

APPENDIX C

Lithologic Sampling Logs





Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth	(feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	4,060	0.0	No	BH01	0.5	-	0	CCHE	(0-1') Pad surface CALICHE, dry, no staining, no odor.
Dry	656	0.0	No	Diloi	1	‡	•	SW-SM	(1-2') SAND, dry, brown, well graded with silt and
Dry	356	0.0	No		2	<u> </u>		SP-SM	some small gravel, very fine to coarse grain, no staining, no odor.
Dry	656	0.0	No		3	-			(2-20') SAND, dry, light brown, poorly graded with trace small
Dry	1,046	0.0	No	BH01	4	<u> </u>			gravel, very fine to fine grain, no stain, no odor.
Dry	1,696	0.0	No		5	+	5		
Dry	1,208	0.0	No		6	<u> </u>			
Dry	656	0.0	No	BH01	7	<u> </u>			
Dry	904	0.0	No		8	<u> </u>			
Dry	972	0.0	No		9	<u> </u>			
Dry	972	0.0	No		10	<u> </u>	10		
Dry	904	0.0	No		11	<u> </u>			
Dry	972	0.0	No	BH01	12	<u> </u>			
Dry	1,944	0.0	No		14	<u> </u>			
Dry	4,764	0.5	No	BH01	15	 	15		
Dry	4,400	0.5	No		16	+			
Dry	4,400	0.5	No		16	+			
Dry	792	0.0	No	BH01	18	+			
Dry	300	0.0	No	BH01	20		20	Total	Depth

								Sample Name: BH02	Date: 05/22/2023 and 01/18/2024			
			-					Site Name: RDX 16 #008				
			F	=(, HI			Incident Number: nAPP2307930900				
		1	L					Job Number: 18138				
LI	THOL	OGIC	: / S	SOIL	SAMP	LING L	.OG	Logged By: EK	Method: Track Hoe			
Site Co	ordinate	s: 32.04	501	80, -10	3.880898	7		Hole Diameter: N/A	Total Depth: 20 feet			
									e and vapor, respectively. Chloride			
test pe	rformed v	with 1:4	dilut	ion fac	tor of soil	to distilled	l water. N	o correction factors include	d.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)		USCS/Rock Symbol		Descriptions/Notes			
						0	CCHE	(0-1') Pad surface CALICH	IE, dry, no staining, no odor.			
Dry	372	0.0		BH02	0.5	<u> </u>	CD CM	(4 001) CAND dm. limbt bro				
Dry	300	0.0	No		1	╁	SP-SIVI	 M (1-20') SAND, dry, light brown, poorly graded with some sil very fine to fine grain, trace small gravel, no stain, 				
Dry	356	0.0	No		2 -	+		no odor.	ii, trace sinali gravel,no stairi,			
,					•	Ť						
Dry	268	0.0	No		3	_						
D	-100	0.0	NIa	DLIOO	, -	<u> </u>						
Dry	<120	0.0	INO	BH02	4	5						
					_	├ ॅ						
						Ť						
						Ţ						
_						<u> </u>						
Dry	<120	0.0	No	BH02	7	+						
					_	+						
						1						
					_	Ť						
					_	<u> </u>						
						10						
					_	╀						
						†						

Released to Imaging: 9/5/2024 9:16:13 AM

0.0

0.0

0.0

0.0 No BH02

No BH02

No BH02

No BH02

12

15

18

20

15

20

Total Depth

Dry

Dry

Dry

Dry

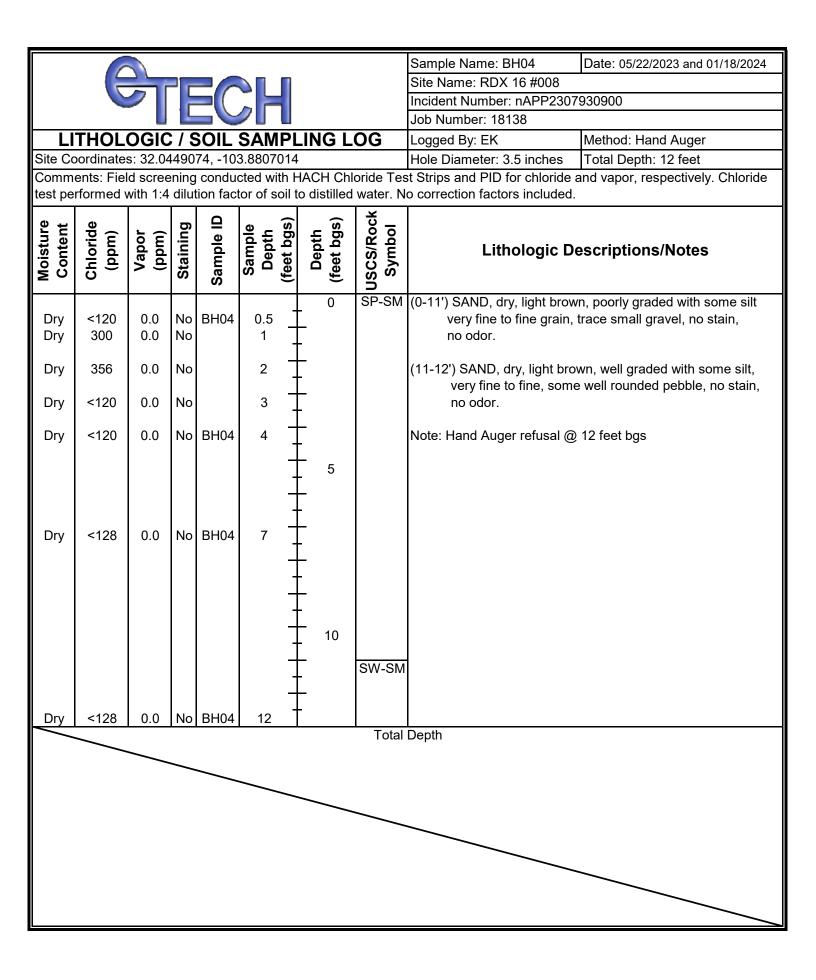
<128

<128

<128

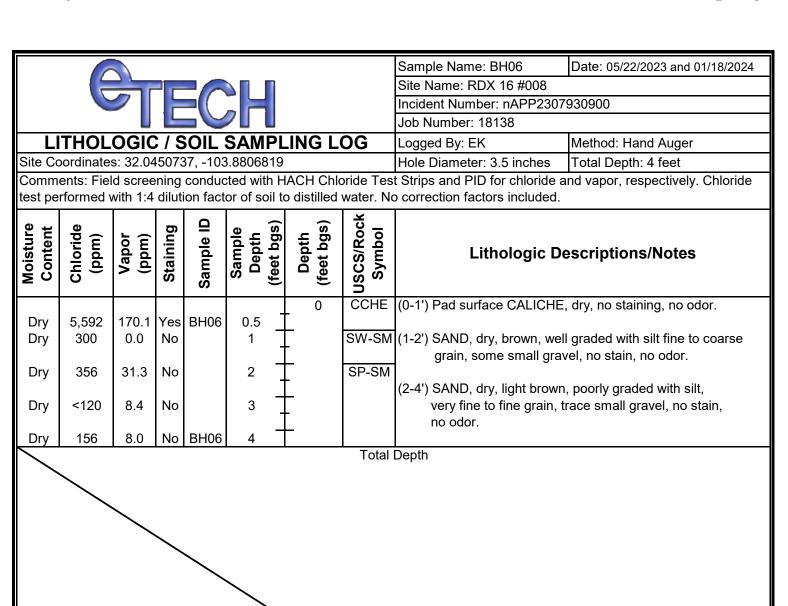
300

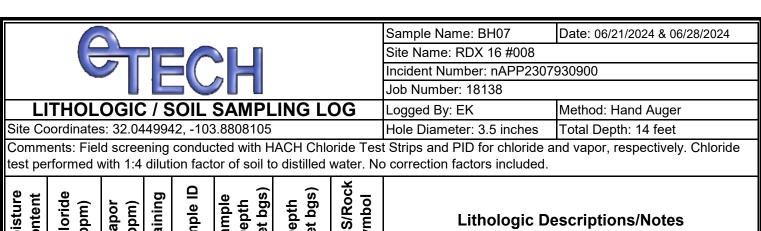
									Sample Name: BH03 Date: 05	5/22/2023 and 01/18/2024
		7							Site Name: RDX 16 #008	
			H	=((Incident Number: nAPP2307930900	
		ı	L			<u> </u>			Job Number: 18138	
LI	THOL	OGIC	; / §	SOIL	SAMP	LING	L(OG	Logged By: EK Method	Track Hoe
					3.880699					epth: 20 feet
									t Strips and PID for chloride and vapo	r, respectively. Chloride
test pe	rformed \	with 1:4	dilu	tion fac	tor of soil	to disti	lled		correction factors included.	
Moisture Content								1	Lithologic Descript	
D	000	0.0	 NI =	DLIOO	0.5	<u></u> 0)	CCHE	(0-1') Pad surface CALICHE, dry, no	staining, no odor.
Dry Dry	236 300	0.0 0.0	No No	BH03	0.5 1	+		SP-SM	(1-20') SAND, dry, light brown, poorly	graded with some silt
Di y	550	0.0	10		'	†		OI OIVI	very fine to fine grain, trace sm	
Dry	ry 356 0.0 No 2 🛨								no odor.	- ' '
Dny										
Dry	<120	0.0	No		3	+				
Dry	<120	0.0	No	BH03	4	İ				
						<u> </u>				
Dry	<128	0.0		вноз	7 - -	T + + + + + T				
Dry	<128	0.0	No	ВН03	12	10 -	0			
Dry Dry	<128 <128	0.0	No No	BH03	-	15	5			
Dry	300	0.0	No	BH03	20	20	0			
	-	-		•	-	-		Total	Depth	



									Sample Name: BH05	Date: 05/22/2023 and 01/18/2024
]			Site Name: RDX 16 #008	•
			ŀ	=((Incident Number: nAPP2307	7930900
		<u> </u>	_						Job Number: 18138	
	THOL						G L	<u>OG</u>	Logged By: EK	Method: Track Hoe
	ordinate								Hole Diameter: N/A	Total Depth: 20 feet
										and vapor, respectively. Chloride
iesi pe	riormea v	MILN 1:4	allu	lion iac	tor of soil	TO dis	unea	1	o correction factors included.	
Moisture Content									-	escriptions/Notes
	.400		l	DUIGE	0.5	+	0	CCHE	(0-1') Pad surface CALICHE	, dry, no staining, no odor.
Dry Dry	<120 300	0.0 0.0	No No	BH05	0.5 1	+		SP-SM	(1-20') SAND dry light brow	n, poorly graded with some silt
υίγ	300	0.0	INU		1	+		3F -3W	, ,	trace small gravel,no stain,
Dry	Dry 356 0.0 No 2 ±								no odor.	<u> </u>
Dry	Dry <120 0.0 No 3 T									
Dry	<120	0.0	No	BH05	4	+				
	0					<u> </u>				
Dry	<120	0.0	No	BH05	7 - -	+ + + + + + +				
Dry	<128 <128	0.0		BH05	12 - - - - - -	T 	10			
Dry	<128	0.0		BH05	18	‡ ‡				
Dry	300	0.0	Nο	BH05	20	+ :	20			
,			,				-	Total	Depth	

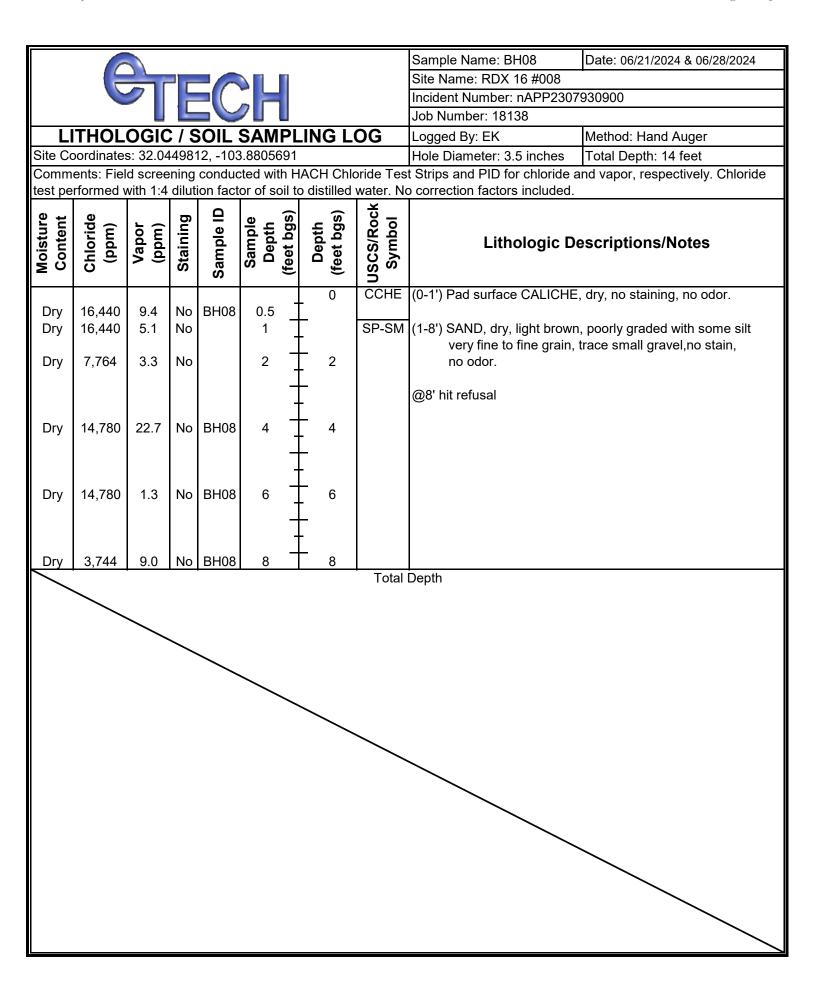
Total Depth

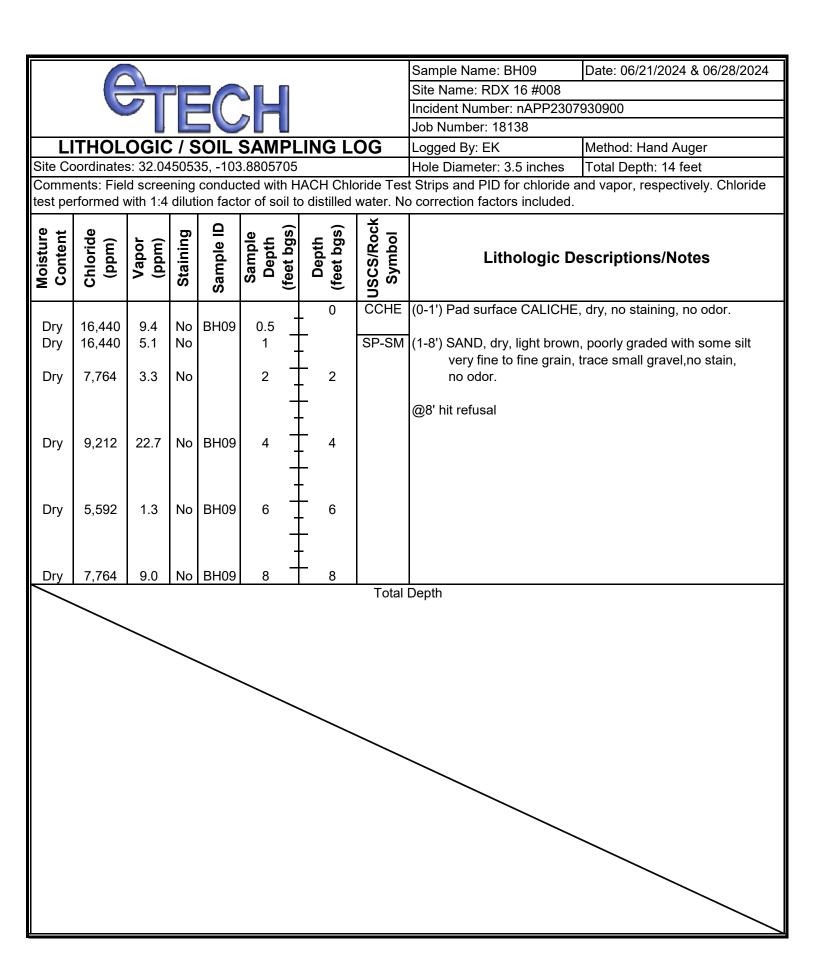




Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample II	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Roc Symbol	Lithologic Descriptions/Notes
					_	0	CCHE	(0-1') Pad surface CALICHE, dry, no staining, no odor.
Dry	16,440	0.0	No		0.5			
Dry	11,028	0.0	No		1 _	<u> </u>	SP-SM	(1-8') SAND, dry, light brown, poorly graded with some silt
						<u> </u>		very fine to fine grain, trace small gravel,no stain,
Dry	16,440	0.0	No		2 _	2		no odor.
					_	L		
					-	 		@8' hit refusal
Dry	16,440	0.0	No	BH07	_ 4	4		
Diy	10,440	0.0	140	וטווטו	-	†		
					_	<u> </u>		
					-	t		
Dry	16,440	0.2	No	BH07	6	6		
					_			
						L _		
Dry	12,116	0.0	No	BH07	8	8		

Total Depth





APPENDIX D

Photographic Log

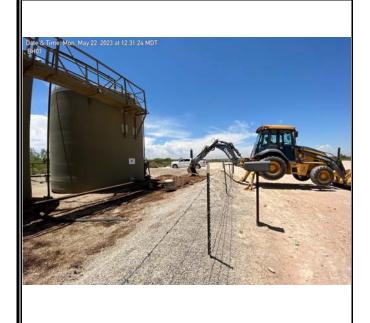




PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #008

Incident Number nAPP2307930900



Photograph 1 Date: 05/22/2023 Description: Western view during delineation

Description: Western view during delineation activities of BH01.



Photograph 3 Date: 01/18/2024 Description: Northeastern view during

delineation activities of BH05.



Photograph 2 Date: 05/22/2023 Description: Western view during delineation activities of BH02.



Photograph 4 Date: 01/18/2024 Description: Northeastern view during

delineation activities of BH04.

CTECH

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #008

Incident Number nAPP2307930900



Photograph 5 Date: 05/24/2024 Description: Southwestern view of excavation activities down to 0.5'.



Photograph 7 Date: 06/28/2024 Description: Western view of final excavation extent.



Photograph 6 Date: 06/28/2024 Description: Northwestern view of final excavation extent.



Photograph 8 Date: 07/18/2024 Description: Northwestern view of restoration activities.

APPENDIX E

Tables



GTE(Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #008 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)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I Closu Release (NMAC 19.1		ils Impacted by a	10	50	NE	NE	NE	100	600			
Delineation Soil Samples - Incident Number nAPP2307930900												
BH01	05/22/2023	0.5	<0.0250	<0.0250	<20.0	32.7	<50.0	32.7	5,290			
BH01	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,510			
BH01	05/22/2023	7	<0.0250	<0.0250	<20.0	<50.0	<50.0	<50.0	666			
BH01	05/22/2023	12	<0.0250	<0.0250	<20.0	37.4	<50.0	37.4	861			
BH01	01/18/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	4,250			
BH01	01/18/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	4,990			
BH01	01/18/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	83.7			
BH02	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	278			
BH02	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	34.1			
BH02	01/18/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH02	01/18/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH02	01/18/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH02	01/18/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH02	01/18/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH03	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	161			
BH03	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	21.8			
BH03	01/18/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	62.5			
BH03	01/18/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	61.5			
BH03	01/18/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0			
BH03	01/18/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	64.8			
BH03	01/18/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	65.3			
BH04	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	48.9			
BH04	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	49.6			
BH04	01/18/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	67.0			
BH04	01/18/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	69.4			

Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #008 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)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closu Release (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	100	600	
BH05	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0	
BH05	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0	
BH05	01/18/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	63.3	
BH05	01/18/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	65.2	
BH05	01/18/2024	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0	
BH05	01/18/2024	18	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	64.5	
BH05	01/18/2024	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	62.5	
BH06	05/22/2023	0.5	<0.0250	0.2664	<20.0	611	255	866	2,590	
BH06	05/22/2023	4	<0.0250	<0.0250	<20.0	34.4	<50.0	34.4	91.2	
BH07	06/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	11,300	
BH07	06/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	14,500	
BH07	06/21/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,670	
BH08	06/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	13,900	
BH08	06/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	2,420	
BH08	06/21/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,660	
BH09	06/21/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	12,300	
BH09	06/21/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	6,980	
BH09	06/21/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	4,290	
			Conf	irmation Soil Samples	- Incident Number na	APP2307930900				
FS01	03/22/2024	0.25	<0.0250	<0.0500	<20.0	843	885	1,728	4,470	
FS01	05/24/2024	0.5	<0.005	<0.015	<10.0	<25.0	<25.0	<50.0	8,460	
FS01	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	2,710	
FS02	03/22/2024	0.25	<0.0250	<0.0500	<20.0	1,260	1,130	2,390	3,110	
FS02	05/24/2024	0.5	<0.005	<0.015	<10.0	<25.0	<25.0	<50.0	7,520	
FS02	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,370	



e _E	Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #008 Eddy County, New Mexico Sample I.D. Sample Sample Depth (feet bgs) Benzene (mg/kg) TPH GRO (mg/kg) TPH DRO (mg/kg) TPH ORO (mg/kg) (mg/kg) Chloride (mg/kg)												
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)	Total TPH (mg/kg)	Chloride (mg/kg)				
IMOCD Table I Clos Release (NMAC 19.1		ils Impacted by a	10	50	NE	NE	NE	100	600				
FS03	03/22/2024	0.25	<0.0250	<0.0500	<20.0	849	991	1,840	3,110				
FS03	05/24/2024	0.5	<0.005	<0.015	<10.0	<25.0	<25.0	<50.0	13,000				
FS03	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	2,930				
FS04	03/22/2024	0.25	<0.0250	<0.0500	<20.0	1,910	1,890	3,800	6,610				
FS04	05/24/2024	0.5	<0.005	<0.015	<10.0	<25.0	<25.0	<50.0	18,000				
FS04	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	55.3	55.3	19,900				
FS05	03/22/2024	0.25	<0.0250	0.387	<20.0	8,800	4,560	13,360	2,330				
FS05	05/24/2024	0.5	<0.005	<0.015	<10.0	<25.0	<25.0	<50.0	6,480				
FS05	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	6,600				
FS06	03/22/2024	0.25	<0.0250	<0.0500	<20.0	2,190	2,370	4,560	1,690				
FS06	05/24/2024	0.5	<0.005	0.0221	<10.0	162	50.0	212	8,460				
FS06	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	9,380				
FS07	03/22/2024	0.25	<0.0250	<0.0500	<20.0	2,570	2,480	5,050	5,120				
FS07	05/24/2024	0.5	<0.005	<0.0963	<10.0	1,030	220	1,250	15,500				
FS07	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,440				
FS08	03/22/2024	0.25	<0.0250	<0.0500	<20.0	11,900	5,340	17,240	1,860				
FS08	05/24/2024	0.5	<0.005	0.0414	<10.0	456	93	549	6,040				
FS08	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	6,420				
FS09	03/22/2024	0.25	<0.0250	<0.0500	<20.0	1,590	1,400	2,990	3,310				
FS09	05/24/2024	0.5	<0.005	0.0205	<10.0	296	75	371	11,500				
FS09	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	5,580				
FS10	03/22/2024	0.25	<0.0250	<0.0500	<20.0	5,390	4,520	9,910	2,390				
FS10	05/24/2024	0.5	<0.005	0.108	<10.0	1,220	258	1,480	16,500				
FS10	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	17,100				
FS11	03/22/2024	0.25	<0.0250	<0.0500	<20.0	742	826	1,568	4,990				
FS11	05/24/2024	0.5	<0.005	0.0239	<10.0	180	33	213	5,490				
FS11	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	8,660				

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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
FS12	03/22/2024	0.25	<0.0250	<0.0500	<20.0	4,610	4,030	8,640	2,550
FS12	05/24/2024	0.5	<0.005	0.142	53	596	338	987	13,500
FS12	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	6,350
FS13	03/22/2024	0.25	<0.0250	<0.0500	<20.0	3,750	3,250	7,000	1,530
FS13	05/24/2024	0.5	<0.005	0.0283	<10.0	315	79	394	1,300
FS13	06/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,880
FS14	03/22/2024	0.25	<0.0250	<0.0500	<20.0	1,470	1,640	3,110	695
FS14	05/24/2024	0.5	<0.005	0.0347	<10.0	286	100	386	1,290
FS14	06/28/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	10,500
SW01	03/22/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	31.0
SW01	07/01/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	349
SW02	03/22/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	34.3
SW02	07/01/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	348
SW03	07/01/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	363
SW04	07/01/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	360

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



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 16 #008

Work Order: E305157

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/31/23

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

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

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

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

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

Date Reported: 5/31/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305157

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01 0.5'	5
BH01 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E305157-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH01 4'	E305157-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 0.5' E305157-01

	E303137-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	96.0 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Analys	t: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	88.8 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Analys	t· KM		Batch: 2321081
	<u> </u>	,			Datell. 2321001
32.7	25.0	1	05/26/23	05/27/23	Batcii. 2321001
32.7 ND		1		05/27/23 05/27/23	Batch. 2321001
	25.0	1 1 50-200	05/26/23		Batcii. 2321001
	25.0 50.0	1 1	05/26/23 05/26/23 05/26/23	05/27/23	Batch: 2321083
	mg/kg ND ND ND ND ND ND ND ND ND N	Result Limit 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 0.0250 mg/kg mg/kg ND 20.0 88.8 %	Result Limit Dilution mg/kg mg/kg Analys 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 70-130 mg/kg mg/kg Analys ND 20.0 1 88.8 % 70-130	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 MD 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 88.8 % 70-130 05/26/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 mg/kg 70-130 05/26/23 05/26/23 mg/kg Analyst: SL ND 20.0 1 05/26/23 05/26/23

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 4'

E30	121	57	ഹാ
E3U	$_{10}$	31	-UZ

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/27/23	
Surrogate: n-Nonane		87.6 %	50-200	05/26/23	05/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2321083
Chloride	1510	20.0	1	05/26/23	05/26/23	



				•					
WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno				5/3	1/2023 12:56:56PN
		Volatile O	rganics l	by EPA 802	1B				Analyst: SL
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
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	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source: 1	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source: 1	E305152-0	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	1/2023 12:56:56PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0:	5/25/23 Anal	yzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno				3/	31/2023 12:30:30P1
	Nonha	logenated Or	ganics by l	EPA 8015I	O - 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 (2321081-BLK1)							Prepared: 0	5/26/23 Ana	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 Ana	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 Ana	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 Ana	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			

WPX Energy - Carlsbad		Project Name:	RI	OX 16 #008	·	·	·		Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno					5/31/2023 12:56:56PM
		Anions	by EPA 3	00.0/9056	\				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0	1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0	1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC			Bill To			3 7 30		La	b Us	se On	ly			TA	AT	EPA P	rogram
Project:	RDX 16 #008				Attention: Jim Raley			Lab	WO#			Job	Number	10) 2D	3D	Standard	CWA	SDWA
Project N	lanager: Gilbe	ert Moren	10		Address: 5315 Buena Vista D	r.		E3	305	15	7	010	1000-82	Г			5 day TAT		
Address:	13000 W Cou	inty Rd 10	00		City, State, Zip: Carlsbad, NN	1, 88220						Analysis and Metho					1		RCRA
City, Stat	e, Zip_Odessa	,TX, 7976	55		Phone: 575-885-7502				by					T					
Phone: 4	32-305-6415				Email: jim.raley@dvn.com			1	ORO									State	
Email: De	evon-team@e	techenv.	com		WO: 21141253			1	30/0	н .	0		300.0	2		~	NM CO	UT AZ	TX
	by: Edyte Ko				Incident ID: nAPP230793090	00		7	JQ/C	805	826	5010	300	- 1		¥			:
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	2000		GDOC		Remarks	
9:00	5/22/2023	S	1		BH01			0.5'							(
9:20	5/22/2023	S	1		BH01	1	2	4'						7	(
														T					
														T					
														t					
														+					
														ŀ	-				N. T.
														+	-	-			
Addition	al Instruction	c·																	
Addition	ai mstruction	3.																	
00		70		of this sample. I am aw e grounds for legal acti	rare that tampering with or intentionally mix ion. Sampled by:	islabelling th	ne sample loc	ation,				100 miles					eceived on ice the day 6 °C on subsequent d		led or received
Relinquisher	ed by: (Signature) Longo		Date 05	124123 Time	Received by: (Signature)	ls	Date 5-24-	2)	1	30)	Rec	eived on ice:		Lab (Jse Or N	nly		
nuc	ed by: (Signature)	eust -	Date 5	24-23 18	Received by: (Signature))		23	Time	330		T1		I	2		<u>T3</u>		
Relinquishe	d by: (Signature)	0	Date	24.23 Time	Received by: (Signature)	12	5/25	123	Time	:20)	9000000	G Temp °C	4					
	ix: S - Soil, Sd - Soli		e, A - Aqueo	us, O - Other		-1735	Containe	r Typ	e: g -	glass,	p - p	oly/p	lastic , ag - aml	ber (glass, v	- VOA			
					other arrangements are made. Hazar									t exp	ense.	The rep	oort for the analy	sis of the al	oove

envirotech Inc.

Printed: 5/26/2023 2:03:56PM

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:	05/25/23 (08:20	Work Order ID:	E305157
Phone:	(539) 573-4018	Date Logged In:	05/25/23 (08:33	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location man	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C		·				
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	<u></u>		
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserved?	No			
	umple(s) correctly preserved? filteration required and/or requested for dissolved n	natolo?	NA Na			
	•	ictais:	No			
	se Sample Matrix	0				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	-	No			
29. Was a	subcontract laboratory specified by the client and in	f so who?	NA	Subcontract Lab: N	NA.	
Client In	struction					

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 16 #008

Work Order: E305156

Job Number: 01058-0007

Received: 5/25/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/2/23

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

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

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

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

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

Date Reported: 6/2/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305156

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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 7'	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 16 #008	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
BH01 7'	E305156-01A Soil	05/22/23 05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy -	Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vis	sta Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 8	88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

BH01 7' E305156-01

	E505150-01				
Result	Reporting Limit		Prepared	Analyzed	Notes
ma/ka	ma/ka	Ana	•	<u> </u>	Batch: 2321067
		1	-	05/26/23	Batch: 2321007
		1			
		1			
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	95.5 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	llyst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	90.1 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	87.4 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2321083
666	20.0	1	05/26/23	05/26/23	
	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 20.0250 MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 87.4 % 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 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Ana ND 20.0 1 90.1 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 87.4 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 0 05/26/23 ND 50.0 0 05/26/23 ND 50.0 0 05/26/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 MD 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0



		QC 50	41111116	ii y Data	,				
WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #008 1058-0007 ilbert Moreno				6/2	Reported: /2023 12:28:33PM
Carisbad 1414, 00220					1 D			0.2	2020 12:20:001 11
		Volatile O	rganics t	oy EPA 8021	IR				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Analy	vzed: 05/26/23
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	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source: I	E305152-	02	Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
p-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source: I	E305152-	02	Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	

8.00

7.74

70-130



Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				6/2	2/2023 12:28:33PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-0	02	Prepared: 0:	5/25/23 Anal	yzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-0	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					6/2/2023 12:28:33PN
	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 (2321081-BLK1)							Prepared: 0	5/26/23 Aı	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 Aı	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 Aı	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 Aı	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
hurrogate: n-Nonane	43.8		50.0		87.5	50-200			

WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 ilbert Moreno					6/2/2023 12:28:33PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	A				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Per	rmian LLC			Bill To			1		La	ab Us	se On	ly				TA	ΛT	EPA P	rogram
	RDX 16 #008				Attention: Jim Raley	N.		Lab	WQ#	ŧ			Number		1D	2D	3D	Standard	CWA	SDWA
	∕lanager: Gilbe				Address: 5315 Buena Vista Dr.			E3	SCE	5	0	Ola	58-0	700				5 day TAT		
Address:	13000 W Cou	nty Rd 10	00		City, State, Zip: Carlsbad, NM, 8	8220						Analy	sis and N	1ethod	1					RCRA
	e, Zip_Odessa	TX, 7976	55		Phone: 575-885-7502				by											
	32-305-6415				Email: jim.raley@dvn.com				ORO								1 1		State	
	evon-team@e		com		WO: 21141253	100			RO/	21	0	0	0.0		Σ		_	NM CO	UT AZ	TX
Collected	d by: Edyte Ko	nan			Incident ID: nAPP2307930900			Œ.	0/0	/ 80	826	601(e 30				¥			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		111111111111111111111111111111111111111	ab nber	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
9:40	5/22/2023	S	1		BH01	1		7'							х					
											1									
											1									
Addition	nal Instruction	s:													1	I				
100				of this sample. I am aw e grounds for legal acti	are that tampering with or intentionally mislabe on. Sampled by:	elling the sam	ple loca	ation,										eived on ice the day to		ed or received
Edyle	ed by: (Signature 2 Konan			124/23 1083	Received by: (Signature) O My Clille Guyol	Date	24	23	Time	030)	Rece	eived on	ice:	OD LAND	ab Us)/ N	se On	ly		100 m 30 m 30 m
Relinquish	ned by: (Signature	urde	Date 5	242) Time	Received by: (Signature)	Date	24		Time	3	7	T1			T2			<u>T3</u>		
Relinquish	ned by: (Signature	50	Date	· W. 73 24	Received by: (Signature) Outh Man	- 5/	25/2	23	Time	20		AVG	Temp °		A. S					
	trix: S - Soil, Sd - Sol					Cont			: g - 8	glass,	p - po	oly/pl	astic, ag	ambe	r glas			and the second second second		
Note: Sam	ples are discarde	d 30 days a	fter results	are reported unless	other arrangements are made. Hazardous	s samples w	ill be r	eturne	ed to	client	or dis	posed	of at the	client e	xpens	e. Th	ne repo	ort for the analys	is of the ab	ove

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: 5/26/2023 2:03:10PM

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:	05/25/23	08:20	Work Order ID:	E305156
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:32	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain a	Custody (COC)					
			37			
	he sample ID match the COC? he number of samples per sampling site location mate	ch the COC	Yes			
	samples dropped off by client or carrier?	en die eee	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	ica anaryses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comment	s/Resolution
	<u> Turn 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	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	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	•	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	bel					
•	field sample labels filled out with the minimum info	rmation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved m	etais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No 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 16 #008

Work Order: E305155

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305155

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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 12'	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 16 #008	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH01 12'	E305155-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

7	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

BH01 12' E305155-01

	E303133-01				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	94.6 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	91.2 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2321081
37.4	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	87.8 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2321083
861	20.0	1	05/26/23	05/26/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit 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 94.6 % mg/kg MD 20.0 91.2 % mg/kg mg/kg mg/kg 37.4 25.0 ND 50.0 87.8 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg And 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 0.0250 1 MB/kg mg/kg And ND 20.0 1 91.2 % 70-130 1 mg/kg mg/kg And 37.4 25.0 1 ND 50.0 1 87.8 % 50-200 mg/kg mg/kg And	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM 37.4 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 0 05/26/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 MD 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 37.4 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 <t< td=""></t<>



WPX Energy - Carlsbad		Project Name:	R	DX 16 #008					Reported:		
5315 Buena Vista Dr	Project Number: 01058-0007										
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					5/30/2023 5:15:06PM		
		Volatile O	rganics l	by EPA 8021	B				Analyst: SL		
Analyte		Reporting	Spike	Source		Rec		RPD			
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2321067-BLK1)							Prepared: 0	5/25/23 A	Analyzed: 05/26/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p.m-Xylene	ND	0.0500									
Fotal Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.69	0.0230	8.00		96.2	70-130					
LCS (2321067-BS1)							Prepared: 0	5/25/23 A	Analyzed: 05/26/23		
Benzene	4.84	0.0250	5.00		96.7	70-130					
Ethylbenzene	5.09	0.0250	5.00		102	70-130					
Coluene	5.17	0.0250	5.00		103	70-130					
-Xylene	5.21	0.0250	5.00		104	70-130					
p,m-Xylene	10.3	0.0500	10.0		103	70-130					
Fotal Xylenes	15.6	0.0250	15.0		104	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.80	0.0230	8.00		97.5	70-130					
	7.00			Source: I			D 1. 0	5/05/02 /	l		
Matrix Spike (2321067-MS1)							Prepared: 0	3123123 F	Analyzed: 05/26/23		
Benzene	4.52	0.0250	5.00	ND	90.5	54-133					
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133					
Toluene	4.84	0.0250	5.00	ND	96.7	61-130					
-Xylene	4.90	0.0250	5.00	ND	98.1	63-131					
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131					
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131					
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130					
Matrix Spike Dup (2321067-MSD1)				Source: I	E305152-	02	Prepared: 0	5/25/23 A	Analyzed: 05/26/23		
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20			
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20			
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20			
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20			
o,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20			
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20			
			0.00		0.4.0	50 120					



70-130

Surrogate: 4-Bromochlorobenzene-PID

7.74

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno					5/30/2023 5:15:06PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Ar	nalyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Ar	nalyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ar	nalyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ar	nalyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	

8.00

89.1

70-130

7.13

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Carisbad NM, 88220		Project Manager	r: Gi	ibert Moreno					5/30/2023 5:15:00PF
	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0)1	Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Gurrogate: n-Nonane	43.8		50.0		87.5	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DX 16 #008 1058-0007 Gilbert Moreno				Reported: 5/30/2023 5:15:06PM		
		Anions	by EPA	300.0/9056A					Analyst: RAS	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23	
Chloride	ND	20.0								
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23	
Chloride	246	20.0	250		98.5	90-110				
Matrix Spike (2321083-MS1)				Source: 1	E305153-	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23	
Chloride	419	40.0	250	161	103	80-120				
Matrix Spike Dup (2321083-MSD1)				Source: 1	E305153-	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23	
Chloride	424	40.0	250	161	105	80-120	1.25	20		

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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	Client: WPX Energy Permian LLC.				Bill To				La	ab U	se Or	nly		TAT EPA P						rogram
	RDX 16 #008				Attention: Jim Raley		Lab	WO				Numb	er	1D	2D	3D		andard	CWA	SDWA
	/lanager: Gilbe				Address: 5315 Buena Vista Dr.		E	WO#	515	5	01058-0007						5 0	day TAT		
Address:	13000 W Cou	inty Rd 10	00		City, State, Zip: Carlsbad, NM, 8822	20					Anal	ysis an	d Metho	d						RCRA
	e, Zip_Odessa	a,TX, 7976	55		Phone: 575-885-7502			by by												
Phone: 4	32-305-6415				Email: jim.raley@dvn.com]	ORC											State	
Email: D	evon-team@e	techenv.	com		WO: 21141253		1	RO/	1			0.0		ΣZ				NM CO	UT AZ	TX
Collected	d by: Edyte Ko	nan			Incident ID: nAPP2307930900] ;	0/0	80.7	826	6010	e 30		0.750		¥				
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		BGDOC		GDOC			Remarks	
10:00	5/22/2023	S	1		ВН01	1	12'							Х						
					. 5													0		
				-				-					_	+		\vdash				
								_						_						
Addition	nal Instruction	is:													•					
0.000				of this sample. I am aw	vare that tampering with or intentionally mislabelling ion. Sampled by:	the sample loca	ation,											n ice the day th		ed or received
Relinquished by: (Signature) Date Date Time Received by: (Signature) Date						23	Time	030)	Rece	eived o	on ice:		ab Us	se On	ly				
Relinquish	elinquished by: (Signature) Date Time Received by: (Signature) All (UV) Column S-24-23 Time Received by: (Signature) MCSD					Date U		Time	30		T1		on rec.	T2	<i>),</i>			Т3		
Relinquish	ed by: (Signature	50	Date	24.23 7 4	Received by: (Signature)	Date 5/25/	/23	Time	:20)		Temp	°C 4	4		***				
	trix: S - Soil, Sd - So		e. A - Aque	ous. O - Other	· vum / wis	Container	Type					The state of the s		er gla	SS W -	VOA				
					other arrangements are made. Hazardous sar	nples will be r	eturn	ed to	client	or dis	posed	of at th	ne client e	expen	se. Th	ne reno	ort for	the analysi	s of the ah	ove
samples is	applicable only t	to those san	nples recei	ved by the laborator	y with this COC. The liability of the laboratory is	limited to the	amo	unt pa	id for	on th	e repo	ort.	sene c		11	срс		c dilaiysi	J SI GIE ADI	

envirotech

Printed: 5/26/2023 2:02:26PM

Envirotech Analytical Laboratory

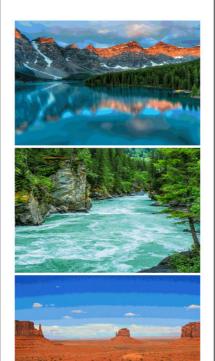
Sample Receipt Checklist (SRC)

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 - Carlsbad	Date Received:	05/25/23 0	08:20	Work Order ID:	E305155
Phone:	(539) 573-4018	Date Logged In:	05/25/23 0	08:31	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 1	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes		Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	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			
	e 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		Yes			
Sample C		temperature. <u>1</u>	<u> </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			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·					
	field sample labels filled out with the minimum info	rmation:				
Sa	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	<u>reservation</u> the COC or field labels indicate the samples were pr	acamia d0	NI-			
		eserved?	No			
	<pre>imple(s) correctly preserved? filteration required and/or requested for dissolved m</pre>	atole?	NA Na			
		ctais:	No			
	se Sample Matrix	. 0	2.7			
	the sample have more than one phase, i.e., multiphase		No			
	does the COC specify which phase(s) is to be analy	zea?	NA			
	act Laboratory					
	imples required to get sent to a subcontract laborator		No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: NA		
Client In	struction					

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 16 #008

Work Order: E401135

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 16 #008

Workorder: E401135

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 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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)

G 11 505 045 0000

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 15'	5
BH01 18'	6
BH01 20'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:38

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
BH01 15'	E401135-01A Soil	01/18/24 01/23/24	Glass Jar, 2 oz.
BH01 18'	E401135-02A Soil	01/18/24 01/23/24	Glass Jar, 2 oz.
BH01 20'	E401135-03A Soil	01/18/24 01/23/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:38:51AM

BH01 15' E401135-01

		2.01100 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2404029
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		100 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		96.6 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2404037
Chloride	4250	40.0	2	01/24/24	01/24/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:38:51AM

BH01 18' E401135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2404029
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		99.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		99.3 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2404037
Chloride	4990	40.0	2	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:38:51AM

BH01 20' E401135-03

	E-101103 05				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
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	
	99.5 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
ND	20.0	1	01/23/24	01/24/24	
	89.5 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404036
ND	25.0	1	01/24/24	01/24/24	
ND	50.0	1	01/24/24	01/24/24	
	98.5 %	50-200	01/24/24	01/24/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404037
83.7	20.0	1	01/24/24	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 89.5 % mg/kg MD 25.0 ND 50.0 98.5 % 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 99.5 % 70-130 mg/kg mg/kg Ana ND 20.0 1 89.5 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 98.5 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 Mg/kg mg/kg Analyst: CT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 Mg/kg mg/kg



QC Summary Data

		QC 50	ullilli	ary Data	Į.				
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		RDX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Number: Project Manager:		Gilbert Moreno					1/29/2024 9:38:51AM
Carisbad Nivi, 88220		Project Manager:		moert Moreno					1/29/2024 9.38.31AW
		Volatile O	rganics	by EPA 8021	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 (2404029-BLK1)							Prepared: 0	1/23/24 A	analyzed: 01/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			
LCS (2404029-BS1)							Prepared: 0	1/23/24 A	analyzed: 01/24/24
Benzene	4.00	0.0250	5.00		80.0	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.2	70-130			
Toluene	4.00	0.0250	5.00		80.0	70-130			
o-Xylene	3.97	0.0250	5.00		79.4	70-130			
o,m-Xylene	7.98	0.0500	10.0		79.8	70-130			
Total Xylenes	12.0	0.0250	15.0		79.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			
Matrix Spike (2404029-MS1)				Source: I	E 401137 -	03	Prepared: 0	1/23/24 A	analyzed: 01/24/24
Benzene	4.09	0.0250	5.00	ND	81.7	54-133			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	61-133			
Toluene	4.08	0.0250	5.00	ND	81.5	61-130			
o-Xylene	4.16	0.0250	5.00	ND	83.2	63-131			
p,m-Xylene	8.09	0.0500	10.0	ND	80.9	63-131			
Total Xylenes	12.2	0.0250	15.0	ND	81.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			
Matrix Spike Dup (2404029-MSD1)				Source: I					analyzed: 01/24/24
Benzene	4.56	0.0250	5.00	ND	91.1	54-133	10.9	20	
Ethylbenzene	4.36	0.0250	5.00	ND	87.3	61-133	11.5	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	11.0	20	
o-Xylene	4.58	0.0250	5.00	ND	91.7	63-131	9.71	20	
p,m-Xylene	9.04	0.0500	10.0	ND	90.4	63-131	11.1	20	



20

10.6

13.6

8.03

0.0250

15.0

8.00

ND

90.8

63-131

70-130

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:38:51AM

Carlsbad NM, 88220		Project Manage		lbert Moreno					1/29/2024 9:38:51AM
	Non	halogenated	Organics l	by EPA 801	15D - G	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
D (4.40.1040 DV V/4)							D 10	1/00/04	1 01/04/04
Blank (2404029-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	7.05		8.00		88.2	70-130			
LCS (2404029-BS2)							Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
Matrix Spike (2404029-MS2)				Source:	E401137-	03	Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2404029-MSD2)				Source:	E401137-	03	Prepared: 0	1/23/24 Aı	nalyzed: 01/24/24
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.7	70-130	6.84	20	

8.00

7.29

91.1

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:38:51AM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					1/29/2024 9:38:51Af
	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 (2404036-BLK1)							Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.3		50.0		96.5	50-200			
LCS (2404036-BS1)							Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
urrogate: n-Nonane	46.2		50.0		92.5	50-200			
Matrix Spike (2404036-MS1)				Source:	E401136-0)3	Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132			
urrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike Dup (2404036-MSD1)				Source:	E401136-0)3	Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.46	20	
'urrogate: n-Nonane	47.3		50.0		94.6	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		OX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager	: Gi	lbert Moreno					1/29/2024 9:38:51AM
		Anions	by EPA 3	00.0/9056A	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404037-BLK1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404037-BS1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2404037-MS1)				Source:	E401136-0)3	Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2404037-MSD1)				Source:	E401136-0)3	Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	263	20.0	250	ND	105	80-120	0.997	20	

QC Summary Report Comment:

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



Definitions and Notes

	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:38

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.



Page1 of	Receiv.
A	ed by OC
<u>A</u>	Received by OCD: 8/6/2024 5:09:55 PM
	024 5:0
	9:55 PM

Client: W	/PX Energ	y Permia	n, LLC.		Bill To				La	ab Us	se Or	nly	- / i i i				TAT		EPA P	ogram
	RDX 16 #0				Attention: Jim Raley		Lab	WO#	ŧ		Job	Num	ber	11) 21	D 3	BD	Standard	CWA	SDWA
Project N	Manager:	Gilbert N	/loreno		Address: 5315 Buena Vista Dr.		EL	101	13	5	0	058	3000	7				5 day TAT		
'Address:	: 13000 W	County	Rd 100		City, State, Zip: Carlsbad, NM, 88	3220					Analy	/sis a	nd Metl	nod						RCRA
City, Sta	te, Zip_O	dessa,TX,	79765		Phone: 575-885-7502						-									
	32-541-7				Email: jim.raley@dvn.com			3015									3		State	
Email: D	evon-tear	n@etech	env.com		WO: 21141253			by										NM CO	UT AZ	TX
					Incident ID: nAPP2307930900			ORO							1					
tess la	976 is							RO/	21	0	0	0.0			2		×			
Collecte	d by: Edyt	e Konan		,	Maria de la companya		E	0/01	y 80.	826	601	e 30					<u> </u>	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.	TPH GRO/DRO/ORO by 8015	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0		0	BGDOC		GDOC		Remarks	
9:00	01.18.24	S	1		BH01	1	15'							,	ĸ					
9:10	01.18.24	S	1		BH01	2	18'							2	ĸ					
9:20	01.18.24	S	1		BH01	3	20'							7	ĸ					
														+	+	+	1			
					- Committee of the Comm				_					+		\dagger	1			
					01122124															
																_				
Addition	al Instru	tions:		L																
				icity of this sample.	I am aware that tampering with or intentionally mis legal action. Sampled by: EK	labelling the samp	ole loca	ation,					1000					ived on ice the day		oled or
Relinquish	ed by: (Signa		Date	Time	Received by: (Signature)	Date [-2]-	24	Time	40)	Rec	eiver	l on ice		Lab		Only			
Relinquish	ed by: (Sign	es h	Date /-	Time	Received by: (Signature)	Date 1-7.7:	24	Time	72)	T1		i on icc					Т3		
	ed by: (Signa		Date	Time	Received by: (Signature)	Date 1. 23-	24	Time Qd	200				np °C	4				_ 13		
-		d - Solid, Se -		Aqueous, O - Other	in my tilled	Container	- 1	. g - s	lass	p - n				mber	plass	s. v -	VOA			KY SU VICE THE
					unless other arrangements are made. Hazard						-							port for the ar	alvsis of th	e above
					horatory with this COC. The liability of the labor															

envirotech

Page 13 of 14

Printed: 1/24/2024 8:49:39AM

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:	E401135
Phone:	(539) 573-4018	Date Logged In:	01/22/24	16:07		Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	01/29/24	17:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the 5. Were al	custody (COC) The sample ID match the COC? The number of samples per sampling site location management of the conference of the conferen	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	<u>ourier</u>	<u>Comment</u>	s/Resolution
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
8. If yes, v 9. Was the 10. Were of 11. If yes, 12. Was the 13. If no v Sample C 14. Are ac 15. Are V 16. Is the 17. Was a 18. Are no 19. Is the a Field Lab 20. Were	ample 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? e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample container queous VOC samples present? OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)? trip blank (TB) included for VOC analyses? on-VOC samples collected in the correct containers appropriate volume/weight or number of sample containers	e received w/i 15 e temperature: 4°0 ? ners collected?	Yes Yes Yes No NA Yes C No NA NA NA Yes Yes				
	ate/Time Collected? ollectors name?		Yes	L			
	reservation		Yes				
21. Does t 22. Are sa	the COC or field labels indicate the samples were p imple(s) correctly preserved? filteration required and/or requested for dissolved r		No NA No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
28. Are sa 29. Was a	act Laboratory Imples required to get sent to a subcontract laborator subcontract laboratory specified by the client and in the contract laboratory specified by the client and in the contract laboratory specified by the client and in the contract laboratory specified by the client and in the contract laboratory specified by the client and in the contract laboratory.		No NA	Subcontract Lab	: NA		
Chent In	struction						

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 16 #008

Work Order: E305154

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305154

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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

Sample Summary

	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 0.5'	E305154-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH02 4'	E305154-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 0.5' E305154-01

	E505154-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	95.6 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	88.8 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	92.0 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321083
278	20.0	1	05/26/23	05/26/23	
	mg/kg ND ND ND ND ND ND ND ND 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 20.0250 88.8 % mg/kg MD 20.0 88.8 % mg/kg ND 25.0 ND 50.0 92.0 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 MD 25.6% 70-130 mg/kg mg/kg Anal ND 20.0 1 88.8% 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 92.0% 50-200 mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 0 05/26/23 ND 50.0 0 05/26/23 ND 50.0 0 05/26/23 ND 50.0 0 05/26/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 MD 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 4'

E305154-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
o,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		93.1 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2321083
Chloride	34.1	20.0	1	05/26/23	05/26/23	



QC Summary Data

		QC 50	41111116	ii y Data	Į.				
WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #008 1058-0007 ilbert Moreno				5/3	Reported: 0/2023 5:25:21PM
Carbona 11.11, 00220				by EPA 8021	I R				
		voiatile O	rgames i	Jy EFA 6021	1 D				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
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	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source: I	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source: I	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
-,,	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	

7.74

8.00

70-130



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5.	/30/2023 5:25:21PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Ana	alyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Ana	llyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ana	llyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ana	llyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	

8.00

7.13

89.1

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno					5/30/2023 5:25:21PF
_	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0)1	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Gurrogate: n-Nonane	43.8		50.0		87.5	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 ilbert Moreno					5/30/2023 5:25:21PM
				00.0/9056					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Bill To
Project Manager: Gilbert Moreno
Address: 13000 W County Rd 100 City, State, Zip_Odessa,TX, 79765 Phone: 432-305-6415 Email: jim.raley@dvn.com WO: 21141253 Collected by: Edyte Konan Time Sampled Date Sample
Phone: 575-885-7502
Collected by: Edyte Konan
10:20 5/22/2023 S 1 BH02 0.5' X
10:20 5/22/2023 S 1 BH02 0.5' X
10:20 5/22/2023 S 1 BH02 0.5' X
10:20 5/22/2023 S 1 BH02 0.5' X
10:20 5/22/2023 S 1 BH02 0.5' X
10:40 5/22/2023 S 1 BH02 2 4' X
70.40 5/22/2025 S 1 X X
Additional Instructions:
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, Samples requiring thermal preservation must be received on ice the day they are sampled or received.
date or time of collection is considered fraud and may be grounds for legal action. Sampled by: packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Lab Use Only
Relinquished by: (Signature) Date 24-23 Time Refresived by: (Signature) MUCHULL Curry Time 1815 Refresived by: (Signature) Date 24-23 Time 1815 Refresived by: (Signature) Date 24-23 Time 1820 T1 T2 T3
Revinguished by: (Signature) Date Time Received by: (Signature) Date Time
Relinquished by: (Signature) Date: Time Regeived by: (Signature) AVG Temp °C AVG Temp °C
Sample Matrix: S - Soil, Sd - Soild, 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 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: 5/26/2023 2:01:43PM

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:	05/25/23	08:20		Work Order ID:	E305154
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:30		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	en une eee	Yes Yes	<i>a</i>			
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>ourier</u>		
	Il samples received within holding time?	ica anaryses:	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		103			Comments	s/Resolution
Sample T	<u> Curn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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				
Sample C	,	temperature. <u></u>	<u> </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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contains		Yes				
Field Lat	· · · · · · · · · · · · · · · · · · ·	iers conecteur	103				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	7/ ⁹	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	v NIA		
		so who:	1421	Subcontract Lau), INA		
Client Ir	<u>nstruction</u>						
L							

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 16 #008

Work Order: E401136

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 16 #008

Workorder: E401136

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 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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
BH02 7'	5
BH02 12'	6
BH02 15'	7
BH02 18'	8
BH02 20'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:34

Client Sample ID	Lab Sample ID Mate	ix Sampled	Received	Container
BH02 7'	E401136-01A Soi	01/18/24	01/23/24	Glass Jar, 2 oz.
BH02 12'	E401136-02A Soi	01/18/24	01/23/24	Glass Jar, 2 oz.
BH02 15'	E401136-03A Soi	01/18/24	01/23/24	Glass Jar, 2 oz.
BH02 18'	E401136-04A Soi	01/18/24	01/23/24	Glass Jar, 2 oz.
BH02 20'	E401136-05A Soi	01/18/24	01/23/24	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

BH02 7' E401136-01

	E401130-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: BA		Batch: 2404029
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	
	99.5 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2404029
ND	20.0	1	01/23/24	01/24/24	
	90.3 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2404036
ND	25.0	1	01/24/24	01/24/24	
ND	50.0	1	01/24/24	01/24/24	
	96.6 %	50-200	01/24/24	01/24/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2404037
ND	20.0	1	01/24/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 90.3 % mg/kg ND 25.0 ND 50.0 96.6 % 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 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 99.5 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 96.6 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 50.0 1 01/24/24 ND 50.6 % 50-200 01/24/24 mg/kg Mg/kg Analyst: DT <td>Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA 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 MD 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24</td>	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA 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 MD 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

BH02 12'

E401136-02						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
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		99.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		95.4 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404037
Chloride	ND	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

BH02 15'

		E401136-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
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		99.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		96.9 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2404037
Chloride	ND	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

BH02 18' E401136-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
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		99.0 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		98.4 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2404037
Chloride	ND	20.0	1	01/24/24	01/24/24	·



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

BH02 20' E401136-05

		E401130-03				
Analyte	Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
				1	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
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		98.8 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		97.8 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2404037
Chloride	ND	20.0	1	01/24/24	01/24/24	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 1/29/2024 9:34:23AM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2404029-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 8.08 8.00 101 70-130 LCS (2404029-BS1) Prepared: 01/23/24 Analyzed: 01/24/24 4.00 80.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 3.86 0.0250 5.00 77.2 70-130 4.00 0.0250 5.00 80.0 70-130 Toluene o-Xylene 3.97 0.0250 5.00 79.4 70-130 7.98 10.0 79.8 70-130 0.0500 p.m-Xvlene 79.7 70-130 12.0 15.0 Total Xylenes 0.0250 8.00 101 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.07 Matrix Spike (2404029-MS1) Source: E401137-03 Prepared: 01/23/24 Analyzed: 01/24/24 4.09 0.0250 5.00 ND 81.7 54-133 Benzene ND 61-133 Ethylbenzene 3.89 0.0250 5.00 77.8 Toluene 4.08 0.0250 5.00 ND 81.5 61-130 ND 83.2 63-131 4.16 5.00 0.0250 o-Xylene p,m-Xylene 8.09 0.0500 10.0 ND 80.9 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.00 8.00 Matrix Spike Dup (2404029-MSD1) Source: E401137-03 Prepared: 01/23/24 Analyzed: 01/24/24 4.56 0.0250 5.00 ND 91.1 54-133 10.9 61-133 11.5 4.36 0.0250 5.00 ND 87.3 20

4 55

4.58

9.04

13.6

8.03

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

91.0

91.7

90.4

90.8

100

61-130

63-131

63-131

63-131

70-130

11.0

9.71

11.1

10.6

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	•			1/2	29/2024 9:34:23AM
	Non	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 (2404029-BLK1)							Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			
LCS (2404029-BS2)							Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
Matrix Spike (2404029-MS2)				Source:	E401137-0	03	Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2404029-MSD2)				Source:	E401137-0	03	Prepared: 0	1/23/24 Ana	lyzed: 01/24/24
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.7	70-130	6.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:34:23AM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					1/29/2024 9:34:23AN	
	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 (2404036-BLK1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	48.3		50.0		96.5	50-200				
LCS (2404036-BS1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24	
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132				
urrogate: n-Nonane	46.2		50.0		92.5	50-200				
Matrix Spike (2404036-MS1)				Source:	E401136-0	03	Prepared: 01/24/24 Analyzed: 01/24/2			
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132				
urrogate: n-Nonane	46.2		50.0		92.4	50-200				
Matrix Spike Dup (2404036-MSD1)				Source:	E401136-0	03	Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24	
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.46	20		
'urrogate: n-Nonane	47.3		50.0		94.6	50-200				

Matrix Spike Dup (2404037-MSD1)

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	5315 Buena Vista Dr Project Number: 01058-0007								Reported: 1/29/2024 9:34:23AM
Calisuau ivivi, 00220		Analyst: DT							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404037-BLK1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404037-BS1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2404037-MS1)				Source:	E401136-	03	Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	260	20.0	250	ND	104	80-120			

250

20.0

Source: E401136-03

105

80-120

0.997

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: 01/24/24 Analyzed: 01/24/24

20

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:34

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.



Page	_1_	_ of _	_1_	Rece
m				ived by
M NA				, OC.
RA				D: 8
				/6/2024
				Received by OCD: 8/6/2024 5:09:55 PM
				PM

Client: V	VPX Energ	y Permia	in, LLC.		Bill To		The state of	100	La	ab Us	se Or	nly				T/	λT		EPA I	rogram
	RDX 16 #0				Attention: Jim Raley		Lab	Lab WO#			Job	Num	ber	1D	2D 3D		Sta	andard	CWA	SDWA
	Manager:		loreno		Address: 5315 Buena Vista Dr.		E	40	113	do	01	059	F0003					lay TAT		
Address	: 13000 W	County	Rd 100		City, State, Zip: Carlsbad, NM, 88	220					Analy	nalysis and Metho		d						RCRA
City, Sta	te, Zip_O	dessa,TX,	79765		Phone: 575-885-7502			10												
	332-541-7	500,000,000			Email: jim.raley@dvn.com			801											State	
Email: D	Email: Devon-team@etechenv.com WO: 21141253 Incident ID: nAPP2307930900						yd C										NM CO	UT AZ	Z TX	
2					Incident ID: nAPP2307930900			/ORC												
.								JRO,	121	09	9	0.00		ΣZ		×				
	d by: Edyt	e Konan	г			The second second	ft.	RO/I	3y 8C	y 82	s 601	de 3(×		
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		BGDOC		GDOC			Remark	s
9:30	01.18.24	S	1		BH02	1	7'							х						
9:40	01.18.24	S	1		BH02	2	12'							х						
9:50	01.18.24	S	1		ВН02	3	15'							х						
10:00	01.18.24	S	1		ВН02	4	18'							х						
10:10	01.18.24	S	1		BH02	5	20'							х						
										_										
					01129124														***************************************	
Addition	nal Instru	ctions:																		
				ticity of this sample. I	I am aware that tampering with or intentionally misegal action. Sampled by: EK	labelling the sam	ple loca	ation,										on ice the day an 6 °C on sub		
- K	ed by: (Sign		Date VO/	122/24 Time		1-22-	24	Time	140)	Rec	eive	d on ice:		ab U	se Or	nly			
	led by: (Sign		Date	22-29 Time	Received by: (Signature)	1-22-	ч	Time	230)	T1			T2				T3		
Relinquish	ed by: (Sign	ature)	Date	Time	Received by: (Signature)	Date		Time			UNBOUDE									
1 Socks	ew ,	Hello	1-	22-24 14	100 hepira a Had	1.23.	24	0	LOC	0	AVO	3 Ten	np °C	<u> </u>						
	trix: S - Soil, S	d - Solid, Sg		Aqueous, O - Other _		Containe														
					unless other arrangements are made. Hazard									ent e	xpens	e. The	repor	rt for the ar	alysis of 1	he above
samples is	applicable	only to thos	se samples	received by the labo	oratory with this COC. The liability of the labor	ratory is limited	to the	amo	unt pa	id for	on th	e repo	ort.							

6

e. The report for the analysis of the above

Page 15 of 16

Printed: 1/25/2024 2:10:19PM

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:	E401136
Phone:	(539) 573-4018	Date Logged In:	01/22/24	16:09		Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	01/29/24	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	1.1.000	Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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 C				
Sample C		<u>. </u>	<u>~</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers')	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		icis concetea.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	ination.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	act <u>Laboratory</u> Imples required to get sent to a subcontract laborator	mr?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	. NI A		
		30 WIIO:	1421	Subcontract Lab	, INA		
Client In	struction						

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 16 #008

Work Order: E305153

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305153

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

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

Sample Summary

	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH03 0.5'	E305153-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH03 4'	E305153-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 0.5' E305153-01

	E303133-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: SL			Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	94.7 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	89.4 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	91.7 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321083
161	40.0	2	05/26/23	05/26/23	
	mg/kg ND Mg/kg ND mg/kg	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 MB/kg mg/kg MD 20.0 89.4 % mg/kg MD 25.0 ND 50.0 91.7 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 MB/kg mg/kg Anal ND 20.0 1 89.4 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 91.7 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 Mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 MD 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 4'

E305153-02

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		91.9 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2321083
Chloride	21.8	20.0	1	05/26/23	05/26/23	



				ir j Date					
WPX Energy - Carlsbad		Project Name:	R	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	01	1058-0007					
Carlsbad NM, 88220		Project Manager:	G	Gilbert Moreno					5/30/2023 5:20:20PM
		Volatile O	rganics l	by EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 A	analyzed: 05/26/23
Benzene	ND	0.0250					Trepureur o.		
Benzene Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0:	5/25/23 A	analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
oluene	5.17	0.0250	5.00		103	70-130			
-Xylene	5.21	0.0250	5.00		104	70-130			
o,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
urrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source: 1	E305152-	02	Prepared: 0	5/25/23 A	analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
thylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
oluene	4.84	0.0250	5.00	ND	96.7	61-130			
-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source: 1	E305152-	02	Prepared: 0	5/25/23 A	analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	

10.0

15.0

8.00

0.0500

0.0250

ND

ND

88.3

88.4

63-131

63-131

70-130

9.41

9.66

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

8.83

13.3

7.74

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	0/2023 5:20:20PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: SL		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130				
LCS (2321067-BS2)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130				
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/27/23	
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130				
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130				

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					5/30/2023 5:20:20PN
	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 (2321081-BLK1)							Prepared: 0	5/26/23 An	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 An	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 An	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 An	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #008 1058-0007 ilbert Moreno					Reported: 5/30/2023 5:20:20PM	
Carisbad (VIVI, 66226)				300.0/9056A	<u> </u>				Analyst: RAS	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2321083-BLK1)							Prepared: 0:	5/26/23	Analyzed: 05/26/23	
Chloride	ND	20.0								
LCS (2321083-BS1)							Prepared: 0:	5/26/23	Analyzed: 05/26/23	
Chloride	246	20.0	250		98.5	90-110				
Matrix Spike (2321083-MS1)				Source: 1	E305153-()1	Prepared: 0:	5/26/23	Analyzed: 05/26/23	
Chloride	419	40.0	250	161	103	80-120				
Matrix Spike Dup (2321083-MSD1)				Source: 1	E305153-()1	Prepared: 0:	5/26/23	Analyzed: 05/26/23	
Chloride	424	40.0	250	161	105	80-120	1.25	20		

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
1	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill To				La	b Us	se On	ily				TA	\T	EPA F	rogram
Project:	RDX 16 #008				Atte	ention: Jim Raley		Lab	WO#		leal 2	Job	Numbe	r	1D	2D	3D	Standard	CWA	SDWA
Project N	/lanager: Gilbe	ert Moren	0			dress: 5315 Buena Vista Dr.	7	FF	375	153			823					5 day TAT		
	13000 W Cou				City	, State, Zip: Carlsbad, NM, 882	20			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Method	d			THE SERVICE		RCRA
City, Stat	e, Zip Odessa	,TX, 7976	55			one: 575-885-7502			by						Г		ПП			
	32-305-6415		***************************************		Emi	ail: jim.raley@dvn.com		1	ORC S						1				State	
	evon-team@e	techenv.	com		CONTRACTOR OF THE PARTY OF THE): 21141253		1	0/0	н			0		ΣN			NM C		TX
	by: Edyte Ko					dent ID: nAPP2307930900	The state of the s	1 _	/DR	802	3260	010	300				×	-		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		dent 15.111.11. 2507555500	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		В		Remark	;
11:00	5/22/2023	S	1			BH03	I	0.5'		а					Х				-	
11:20	5/22/2023	S	1			BH03	2	4'							Х					
							-				-									
					-															
									-					-	-	-				
		1														-	-			
																			AN TANKE DAY OF THE REAL PROPERTY.	
Addition	al Instruction	s:																		
I, (field sam	pler), attest to the	validity and a	uthenticity	of this sample. I am a	ware that t	ampering with or intentionally mislabellin	ng the sample lo	cation,				100						ceived on ice the d		led or received
		Contract to the second	d and may b	e grounds for legal ac	ction.	Sampled by:						packed	in ice at a	n avg temp				5°C on subsequen	days.	
Relinquish	ed by: (Signature 2 Konan)	Date	124123 10°	30	Received by: (Signature) Wille Cly als	5-24	13	Time	30	i	Rece	eived o	n ice:		ab U	se On	ly		
MARCE	ed by: (Signature	wide	Date	2423 Time	15	Requived by: (Signature)(5.2		Time	13)	T1			T2	,		Т3		
Relinquish	ed by: (Signature	10	Date		400	Received by: (Signature) Auth Man	Date /	123	Time	20	Y/		i Temp	°C_4						
	rix: S - Soil, Sd - Sol		e, A - Aqueo	ous, O - Other			Containe	r Type	e: g - j	glass,						ss, v -	- VOA	100		
						rangements are made. Hazardous s	amples will be	return	ed to	client	or dis	posed	of at th					ort for the ana	lysis of the a	oove
samples is	applicable only t	o those sam	nles recei	ed by the laborato	ry with th	is COC. The liability of the laboratory	is limited to th	e amo	unt n	id for	on th	o rone	ort							,

@ envirotech

Printed: 5/26/2023 2:01:02PM

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:	05/25/23	08:20		Work Order ID:	E305153
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:29		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: C	Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
	urn Around Time (TAT)		37				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	cooler cample cooler received?		Yes				
	was cooler received in good condition?						
•	•		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	risible ice, record the temperature. Actual sample	temperature: 4-	<u>c</u>				
Sample C			3.7				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab		.•					
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
		,	1411				
	act Laboratory	0	NT.				
	amples required to get sent to a subcontract laborato	-	No	0.1	374		
	subcontract laboratory specified by the client and is	i so wno?	NA	Subcontract Lab): NA		
Client In	<u>istruction</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 16 #008

Work Order: E401137

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 16 #008

Workorder: E401137

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 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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
BH03 7'	5
BH03 12'	6
BH03 15'	7
BH03 18'	8
BH03 20'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 7'	E401137-01A	Soil	01/18/24	01/23/24	Glass Jar, 2 oz.
BH03 12'	E401137-02A	Soil	01/18/24	01/23/24	Glass Jar, 2 oz.
BH03 15'	E401137-03A	Soil	01/18/24	01/23/24	Glass Jar, 2 oz.
BH03 18'	E401137-04A	Soil	01/18/24	01/23/24	Glass Jar, 2 oz.
BH03 20'	E401137-05A	Soil	01/18/24	01/23/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

BH03 7' E401137-01

	E401137-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2404029
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	
	98.5 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2404029
ND	20.0	1	01/23/24	01/24/24	
	90.1 %	70-130	01/23/24	01/24/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2404036
ND	25.0	1	01/24/24	01/25/24	
ND	50.0	1	01/24/24	01/25/24	
	98.6 %	50-200	01/24/24	01/25/24	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2404037
62.5	20.0	1	01/24/24	01/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND mg/kg ND mg/kg	Result Reporting Limit 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 98.5 % mg/kg MD 20.0 90.1 % mg/kg ND 25.0 ND 50.0 98.6 % 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 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.5 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 90.1 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 98.6 % 50-200 mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/2	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA 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 0.0500 1 01/23/24 01/24/24 ND 0.0250 1 01/23/24 01/24/24 MD 0.0250 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/24/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 01/24/24 ND 25.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

BH03 12'

		E401137-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
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		98.5 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		96.9 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2404037
Chloride	61.5	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

BH03 15'

		E401137-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2404029
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		99.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		96.3 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2404037
Chloride	ND	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

BH03 18' E401137-04

		E401137-04				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2404029
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		98.2 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		94.4 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2404037
Chloride	64.8	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

BH03 20' E401137-05

		E401137-05				
Analyta	Result	Reporting Limit	Dilution	Duamanad	Amalyzand	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
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		97.9 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	01/23/24	01/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		99.2 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404037
Chloride	65.3	20.0	1	01/24/24	01/24/24	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 1/29/2024 9:31:31AM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2404029-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 8.08 8.00 101 70-130 LCS (2404029-BS1) Prepared: 01/23/24 Analyzed: 01/24/24 4.00 80.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 3.86 0.0250 5.00 77.2 70-130 4.00 0.0250 5.00 80.0 70-130 Toluene o-Xylene 3.97 0.0250 5.00 79.4 70-130 7.98 10.0 79.8 70-130 0.0500 p.m-Xvlene 79.7 70-130 12.0 15.0 Total Xylenes 0.0250 8.00 101 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.07 Matrix Spike (2404029-MS1) Source: E401137-03 Prepared: 01/23/24 Analyzed: 01/24/24 4.09 0.0250 5.00 ND 81.7 54-133 Benzene ND 61-133 Ethylbenzene 3.89 0.0250 5.00 77.8 Toluene 4.08 0.0250 5.00 ND 81.5 61-130 ND 83.2 63-131 4.16 5.00 0.0250 o-Xylene p,m-Xylene 8.09 0.0500 10.0 ND 80.9 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.00 8.00 Matrix Spike Dup (2404029-MSD1) Source: E401137-03 Prepared: 01/23/24 Analyzed: 01/24/24 4.56 0.0250 5.00 ND 91.1 54-133 10.9 61-133 11.5 4.36 0.0250 5.00 ND 87.3 20 Ethylbenzene Toluene 4 55 0.0250 5.00 ND 91.0 61-130 11.0 20 4.58 5.00 ND 91.7 63-131 9.71 20 o-Xylene 0.0250 9.04 10.0 ND 90.4 63-131 11.1 20 p,m-Xylene 0.0500



13.6

8.03

0.0250

15.0

8.00

ND

90.8

100

63-131

70-130

10.6

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				1/2	9/2024 9:31:31AM
	Nor	halogenated	Organics	by EPA 80	15D - G	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 (2404029-BLK1)							Prepared: 0	1/23/24 Anal	yzed: 01/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			
LCS (2404029-BS2)							Prepared: 0	1/23/24 Anal	yzed: 01/24/24
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
Matrix Spike (2404029-MS2)				Source:	E401137-	03	Prepared: 0	1/23/24 Anal	yzed: 01/24/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2404029-MSD2)				Source:	E401137-	03	Prepared: 0	1/23/24 Anal	yzed: 01/24/24
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.7	70-130	6.84	20	

8.00

7.29

91.1

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:31:31AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1				1/29/2024 9:31:31A
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
biesel Range Organics (C10-C28) bil Range Organics (C28-C36) turrogate: n-Nonane LCS (2404036-BS1) biesel Range Organics (C10-C28) turrogate: n-Nonane Matrix Spike (2404036-MS1) biesel Range Organics (C10-C28) turrogate: n-Nonane Matrix Spike (2404036-MS1) biesel Range Organics (C10-C28) turrogate: n-Nonane Matrix Spike Dup (2404036-MSD1)	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404036-BLK1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	50-200			
LCS (2404036-BS1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	46.2		50.0		92.5	50-200			
Matrix Spike (2404036-MS1)				Source:	E401136-0	03	Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike Dup (2404036-MSD1)				Source:	E401136-0	03	Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.46	20	
Gurrogate: n-Nonane	47.3		50.0		94.6	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Number:		ilbert Moreno					1/29/2024 9:31:31AM
		Analyst: DT							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404037-BLK1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404037-BS1)							Prepared: 0	1/24/24 A	nalyzed: 01/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2404037-MS1)				Source:	Source: E401136-03			1/24/24 A	nalyzed: 01/24/24
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2404037-MSD1)	Source:	E401136-0	03	Prepared: 01/24/24 Analyzed: 01/24/24					

250

20.0

105

80-120

0.997

20

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:31

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 16 #008

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

Lab WO#

F401

y 8015

Lab Use Only

Job Number

Analysis and Method

137 010580007

Bill To

Attention: Jim Raley

Phone: 575-885-7502

Email: jim.raley@dvn.com

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

EPA Program

SDWA

RCRA

CWA

State

EARLY CONTROL OF THE
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.
Date Lab Use Only Received on ice: (V) N
1-22-W 1730 T1 T2 T3
Date
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
samples will be returned to client or disposed of at the client expense. The report for the analysis of the abory is limited to the amount paid for on the report.
1

TAT

Standard

5 day TAT

3D

1D 2D

Email: Devon-team@etechenv.com					W	WO: 21141253			by 8										NM (OU	T AZ	TX	
Collecte	d by: Edyt	e Konan		00	Inc	sident ID: nAPP2307930900			трн сво/ово/ово Бу 8	8021	3260	010	300.0		ΣN		X		×				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID)		Lab Number	Depth(ft.)	TPH GRC	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC			Re	emark	5	
10:20	01.18.24	S	1			BH03	1	7'							х								
10:30	01.18.24	S	1			BH03	2	12'							х								
10:40	01.18.24	S	1		BH03										х								
10:50	01.18.24	S	1			4	18'							х									
11:00	01.18.24	S	1			5	20'							х									
																						No.	
						01/22/24																	
/																							
Addition	al Instru	tions:																					
				1	ample. I am awa ds for legal actio	re that tampering with or intentionally misla n. <u>Sampled by: EK</u>	belling the sam	ole loca	tion,			1000		ring thermal ed in ice at a							2 3 3		į
	ed by: (Sign)		Date O(/		Time H340	Received by: (Signature) Wille (Sey)	Date 1-12-2	4	Time	140)	Rece	eived	on ice:	Li)/ N	se Onl	У					
Mile	ed by: (Sign	lux	Date	12-24	Time 1630	Received by: (Signature) Received by: (Signature) Received by: (Signature)	1-22	14	Time Time	73	0	<u>T1</u>			<u>T2</u>				T3				
	rew u	H. Bo		22-24	2400	Theypipa R Hall	1.23 · .							p°C		loce :		\					
sample Mat	rix: 5 - 5011, 5	a - Solid, Sg -	Sludge, A - A	Aqueous, O - C	itner		Containe	Type	. g -	giass,	b - b	oly/p	IdStic	, ag - am	met gi	a55, V	- VUF	4					





Printed: 1/25/2024 2:17:02PM

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:	E401137
Phone:	(539) 573-4018	Date Logged In:	01/22/24	16:10	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	01/29/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?	1.1.000	Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courie	<u>r</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were a	Il 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 disucssion		Yes		<u>Comment</u>	ts/Resolution
	Furn Around Time (TAT) c COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
•	e sample(s) received intact, i.e., not broken?					
	custody/security seals present?		Yes			
	* *		No			
	, were custody/security seals intact?		NA			
	e 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			
	•	temperature. 1	<u> </u>			
	Container queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers.)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
		iers conceteur	105			
Field Lal	field sample labels filled out with the minimum info	rmation				
	ample ID?	rination.	Yes			
	pate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample F	Preservation_					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved m	netals?	No			
Multipha	se Sample Matrix					
_	the sample have more than one phase, i.e., multipha	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
			1111			
	act Laboratory	0	NI.			
	amples required to get sent to a subcontract laborator	-	No	0.1 4 47 1 374		
29. was a	subcontract laboratory specified by the client and if	so who:	NA	Subcontract Lab: NA		
Client I	<u>nstruction</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 16 #008

Work Order: E305151

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305151

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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
BH04 0.5'	5
BH04 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH04 0.5'	E305151-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH04 4'	E305151-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 0.5' E305151-01

		L503131 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2321057
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		108 %	50-200	05/25/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321082
Chloride	48.9	20.0	1	05/26/23	05/27/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 4'

		E305151-02					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2321061	
Benzene	ND	0.0250	1	05/25/23	05/27/23		
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23		
Toluene	ND	0.0250	1	05/25/23	05/27/23		
p-Xylene	ND	0.0250	1	05/25/23	05/27/23		
o,m-Xylene	ND	0.0500	1	05/25/23	05/27/23		
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23		
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/25/23	05/27/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2321061	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	05/25/23	05/27/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2321057	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23		
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23		
Surrogate: n-Nonane		106 %	50-200	05/25/23	05/26/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2321082	
Chloride	49.6	20.0	1	05/26/23	05/27/23		



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:17:21PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321061-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.95 8.00 99.4 70-130 LCS (2321061-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.31 5.00 86.2 70-130 Benzene 0.0250 Ethylbenzene 4.50 0.0250 5.00 90.0 70-130 4.65 0.0250 5.00 93.0 70-130 Toluene 4.75 95.0 o-Xylene 0.0250 5.00 70-130 9.32 10.0 93.2 70-130 0.0500 p.m-Xvlene 93.8 70-130 14.1 15.0 Total Xylenes 0.0250 8.00 99.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 Matrix Spike (2321061-MS1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.83 0.0250 5.00 ND 96.7 54-133 Benzene ND 61-133 Ethylbenzene 5.06 0.0250 5.00 101 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.04 8.00 Matrix Spike Dup (2321061-MSD1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.44 0.0250 5.00 ND 88.8 54-133 8.51 20 ND 61-133 4.63 0.0250 5.00 92.6 8.90 20 Ethylbenzene 61-130 Toluene 4 78 0.0250 5.00 ND 95.6 8 78 20 4.89 5.00 ND 97.8 63-131 8.62 20 o-Xylene 0.0250 9.58 10.0 ND 95.8 63-131 8.86 20 p,m-Xylene 0.0500



14.5

7.98

0.0250

15.0

8.00

ND

96.4

99.8

63-131

70-130

8.78

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	RDX 16 #008 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					5/30/2023 5:17:21PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2321061-BLK1)							Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130				
LCS (2321061-BS2)							Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130				
Matrix Spike (2321061-MS2)				Source:	E305149-	03	Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130				
Matrix Spike Dup (2321061-MSD2)				Source:	E305149-0	03	Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.02		8.00		75.2	70-130				

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno					5/30/2023 5:17:21PN	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2321057-BLK1)							Prepared: 0	5/25/23 A	Analyzed: 05/25/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	56.8		50.0		114	50-200				
LCS (2321057-BS1)							Prepared: 0	5/25/23 A	Analyzed: 05/25/23	
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132				
Surrogate: n-Nonane	52.0		50.0		104	50-200				
Matrix Spike (2321057-MS1)				Source:	E305146-0	01	Prepared: 0	5/25/23 A	Analyzed: 05/26/23	
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132				
Surrogate: n-Nonane	50.5		50.0		101	50-200				
Matrix Spike Dup (2321057-MSD1)				Source:	E305146-0)1	Prepared: 0	5/25/23 A	Analyzed: 05/26/23	
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20		
Surrogate: n-Nonane	52.0		50.0		104	50-200				



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 .058-0007					Re	ported:
Carlsbad NM, 88220		Project Manager:		ilbert Moreno					5/30/2023	3 5:17:21PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	4				Analys	st: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2321082-BLK1)							Prepared: 0:	5/26/23	Analyzed:	05/26/23
Chloride	ND	20.0								
LCS (2321082-BS1)							Prepared: 0:	5/26/23	Analyzed:	05/26/23
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2321082-MS1)				Source:	E305149-0	01	Prepared: 0:	5/26/23	Analyzed:	05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120				
Matrix Spike Dup (2321082-MSD1)				Source:	E305149-0)1	Prepared: 0:	5/26/23	Analyzed:	05/26/23

250

20.0

21.8

107

80-120

6.42

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 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill To				L	ab U	se Or	nly				T	TA	EPA P	rogram
Project: I	RDX 16 #008				Atte	ention: Jim Raley		Lab	WO	#		Job	Numb	er	10	2D	3D	Standard	CWA	SDWA
Project N	/lanager: Gilbe	ert Moren	10			dress: 5315 Buena Vista Dr.			305		1	01058-600			1			5 day TAT		
Address:	13000 W Cou	inty Rd 10	00		City	City, State, Zip: Carlsbad, NM, 88220								d Metho						RCRA
City, Stat	e, Zip_Odessa	,TX, 7976	55		Pho	one: 575-885-7502			by											
	32-305-6415				Ema	ail: jim.raley@dvn.com		1	ORO										State	1
	evon-team@e		com		wo	0: 21141253		1	RO/	11	0		0.0	1	Z		~	NM CO	UT AZ	TX
Collected	d by: Edyte Ko	nan			Inci	dent ID: nAPP2307930900		£	GRO/DRO/ORO by	80%	826	6010	9 30				¥			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GR 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
11:40	5/22/2023	S	1			BH04	1	0.5	1						>)
12:00	5/22/2023	S	1			BH04	2	4'							>					
															T					
															T					
														1	+					
								_	-							+				
									-					_	-	-				
Addition	al Instruction	s:							•		•	*				1				
				of this sample. I am a		campering with or intentionally mislabelling Sampled by:	the sample loo	ation,				1,000						ceived on ice the day 5 °C on subsequent da		ed or received
Relinquish	ed by: (Signature Te Konan		Date			Received by: (Signature) Millelle (Guards	5-24	23	Time)30)	Rec	eived	on ice:		Lab L	Jse On	ly		
Relinquish	ed by: (Signature	roll	Date	Time	e 15	Raceived by: (Signature)	5.24			130	>	T1			T2			T3		
Relinquish	ed by: (Signature	V	Date	· 24:23 Z	400	Received by (Signature)	Date 5/5	173	Time	: 70	3		i Tem	p °C	4					
	rix: S - Soil, Sd - Sol		e, A - Aqueo	us, O - Other		was - / w	Containe	r Type	e: g -	glass.	p - p	_			er g	ass, v	- VOA			
				CANADO CALLO	ss other ar	rangements are made. Hazardous sar												ort for the analys	sis of the ab	ove
						is COC. The liability of the laboratory is														

envirotech

envirotech Inc.

Printed: 5/26/2023 1:58:43PM

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:	05/25/23 (08:20		Work Order ID:	E305151
Phone:	(539) 573-4018	Date Logged In:	05/24/23	16:20		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	•						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab:	NA		
Client Ir	nstruction_						
<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 16 #008

Work Order: E401138

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 16 #008

Workorder: E401138

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 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

een: 773 207 1702

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)

G 11 505 0 45 0000

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
BH04 7'	5
BH04 12'	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 16 #008	Donoutode
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:48

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH04 7'	E401138-01A Soil	01/18/24	01/23/24	Glass Jar, 2 oz.
BH04 12'	E401138-02A Soil	01/18/24	01/23/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:48:16AM

BH04 7' E401138-01

	E401130-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: EG		Batch: 2404026
ND	0.0250	1	01/23/24	01/23/24	
ND	0.0250	1	01/23/24	01/23/24	
ND	0.0250	1	01/23/24	01/23/24	
ND	0.0250	1	01/23/24	01/23/24	
ND	0.0500	1	01/23/24	01/23/24	
ND	0.0250	1	01/23/24	01/23/24	
	98.2 %	70-130	01/23/24	01/23/24	
mg/kg	mg/kg	Analy	yst: EG		Batch: 2404026
ND	20.0	1	01/23/24	01/23/24	
	93.3 %	70-130	01/23/24	01/23/24	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2404034
ND	25.0	1	01/24/24	01/24/24	
ND	50.0	1	01/24/24	01/24/24	
	81.3 %	50-200	01/24/24	01/24/24	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2404037
67.0	20.0	1	01/24/24	01/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 98.2 % mg/kg mg/kg mg/kg ND 20.0 93.3 % mg/kg ND 25.0 ND 50.0 81.3 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg Manaly ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 93.3 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 81.3 % 50-200 mg/kg mg/kg Analy	Reporting 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 0.0250 1 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KH ND 25.0 1 01/23/24 ND 25.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 Mg/kg mg/kg Analyst: KH	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/23/24 01/23/24 ND 0.0250 1 01/23/24 01/23/24 ND 0.0250 1 01/23/24 01/23/24 ND 0.0500 1 01/23/24 01/23/24 ND 0.0250 1 01/23/24 01/23/24 ND 0.0250 1 01/23/24 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/23/24 01/23/24 mg/kg mg/kg Analyst: KH ND 25.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24 ND 50.0 1 01/24/24 01/24/24



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:48:16AM

BH04 12'

		E401138-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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		96.3 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2404026
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	01/23/24	01/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2404034
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/24/24	
Surrogate: n-Nonane		84.1 %	50-200	01/24/24	01/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2404037
Chloride	69.4	20.0	1	01/24/24	01/24/24	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 1/29/2024 9:48:16AM **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 (2404026-BLK1) Prepared: 01/23/24 Analyzed: 01/23/24 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 7.55 8.00 94.4 70-130 LCS (2404026-BS1) Prepared: 01/23/24 Analyzed: 01/23/24 4.92 98.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.84 0.0250 5.00 96.7 70-130 4.90 0.0250 5.00 97.9 70-130 Toluene o-Xylene 4.84 0.0250 5.00 96.8 70-130 9.87 10.0 98.7 70-130 0.0500 p.m-Xvlene 98.1 70-130 14.7 15.0 Total Xylenes 0.0250 8.00 94.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.59 Matrix Spike (2404026-MS1) Source: E401128-01 Prepared: 01/23/24 Analyzed: 01/23/24 5.20 0.0250 5.00 ND 54-133 Benzene ND 102 61-133 Ethylbenzene 5.12 0.0250 5.00 Toluene 5.19 0.0250 5.00 ND 104 61-130 ND 103 63-131 5.13 5.00 0.0250 o-Xylene p,m-Xylene 10.4 0.0500 10.0 ND 104 63-131 15.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.70 8.00 Matrix Spike Dup (2404026-MSD1) Source: E401128-01 Prepared: 01/23/24 Analyzed: 01/23/24 5.30 0.0250 5.00 ND 54-133 1.94 ND 61-133 2.25 5.23 0.0250 5.00 105 20 Ethylbenzene Toluene 5.30 0.0250 5.00 ND 106 61-130 1 95 20 5.24 5.00 ND 105 63-131 2.16 20 o-Xylene 0.0250 10.7 10.0 ND 107 63-131 2.28 20 p,m-Xylene 0.0500



15.9

7.78

0.0250

15.0

8.00

ND

106

97.3

63-131

70-130

2.24

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:48:16AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				1/2	9/2024 9:48:16AM
	Non	halogenated	Organics l	y EPA 80	15D - Gl	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 (2404026-BLK1)							Prepared: 0	1/23/24 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 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 Anal	yzed: 01/23/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.916	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:48:16AM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno				1,	/29/2024 9:48:16A
	Nonha	logenated Or	ganics by l	EPA 8015I) - 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	alyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	43.0		50.0		86.1	50-200			
LCS (2404034-BS1)							Prepared: 0	1/24/24 Ana	alyzed: 01/24/24
Diesel Range Organics (C10-C28)	197	25.0	250		78.8	38-132			
urrogate: n-Nonane	42.5		50.0		85.0	50-200			
Matrix Spike (2404034-MS1)				Source:	E401130-0	01	Prepared: 0	1/24/24 Ana	alyzed: 01/24/24
Diesel Range Organics (C10-C28)	490	25.0	250	357	53.3	38-132			
urrogate: 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	alyzed: 01/24/24
Diesel Range Organics (C10-C28)	565	25.0	250	357	83.2	38-132	14.2	20	
'urrogate: 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:		DX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					1/29/2024 9:48:16AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2404037-BLK1)							Prepared: 0	1/24/24	Analyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404037-BS1)							Prepared: 0	1/24/24	Analyzed: 01/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2404037-MS1)				Source:	E401136-0)3	Prepared: 0	1/24/24	Analyzed: 01/24/24
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2404037-MSD1)				Source:	E401136-0)3	Prepared: 0	1/24/24	Analyzed: 01/24/24

250

20.0

ND

105

80-120

0.997

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 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:48

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 16 #008

Client: WPX Energy Permian, LLC.

Project Manager: Gilbert Moreno

Address: 13000 W County Rd 100

City, State, Zip_Odessa,TX, 79765

Lab WO#

Lab Use Only

F401138 010580007

Job Number

Analysis and Method

TAT

5 day TAT

1D 2D 3D Standard

Bill To

Attention: Jim Raley

Phone: 575-885-7502

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.

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

EPA Program

SDWA

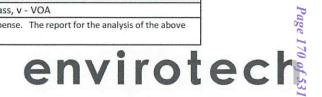
RCRA

CWA

က
2
8
1
g

Phone: 8	32-541-7	719			E	Email: jim.raley@dvn.com			8015				1 1								State	
Email: De	evon-tear	n@etech	env.com		V	VO: 21141253			by :										NM CO UT AZ	TX		
Collected	d by: Edyt	e Konan				ncident ID: nAPP2307930900		-	трн ско/око/око ьу	3021	260	010	300.0			MN	¥					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Total and The Control of the Control		Lab Number	Depth(ft.)	трн сво	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос	GDOC		Remarks			
11:10	01.18.24	S	1			BH04	1	7'								х						
11:20	01.18.24	S	1			ВН04	2	12'								х						
																		_				
													_	_	_							
									_													
						, 01,																
						01/22/24																
Addition	al Instruc	tions:														1						
						are that tampering with or intentionally misla on. Sampled by: EK	belling the samp	le loca	tion,										on ice the day they are sample an 6 °C on subsequent days.	d or		
Relinquishe	hed by: (Signature) Date Col/22/2 H Col																					
mule		syl	Date	12:24	me 30	Received by: (Signature)	1-22-	24		73	0	<u>T1</u>			_ I	2			<u>T3</u>			
Relinquishe	ed by: (Signa	H.Q.	Date 1-	22-24	Що	Received by: (Signature)	1-23-2		Time OU	00	0	AVG	Tem	p°C_	4	_						
				Aqueous, O - Oth	er	_ / /	Container															
Note: Same	ales are disc	arded 30 d	ave after re	sults are renor	ted unless	other arrangements are made Hazardo	ic camples will	horo	turnor	to al	ient o	rdien	nead a	fat the	clion	taynani	co Th	o rono	rt for the analysis of the	hove		





Printed: 1/25/2024 2:20:20PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

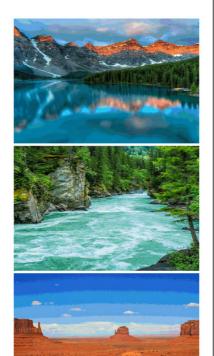
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	01/23/24	06:00		Work Order ID:	E401138
Phone:	(539) 573-4018	Date Logged In:	01/22/24	16:10		Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	01/29/24	17:00 (4 day TAT)			
Chain of	Cuntodu (COC)						
	Custody (COC)		37				
	ne sample ID match the COC? ne number of samples per sampling site location matc	ch the COC	Yes				
	amples dropped off by client or carrier?	in the COC	Yes	a			
	e COC complete, i.e., signatures, dates/times, request	tad analyzaa?	Yes Yes	Carrier: C	<u>Courier</u>		
	ll samples received within holding time?	ieu anaryses:	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		165			Comments	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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 visible ice, record the temperature. Actual sample	received w/i 15	Yes C				
	Container	iomporatare. <u></u>	<u> </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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain-		Yes				
Field Lal		ers conceted:	103				
	field sample labels filled out with the minimum infor	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analyst	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	o NA		
				Subcontract Euc). 1 1 1		
Chent II	<u>nstruction</u>						

Page 13 of 13

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 16 #008

Work Order: E305152

Job Number: 01058-007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305152

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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
BH05 0.5'	5
BH05 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH05 0.5'	E305152-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH05 4'	E305152-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 0.5' E305152-01

	E505152-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: SL			Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	96.0 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Analyst: SL			Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	89.6 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	93.6 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2321082
	mg/kg ND	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 89.6 % mg/kg ND 25.0 ND 50.0 93.6 %	Reporting Result Limit Dilution mg/kg mg/kg Analy 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 250 1 MB/kg mg/kg Analy ND 20.0 1 MB/kg mg/kg Analy ND 25.0 1 ND 50.0 1 93.6 % 50-200	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 93.6 % 50-200 05/26/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 25.0 1 05/26/23 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 05/26/23

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 4'

		E305152-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
o,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		95.5 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321082
Chloride	ND	20.0	1	05/26/23	05/27/23	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:18:51PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321067-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.69 8.00 96.2 70-130 LCS (2321067-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.84 5.00 96.7 70-130 Benzene 0.0250 Ethylbenzene 5.09 0.0250 5.00 102 70-130 5.17 0.0250 5.00 103 70-130 Toluene o-Xylene 5.21 0.0250 5.00 104 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 104 70-130 15.6 15.0 Total Xylenes 0.0250 8.00 97.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.80 Matrix Spike (2321067-MS1) Source: E305152-02 Prepared: 05/25/23 Analyzed: 05/26/23 4.52 0.0250 5.00 ND 54-133 Benzene ND 95.5 61-133 Ethylbenzene 4.77 0.0250 5.00 Toluene 4.84 0.0250 5.00 ND 96.7 61-130 4.90 ND 98.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.70 0.0500 10.0 ND 97.0 63-131 14.6 0.0250 15.0 ND 63-131 Total Xylenes 7.77 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.00 Matrix Spike Dup (2321067-MSD1) Source: E305152-02 Prepared: 05/25/23 Analyzed: 05/26/23 4.10 0.0250 5.00 ND 81.9 54-133 9.94 20 61-133 9.63 4.34 0.0250 5.00 ND 86.7 20 Ethylbenzene 61-130 Toluene 4 39 0.0250 5.00 ND 87.9 9 60 20 4.43 5.00 ND 88.6 63-131 10.1 20 o-Xylene 0.0250 8.83 10.0 ND 88.3 63-131 9.41 20 p,m-Xylene 0.0500



13.3

7.74

0.0250

15.0

8.00

ND

88.4

96.8

63-131

70-130

9.66

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	0/2023 5:18:51PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: SL		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130				
LCS (2321067-BS2)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130				
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 05/25/23 Analyzed: 0		yzed: 05/27/23	
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130				
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23	
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130				

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno					5/30/2023 5:18:51PF
	Nonha	logenated Or	ganics by l	EPA 8015I	O - 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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 1058-007					Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					5/30/2023 5:18:51PM
		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321082-BLK1)							Prepared: 0:	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)							Prepared: 0:	5/26/23 A	Analyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				Source:	E305149-	01	Prepared: 0:	5/26/23 A	Analyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			
Matrix Spike Dup (2321082-MSD1)				Source:	E305149-	01	Prepared: 0	5/26/23 A	Analyzed: 05/26/23

250

20.0

107

80-120

6.42

20

21.8

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 16 #008	
١	5315 Buena Vista Dr	Project Number:	01058-007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill To			a ta		La	b U	se On	ily		T		T.	AT		EPA P	rogram
	RDX 16 #008					ntion: Jim Raley			Lab	WO#	1		Job	Numl	oer	1	D 21	3D	Sta	ndard	CWA	SDWA
	lanager: Gilbe				Add	ress: 5315 Buena Vista Dr.			IE3	305	152	2	Dic	58.	000	7			5 da	ay TAT		
Address:	13000 W Cou	nty Rd 10	0		City	State, Zip: Carlsbad, NM, 88	8220								d Meth					A SHEELEN		RCRA
City, Stat	e, Zip_Odessa	,TX, 7976	5		Pho	ne: 575-885-7502				by						T						
Phone: 4	32-305-6415				Ema	il: jim.raley@dvn.com	Mil			ORO										Control Control	State	
Email: De	evon-team@e	techenv.o	om		WO	: 21141253	FL I			RO/	1	0		0.0			Σ		1	VM CO	UT AZ	TX
Collected	d by: Edyte Ko	nan			Incid	dent ID:			Ţ.	GRO/DRO/ORO by	80.	826	6010	e 30				¥				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	Depth(ft.)	TPH GR 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос	GDOC			Remarks	
12:20	5/22/2023	S	1			BH05	9	1	0.5'								х)
12:40	5/22/2023	S	1			вн05		2	4'								х					
																T						
						All the second s										T	\top					1100-1-1-1-1
																T	+			-		
																t	+					
																+	+					
															-	-	_	-				
																				10 m		
												1				Į.						
Addition	al Instruction	ıs:				10																
100000000000000000000000000000000000000				of this sample. I am a		mpering with or intentionally mislabel Sampled by:	lling the	sample loca	ation,											ice the day the	hey are sample	d or received
Relinquish	ed by: (Signature		Date			Received by: (Signature)	[S-24&	13	Time	30		Rece	ived	on ice:	100	Lab	Jse Or	nly			
Relinquish	ed by: (Signature		Date	Time	815	Received by: (Signature)	1	5.24	5557		330		T1	, red	on ice.	Т			Т	3		
	ed by: (Signature	1)9	Date	Time	400	Received by: (Signature)		Date State	23	Time				Tem	n°C	4						
-	trix: S - Soil, Sd - So		e, A - Aqueo			That I was		Container	Type	-		p - p				ber	elass v	- VOA				
					ss other arr	angements are made. Hazardous													ort for t	he analysi	s of the ah	ove
samples is	applicable only t	o those san	ples recei	ed by the laborate	ory with this	COC. The liability of the laborator	ry is lim	ited to the	amo	unt pa	id for	on th	e repo	ort.			oranio politica			2.10.731		

envirotech

envirotech Inc.

Printed: 5/26/2023 1:59:59PM

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:	05/25/23 (08:20		Work Order ID:	E305152
Phone:	(539) 573-4018	Date Logged In:	05/25/23 (08:27		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		,	
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		· • • · · · · · <u>-</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	7	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	icis conceica.	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
-	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab:	NA		
				Succentract Las.	1471		
Chent In	<u>istruction</u>						

Date

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

Received by OCD: 8/6/2024 5:09:55 PM

	PX Energy Per	rmian LLC			機體	Bill To				Lá	ab Us	se Or	nly				TA	T		EPA P	rogram
	RDX 16 #008					Attention: Jim Raley			WO#			Job	Numb	per	1D	2D	3D	Sta	andard	CWA	SDWA
	lanager: Gilbe					Address: 5315 Buena Vista Dr.		IE3	305	15.	2	Dic	22.B-	0007				5 c	lay TAT		
	13000 W Cou					City, State, Zip: Carlsbad, NM, 88220				100		Analy	ysis an	d Metho	d					RELEGI	RCRA
	e, Zip_Odessa	,TX, 7976	55			Phone: 575-885-7502	1/19/19		by by										No. of American		
	32-305-6415					Email: jim.raley@dvn.com			ORC											State	
	von-team@e		com			WO: 21141253			RO/	77	0	0	0.0		Z		_		NM CO	UT AZ	TX
Collected	by: Edyte Ko	nan			1834	Incident ID: NAPP 2307309	00	F	GRO/DRO/ORO by	802	8260	109	30		1		¥				
Time Sampled	Date Sampled	Matrix	No. of .Containers	Sample ID			Lab Number	Depth(ft.)	TPH GR 8015	втех ьу	VOCby	Metals 6010	Chloride		BGDOC		GDOC			Remarks	
12:20	5/22/2023	S	1			BH05	1	0.5'							x	-			Added	0	ient
12:40	5/22/2023	S	1			BH05	2	4'							X		ŧ	CHAR	# to		
																			Gilbe	ct	10
																			5/26		m
																			0160	00 (<i>J.</i> (
			A CALL																		
		7553																			
Addition	al Instruction	s:	1000									i									
				of this sample. I am e grounds for legal		that tampering with or intentionally mislabelling th Sampled by:	ne sample loca	ation,				100000000000000000000000000000000000000		NAME OF TAXABLE PARTY OF TAXABLE PARTY.					on ice the day the	Charles and Charles and Charles	ed or received
Edeste	ed by: (Signature		Date 0 S	124123 Time		Received by: (Signature)	5-242	13	Time 10	30		Rece	eived	on ice:		ab Us	e On	ly			
Mu	ed by: (Signature	woll	Date	29-23 Time	815		3.24	23	Time.	330		T1			T2				T3		
Relinguish	ed by: (Signature		Date 5	24.23 7	160	Received by: (Signature)	Blas 18	3	Time	20		AVG	Tem	p°c_ (F			MIL MIL			
Sample Mat	rix: S - Soil, Sd - So						Container	Туре	e: g - g	glass,	p-p	oly/pl	astic,	ag - ambe	er gla	ss, v -	VOA				
						ner arrangements are made. Hazardous samp	oles will be r	eturn	ed to	client	or dis	posed	of at t	he client e	expens	se. Th	ne repo	ort for	the analysis	of the abi	ove
camplac ic	applicable only	a thora can	nalor rocain	and by the laborat	oniu	th this COC The liability of the laboratory is li	matter of the three			tal Face		year	Section 1								

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

Page 185 of 331

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 16 #008

Work Order: E401139

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 16 #008

Workorder: E401139

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 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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
BH05 7'	5
BH05 12'	6
BH05 15'	7
BH05 18'	8
BH05 20'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Description
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:26

Client Sample ID	Lab Sample ID Mat	rix Sampled	Received	Container
BH05 7'	E401139-01A So	1 01/18/24	01/23/24	Glass Jar, 2 oz.
BH05 12'	E401139-02A So	1 01/18/24	01/23/24	Glass Jar, 2 oz.
BH05 15'	E401139-03A So	1 01/18/24	01/23/24	Glass Jar, 2 oz.
BH05 18'	E401139-04A So	1 01/18/24	01/23/24	Glass Jar, 2 oz.
BH05 20'	E401139-05A So	1 01/18/24	01/23/24	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

BH05 7' E401139-01

	E-101137-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0500	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
	95.4 %	70-130	01/23/24	01/25/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
ND	20.0	1	01/23/24	01/25/24	
	89.8 %	70-130	01/23/24	01/25/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2404036
ND	25.0	1	01/24/24	01/25/24	
ND	50.0	1	01/24/24	01/25/24	
	90.7 %	50-200	01/24/24	01/25/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2404039
63.3	20.0	1	01/24/24	01/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit 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 89.8 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 90.7 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 MD 25.4 % 70-130 mg/kg mg/kg Anal ND 20.0 1 89.8 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 90.7 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/24 ND 50.0 0 01/24/2	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0500 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/25/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/25/24 Mg/kg mg/kg Analyst: KM ND 25.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24 01/25/24 Mg/kg mg/kg



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

BH05 12'

		E401139-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2404029
Benzene	ND	0.0250	1	01/23/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/25/24	
Toluene	ND	0.0250	1	01/23/24	01/25/24	
o-Xylene	ND	0.0250	1	01/23/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/25/24	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		99.1 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2404039
Chloride	65.2	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

BH05 15' E401139-03

	L+01157 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
ND	0.0500	1	01/23/24	01/25/24	
ND	0.0250	1	01/23/24	01/25/24	
	95.2 %	70-130	01/23/24	01/25/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2404029
ND	20.0	1	01/23/24	01/25/24	
	89.4 %	70-130	01/23/24	01/25/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2404036
ND	25.0	1	01/24/24	01/25/24	
ND	50.0	1	01/24/24	01/25/24	
	97.8 %	50-200	01/24/24	01/25/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2404039
ND	20.0	1	01/24/24	01/24/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg ND 20.0 89.4 % mg/kg ND 25.0 ND 50.0 97.8 % mg/kg mg/kg mg/kg	Reporting 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 25.2 % 70-130 mg/kg mg/kg Anal ND 20.0 1 89.4 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 97.8 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA 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: BA ND 20.0 1 01/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/23/24 ND 25.0 1 01/24/24 ND 50.0 1 01/24/24 ND 50.0 1 01/24/24 Mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0500 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 ND 0.0250 1 01/23/24 01/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 01/23/24 01/25/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24 01/25/24 ND 50.0 1 01/24/24 01/25/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

BH05 18' E401139-04

		L-101157 0-1				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2404029
Benzene	ND	0.0250	1	01/23/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/25/24	
Toluene	ND	0.0250	1	01/23/24	01/25/24	
o-Xylene	ND	0.0250	1	01/23/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/25/24	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		98.5 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2404039
Chloride	64.5	20.0	1	01/24/24	01/24/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

BH05 20' E401139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: BA		Batch: 2404029
Benzene	ND	0.0250	1	01/23/24	01/25/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/25/24	
Toluene	ND	0.0250	1	01/23/24	01/25/24	
o-Xylene	ND	0.0250	1	01/23/24	01/25/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/25/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/25/24	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2404029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	01/23/24	01/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2404036
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		101 %	50-200	01/24/24	01/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2404039
Chloride	62.5	20.0	1	01/24/24	01/24/24	



		QC 50	ullilli	ary Data					
WPX Energy - Carlsbad		Project Name:	R	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					1/29/2024 9:26:45AM
		Volatile O	rganics	by EPA 8021	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 (2404029-BLK1)							Prepared: 0	1/23/24 A	nalyzed: 01/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			
LCS (2404029-BS1)							Prepared: 0	1/23/24 A	nalyzed: 01/24/24
Benzene	4.00	0.0250	5.00		80.0	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.2	70-130			
Toluene	4.00	0.0250	5.00		80.0	70-130			
o-Xylene	3.97	0.0250	5.00		79.4	70-130			
p,m-Xylene	7.98	0.0500	10.0		79.8	70-130			
Total Xylenes	12.0	0.0250	15.0		79.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			
Matrix Spike (2404029-MS1)				Source: I	E401137-	03	Prepared: 0	1/23/24 A	analyzed: 01/24/24
Benzene	4.09	0.0250	5.00	ND	81.7	54-133			
Ethylbenzene	3.89	0.0250	5.00	ND	77.8	61-133			
Toluene	4.08	0.0250	5.00	ND	81.5	61-130			
o-Xylene	4.16	0.0250	5.00	ND	83.2	63-131			
p,m-Xylene	8.09	0.0500	10.0	ND	80.9	63-131			
Total Xylenes	12.2	0.0250	15.0	ND	81.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			
Matrix Spike Dup (2404029-MSD1)				Source: I	E401137-	03	Prepared: 0	1/23/24 A	analyzed: 01/24/24
Benzene	4.56	0.0250	5.00	ND	91.1	54-133	10.9	20	
Ethylbenzene	4.36	0.0250	5.00	ND	87.3	61-133	11.5	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	11.0	20	
o-Xylene	4.58	0.0250	5.00	ND	91.7	63-131	9.71	20	
p,m-Xylene	9.04	0.0500	10.0	ND	90.4	63-131	11.1	20	
Total Vylanas	12.6	0.0250	15.0	ND	9.00	62 121	10.6	20	



13.6

8.03

0.0250

15.0

8.00

ND

90.8

100

63-131

70-130

10.6

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				1/2	9/2024 9:26:45A		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2404029-BLK1)							Prepared: 0	1/23/24 Anal	yzed: 01/24/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130					
LCS (2404029-BS2)							Prepared: 0	1/23/24 Anal	yzed: 01/24/24		
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130					
Matrix Spike (2404029-MS2)				Source:	E401137-0)3	Prepared: 0	1/23/24 Anal	yzed: 01/24/24		
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130					
Matrix Spike Dup (2404029-MSD2)				Source:	E401137-0)3	Prepared: 0	1/23/24 Anal	yzed: 01/24/24		
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.7	70-130	6.84	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130					

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	1/29/2024 9:26:45AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					1/29/2024 9:26:45A
	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 (2404036-BLK1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.3		50.0		96.5	50-200			
LCS (2404036-BS1)							Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
urrogate: n-Nonane	46.2		50.0		92.5	50-200			
Matrix Spike (2404036-MS1)				Source:	E401136-0)3	Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132			
urrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike Dup (2404036-MSD1)				Source:	E401136-0)3	Prepared: 0	1/24/24 Ar	nalyzed: 01/24/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.46	20	
Gurrogate: n-Nonane	47.3		50.0		94.6	50-200			

Matrix Spike Dup (2404039-MSD1)

Chloride

314

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 01	DX 16 #008 1058-0007 ilbert Moreno					Reported: 1/29/2024 9:26:45AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				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 (2404039-BLK1)							Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404039-BS1)							Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2404039-MS1)				Source:	E401139-	04	Prepared: 0	1/24/24 Aı	nalyzed: 01/24/24
Chloride	314	20.0	250	64.5	99.6	80-120			

250

20.0

Source: E401139-04

99.9

80-120

0.181

64.5

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: 01/24/24 Analyzed: 01/24/24

20

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	01/29/24 09:26

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.



Pag	ge1_	of _	_1_	Receive
m VA				ed by OC
RA				Received by OCD: 8/6/2024 5:09:55 PM
				24 5:09:55
				PM

Client: V	VPX Energ	y Permia	an, LLC.		Bill To			1Ed	La	ab Us	se Or	nly				T/	ΑT		EPA P	rogram
	RDX 16#0				Attention: Jim Raley		Lab	WO	#	_	Job	Num	ber		D 2D	3D			CWA	SDWA
	Manager:				Address: 5315 Buena Vista Dr.		EL	10	13	9	01	228	8	#			5 day	y TAT		
	: 13000 W	A PROPERTY OF THE PARTY OF THE	CATALON CANADAY		City, State, Zip: Carlsbad, NM, 88	3220	1				Analy	sis a	nd Meth	od						RCRA
_	te, Zip_O		79765		Phone: 575-885-7502			L.												
	332-541-7	70.935.0			Email: jim.raley@dvn.com			801											State	
Email: D	evon-tea	m@etech	nenv.com		WO: 21141253			yd C									N	м со	UT AZ	TX
1					Incident ID: nAPP2307930900			/ORC												
0 11 1								JRO,	121	09	0	0.00			Σ	×				
	d by: Edyt	e Konan				Testerale	£	RO/I	oy 80	y 82	\$ 601	de 3(- 1			-	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	GDOC			Remarks	
11:30	01.18.24	S	1		BH05		7'	_		_	-	0			x	Ť				
12.50	02.20.21				51105	-	<u> </u>			_		_				+				
11:40	01.18.24	S	1		BH05	2	12'								х					
11:50	01.18.24	S	1		BH05	3	15'							8	х					
12:00	01.18.24	S	1		BH05	4	18'								x					
12:10	01.18.24	S	1		BH05	5	20'							8	х					
					01/22/2H									-						
					81122									+	-	+				
		_												+	+	-				
Addition	nal Instru	ctions:																		
				ticity of this sample.	I am aware that tampering with or intentionally mis	labelling the sam	ole loca	ition,					15						they are sam sequent days.	pled or
Relinquish	ed by: (Sign	ature)	Date	122124 1184	Received by: (Signature) While Conh	Date 1-22-	14	Time	40)	Rec	eived	l on ice	: (Lab (Jse Or N	nly			
mill		sufer	-	12-24 16 Time	Received by: (Signature) Received by: (Signature)	Date 1-22	-11	Time	13	00	T1			<u>T</u>	2		I	3		
Cana	ed by:\(Signa	WOR.	Date	77-14 71	Keceived by: (Signature)	1.23·2	24	100000000		7	AVC	Ten	np °C	4						
155	A STATE OF THE STA	d - Solid, Sp -	Sludge. A - A	Aqueous, O - Other	in white is the	Container									glass	v - VC	A			
					unless other arrangements are made. Hazard			-							-			or the an	alysis of th	e above
					oratory with this COC. The liability of the labor									servesitió)			* S. S.			.c. (2005)

6

e. The report for the analysis of the above

envirotechia

envirotechia

Page 15 of 16

Page 201 of 531

Printed: 1/25/2024 2:32:27PM

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:	E401139
Phone:	(539) 573-4018	Date Logged In:	01/22/24	16:10		Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	01/29/24	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	1.1.000	Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il 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 disucssion		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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 C				
Sample C			<u>~</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		iers conceted.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	act <u>Laboratory</u> Imples required to get sent to a subcontract laborator	ers 2	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	· NI A		
		30 WIIO:	1421	Subcontract Lau	, INA		
Client In	struction						

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 16 #008

Work Order: E305150

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305150

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH06 0.5'	5
BH06 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

_			*	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E305150-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH06 4'	E305150-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 0.5' E305150-01

	E303130-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
			•	,	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2321061
ND	0.0250	1	05/25/23	05/27/23	
0.0454	0.0250	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
0.0636	0.0250	1	05/25/23	05/27/23	
0.157	0.0500	1	05/25/23	05/27/23	
0.221	0.0250	1	05/25/23	05/27/23	
	109 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2321061
ND	20.0	1	05/25/23	05/27/23	
	90.8 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2321057
611	25.0	1	05/25/23	05/26/23	
255	50.0	1	05/25/23	05/26/23	
	124 %	50-200	05/25/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321082
			05/26/23	05/27/23	<u> </u>
	0.0454 ND 0.0636 0.157 0.221 mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 0.0454 0.0250 ND 0.0250 0.0636 0.0250 0.157 0.0500 0.221 0.0250 I09 % mg/kg ND 20.0 90.8 % mg/kg mg/kg mg/kg 611 25.0 255 50.0	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 0.0454 0.0250 1 ND 0.0250 1 0.0636 0.0250 1 0.157 0.0500 1 0.221 0.0250 1 109 % 70-130 mg/kg mg/kg Anal ND 20.0 1 90.8 % 70-130 mg/kg mg/kg Anal 611 25.0 1 255 50.0 1	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 05/25/23 0.0454 0.0250 1 05/25/23 ND 0.0250 1 05/25/23 0.0636 0.0250 1 05/25/23 0.157 0.0500 1 05/25/23 0.221 0.0250 1 05/25/23 mg/kg mg/kg Analyst: IY ND 20.0 1 05/25/23 mg/kg mg/kg Analyst: JL 611 25.0 1 05/25/23 mg/kg mg/kg Analyst: JL 611 25.0 1 05/25/23 255 50.0 1 05/25/23 mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/25/23 05/27/23 0.0454 0.0250 1 05/25/23 05/27/23 ND 0.0250 1 05/25/23 05/27/23 0.0636 0.0250 1 05/25/23 05/27/23 0.157 0.0500 1 05/25/23 05/27/23 0.221 0.0250 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IY ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IV ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: JL 05/25/23 05/27/23 05/27/23 mg/kg mg/kg Analyst: JL 05/25/23 05/26/23 05/26/23 255 50.0 1 05/25/23 05/26/23 <td< td=""></td<>



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 4'

		E305150-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	aalyst: IY		Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: JL		Batch: 2321057
Diesel Range Organics (C10-C28)	34.4	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		110 %	50-200	05/25/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2321082
Chloride	91.2	20.0	1	05/26/23	05/27/23	



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Matrix Spike Dup (2321061-MSD1)

8.04

4.44

4.63

4 78

4.89

9.58

14.5

7.98

QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:23:53PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321061-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.95 8.00 99.4 70-130 LCS (2321061-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.31 5.00 86.2 70-130 Benzene 0.0250 Ethylbenzene 4.50 0.0250 5.00 90.0 70-130 4.65 0.0250 5.00 93.0 70-130 Toluene 4.75 95.0 o-Xylene 0.0250 5.00 70-130 9.32 10.0 93.2 70-130 0.0500 p.m-Xvlene 93.8 70-130 14.1 15.0 Total Xylenes 0.0250 8.00 99.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 Matrix Spike (2321061-MS1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.83 0.0250 5.00 ND 96.7 54-133 Benzene ND 61-133 Ethylbenzene 5.06 0.0250 5.00 101 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

8.51

8.90

8 78

8.62

8.86

8.78

Source: E305149-03

88.8

92.6

95.6

97.8

95.8

96.4

99.8

ND

ND

ND

ND

ND

ND



Prepared: 05/25/23 Analyzed: 05/26/23

20

20

20

20

20

20

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/	30/2023 5:23:53PM
	Non	halogenated	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
					70	70			
Blank (2321061-BLK1)							Prepared: 0	5/25/23 Ana	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			
LCS (2321061-BS2)							Prepared: 0	5/25/23 Ana	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			
Matrix Spike (2321061-MS2)	Source: E305149-03 Prepared: 0.						5/25/23 Ana	lyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130			
Matrix Spike Dup (2321061-MSD2)				Source:	E305149-	03	Prepared: 0	5/25/23 Ana	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.02		8.00		75.2	70-130			

WPX Energy - Carlsbad Project Name: RDX 16 #008 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:23:53PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno					5/30/2023 5:23:53PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321057-BLK1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			
LCS (2321057-BS1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike (2321057-MS1)				Source:	E305146-0	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			
Matrix Spike Dup (2321057-MSD1)				Source:	E305146-	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #008 1058-0007 ilbert Moreno			Reported: 5/30/2023 5:23:53PM			
L		Anions	by EPA 3	300.0/9056A					Analyst: RAS	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2321082-BLK1)							Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	ND	20.0								
LCS (2321082-BS1)							Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2321082-MS1))1	Prepared: 0	5/26/23	Analyzed: 05/26/23				
Chloride	272	20.0	250	21.8	99.9	80-120				
Matrix Spike Dup (2321082-MSD1)				Source:	E305149-	01	Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	290	20.0	250	21.8	107	80-120	6.42	20		

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Per	mian LLC		To	Bill To			archini		La	b Us	e On	ly		TAT EPA Pro						
	DX 16 #008				Attention: Jim Raley			Lab WO# Job Number E 305 50 01058-1					er		2D	3D	Standard	CWA	SDWA		
	lanager: Gilbe	rt Moren	0		Address: 5315 Buena Vista	Dr.		FE	300	515	0	01058-0007						5 day TAT			
	13000 W Cou			The state of the s	City, State, Zip: Carlsbad, N	VM, 88220		-						d Metho						RCRA	
	e, Zip Odessa	The second control of the second			Phone: 575-885-7502				by						T						
	32-305-6415				Email: jim.raley@dvn.com				ORO	-									State	, i	
The bys Votable condition of the	von-team@e	techeny.c	om		WO: 21141253				30/0	П.	_		0.0		Σ			NM CO	UT AZ	TX	
	Collected by: Edyte Konan				Incident ID:			~	J/DF	802	3260	010	300		1						
Time			No. of		moracine is:		Lab	:h(ft	GRC	(by	by	als 6	ride		18		2		5 1		
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number	Depth(ft.)	трн GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	ć	
13:00	5/22/2023	S	1		BH06		1	0.5'							х						
13:20	5/22/2023			 	BH06		2	V234							1.						
13.20	3/22/2023	S	1		B1100		2	4'							Х						
															\top						
											-		+	-	-						
					. 27,	180															
												-		_	+	+					
															T						
										_		-			+	+					
			>:																		
Addition	al Instruction	s:	I market			TAIL S						•						<u> </u>			
I, (field same	oler), attest to the	validity and a	uthenticity	of this sample. I am aw	are that tampering with or intentionally	mislabelling the	sample loca	ation,				18						ceived on ice the day		led or received	
1 0-12/				e grounds for legal act								packed	d in ice a	t an avg tem	d			6 °C on subsequent da	ays.		
Relinquish	ed by: (Signature)	Date	Time	Received by (Signature)		Date 010	-12	Time	67-							lse Or	nly			
	2 Konar		05	124123 1093		uny !	524	23	110	530		Rec	eived	on ice:	(Y)/ N	1				
	ed by: (Signature		Date 5.	3423 Time	Received by: (Signature)	300	5.U	1.23	Time	23	0	T1 T2 T3									
Relinquished by: (Signature) / Date Time Received by (Signat						I	Date		Time	~					(
HADE	bu ma	50	5	5-24.23 LG	00 (Buth M	Con ?	0/25/2	23	8.	00			Tem		7						
Sample Mat	rix: S - Soil, Sd - So	id, Sg - Sludg	e, A - Aque	ous, O - Other			Containe														
Note: Sam	ples are discarde	d 30 days a	fter result	are reported unless	other arrangements are made. Ha	zardous sample	es will be r	return	ed to	client	or di	sposed	of at	the client	expe	nse.	The rep	ort for the analy	sis of the al	e svoc	
samples is	applicable only t	o those san	nples recei	ved by the laborator	y with this COC. The liability of the la	aboratory is lim	ited to the	e amo	unt p	aid for	on the	he rep	ort.								

envirotech Inc.

Printed: 5/26/2023 1:57:24PM

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:	05/25/23 08	3:20	Work Order ID:	E305150
Phone:	(539) 573-4018	Date Logged In:	05/24/23 16	5:19	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23 17	7:00 (4 day TAT)		
Chain of C	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	mples dropped off by client or carrier?		Yes	Carrier: Courier		
	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Comment	s/Resolution
Sample To	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
	ample cooler received?		Yes			
8. If yes, v	vas cooler received in good condition?		Yes			
9. Was the	sample(s) received intact, i.e., not broken?		Yes			
10. Were c	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples arminutes of sampling isible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C		- F	_			
	ueous VOC samples present?		No			
-	OC samples collected in VOA Vials?		NA			
	nead space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	n-VOC samples collected in the correct containers	?	Yes			
	ppropriate volume/weight or number of sample contai		Yes			
Field Lab	el					
20. Were f	— ield sample labels filled out with the minimum info	ormation:				
	mple ID?		Yes			
	nte/Time Collected?		Yes			
	ollectors name?		Yes			
	reservation		NT.			
	he COC or field labels indicate the samples were p	reserved?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved r	natole?	NA Na			
	•	netais:	No			
	se Sample Matrix	o.				
	he sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontra	act Laboratory					
	mples required to get sent to a subcontract laborate	•	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA S	Subcontract Lab: NA		
Client In	<u>struction</u>					
						I

Date

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

Project In	formation							Chain of (Custody													F	age 1 of	Received by
Client: W	PX Energy Per	mian IIC			100			Bill To		STATE	distant.	La	b Us	e Onl	v	22/12/9			ī	AT	EPA Progr			75
	DX 16 #008	man Eco				Atter	ntion: Jim Rale			Lab	WO#			Job N		oer	1	D 20		A STATE OF THE PARTY OF THE PAR	andard	CWA	SDWA	OCD:
	lanager: Gilbe	ert Moren	0			Addr	ess: 5315 Buer	na Vista Dr.		Lab WO# E 305150					58.	$-\alpha \alpha$					lay TAT			- p
	13000 W Cou					The second second	State, Zip: Carl)	LOUDDO						d Met							RCRA	7 ∞	
	e, Zip_Odessa						e: 575-885-75			à				. [T				15	
	32-305-6415	,,,,,,,,				OF THE PROPERTY.	l: jim.raley@d				ORO	1,2%										State	assilia siimkaa	8/6/2024
Annual Control of the	evon-team@e	techeny.c	om				21141253	VII.COIII		1	0/0	1			0			Z			NM CO	UT AZ	TX	
	by: Edyte Kor					Incid	ent ID: AAP	2307930	900	-	JO/OF	802	3260	010	300				×				188	0
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Intere	CHEIDI		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	GDOC			Remarks		5:09:55
13:00	5/22/2023	S	1				ВН06		1	0.5'	2000							х			Addo	d inc	dent	PM
13:20	5/22/2023	S	1				вно6		2	4'		W.						x						
																					# to COC pe			
																		5/210/23				cm		
								THE SALES																
DATE:																								
	al Instruction													T-										
date or time	of collection is con	nsidered frau	id and may b	e grounds for	egal actio	in.	Sample	entionally mislabelling ed by:			L	-						ove 0 bu	t less than	n 5°C on	subsequent o	they are samp lays.	iled of received	
Edyte		1		124123	Time 10 ; 3	0	Received by: (Sign	RECURL	524	23	Time	532	3	Rece	eived	on ic	e:	Lab Y/	Use O N	nly				
Mice	ed by: (Signature	legels	Date 5	5423	Time 81	5	Regeived by: (Sign	MUSSO	3.2	1.23	119	33	0	<u>T1</u>			_]	2			<u>T3</u>			
Relinquish	ed by: (Signature		Date 5	-24.23	24	0	Received by (Sign	Mon	5/25/	23	8:	05		AVG			4							
	trix: S - Soil, Sd - So						ening a San are superiors		Containe															
								ade. Hazardous san								the cli	ent exp	ense.	The re	port fo	r the analy	sis of the a	bove	P



envirotech

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E406236

Job Number: 01058-0007

Received: 6/26/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/28/24

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: 6/28/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E406236

Date Received: 6/26/2024 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

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 Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH07 0.5'	5
BH07 4'	6
BH07 8'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
-	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.
	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/28/24 08:42

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH07 0.5'	E406236-01A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.
BH07 4'	E406236-02A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.
BH07 8'	E406236-03A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/28/2024 8:42:24AM

BH07 0.5' E406236-01

		E400230-01				
	D 1	Reporting	D 3.43	ъ		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2426036
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
o,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2426036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2426034
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		99.8 %	50-200	06/26/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2426038
Chloride	11300	200	10	06/26/24	06/26/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/28/2024 8:42:24AM

BH07 4'

		E406236-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2426036
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2426036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2426034
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		99.0 %	50-200	06/26/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2426038
Chloride	14500	200	10	06/26/24	06/26/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/28/2024 8:42:24AM

BH07 8'

E406236-03

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2426036
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2426036
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2426034
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		102 %	50-200	06/26/24	06/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2426038
Chloride	1670	40.0	2	06/26/24	06/26/24	



		QC SI	umma	iry Data	l				
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 .058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	Aı	nna Byers					6/28/2024 8:42:24AN
		Volatile O	rganics b	y 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 (2426036-BLK1)							Prepared: 0	6/26/24 <i>A</i>	Analyzed: 06/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			
LCS (2426036-BS1)							Prepared: 0	6/26/24 A	Analyzed: 06/26/24
Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
-Xylene	5.06	0.0250	5.00		101	70-130			
,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			
Matrix Spike (2426036-MS1)				Source:	E406232-	07	Prepared: 0	6/26/24 A	Analyzed: 06/26/24
Benzene	10.9	0.0500	10.0	ND	109	54-133			
Ethylbenzene	10.3	0.0500	10.0	ND	103	61-133			
oluene	10.7	0.0500	10.0	ND	107	61-130			
-Xylene	10.5	0.0500	10.0	ND	105	63-131			
o,m-Xylene	21.1	0.100	20.0	ND	106	63-131			
Total Xylenes	31.6	0.0500	30.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	15.1		16.0		94.3	70-130			
Matrix Spike Dup (2426036-MSD1)				Source:	E406232-	07	Prepared: 0	6/26/24 A	Analyzed: 06/26/24
Benzene	10.4	0.0500	10.0	ND	104	54-133	4.70	20	
Ethylbenzene	9.76	0.0500	10.0	ND	97.6	61-133	4.97	20	
Toluene	10.2	0.0500	10.0	ND	102	61-130	4.91	20	
o-Xylene	10.0	0.0500	10.0	ND	100	63-131	4.78	20	
p,m-Xylene	20.1	0.100	20.0	ND	101	63-131	4.89	20	
Total Villanas	20.1	0.0500	20.0	ND	100	62 121	1 95	20	



30.1

15.0

0.0500

30.0

16.0

ND

100

94.1

63-131

70-130

4.85

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/28/2024 8:42:24AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6/2	8/2024 8:42:24AM
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2426036-BLK1)							Prepared: 0	6/26/24 Anal	yzed: 06/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			
LCS (2426036-BS2)							Prepared: 0	6/26/24 Anal	yzed: 06/26/24
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			
Matrix Spike (2426036-MS2)				Source:	E406232-	07	Prepared: 0	6/26/24 Anal	yzed: 06/26/24
Gasoline Range Organics (C6-C10)	102	40.0	100	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	16.9		16.0		106	70-130			
Matrix Spike Dup (2426036-MSD2)				Source:	E406232-	07	Prepared: 0	6/26/24 Anal	yzed: 06/26/24
Gasoline Range Organics (C6-C10)	104	40.0	100	ND	104	70-130	2.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	16.8		16.0		105	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/28/2024 8:42:24AM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6/.	28/2024 8:42:24A
	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 (2426034-BLK1)							Prepared: 0	6/26/24 Ana	lyzed: 06/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.6		50.0		107	50-200			
LCS (2426034-BS1)							Prepared: 0	6/26/24 Ana	lyzed: 06/27/24
Diesel Range Organics (C10-C28)	305	25.0	250		122	38-132			
urrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike (2426034-MS1)				Source:	E406232-	05	Prepared: 0	6/26/24 Ana	lyzed: 06/27/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132			
urrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike Dup (2426034-MSD1)				Source:	E406232-	05	Prepared: 0	6/26/24 Ana	lyzed: 06/27/24
Diesel Range Organics (C10-C28)	325	25.0	250	ND	130	38-132	3.13	20	
Turrogate: n-Nonane	54.5		50.0		109	50-200			



WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		1058-0007 nna Byers					6/28/2024 8:42:24AM
		Anions 1	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2426038-BLK1)							Prepared: 0	6/26/24 <i>A</i>	Analyzed: 06/26/24
Chloride	ND	20.0							
LCS (2426038-BS1)							Prepared: 0	6/26/24	Analyzed: 06/26/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2426038-MS1)				Source:	E406232-0)2	Prepared: 0	6/26/24 A	Analyzed: 06/26/24
Chloride	451	20.0	250	200	100	80-120			
Matrix Spike Dup (2426038-MSD1)				Source:	E406232-0)2	Prepared: 0	6/26/24	Analyzed: 06/26/24
Chloride	454	20.0	250	200	102	80-120	0.604	20	

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/28/24 08:42

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.



Received by	
OCD:	
8/6/2024	
5:09:55	
PM	

Project Ir	nformatio	n				Chain o	of Cus	stody											
Client: W	/PX Energ	v Permia	n IIC		Bill To			25/7/15	1-	ab Us	0.00	dve		_		TA	\T	FDΔ	Program
Project:	RDX 16 #0	INS	11, LLC.				Lab	MO	_			Num	bor	10	2D	3D	Standard	CWA	
	Manager:		rc	The state of the s	Attention: Jim Raley Address: 5315 Buena Vista D)r	Lab	WO#	221						120	30	5 day TAT	CVVA	3DVV/
	13000 W				City, State, Zip: Carlsbad, NA		E	100	230				3-0007		1		3 day IAI		RCRA
					Phone: 575-885-7502	VI, 0022U	-				anaiy	isis a	nd Metho	a T	_				- KCK/
	e, Zip_Oc		79703				-	15								1 1		CL 1	
	32-305-6	RUNNING.			Email: jim.raley@dvn.com		-	80						1				State	- I / I
:mail: D	evon-tear	n@etech	env.com		WO: 21141253		1	o by						1		1 1	NM CO	UI A	Z TX
					Incident ID: nAPP2307930900)		/OR							1	1 1			
o 11								ORO,	121	90	0.	0.00		ΣZ		¥			1 1
Collected	by: Edyt	e Konan					£	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				1 1	×		
Time	Date	Matrix	No. of	Sample ID		Lab	Depth(ft.)	15	EX b	C b)	tals	loric		верос		GDOC		Remark	(S
Sampled	Sampled	18000000000	Containers			Number	De	Ţ	BTI	9	N N	5		BG		35		100000000000000000000000000000000000000	135.X
10:00	06.21.24	S	1		вно7	1	0.5							x					
						- L	-								_				
10:10	06.21.24	S	1		вно7	2	4'							x					
														_^					
10:20	06.21.24	S	1		BH07	3	8'							x					
10.20	00.21.24	3	1											_^					
															1				
															1				
															1	\vdash			
																1 1			
Addition	al Instruc	tions	l		The same section of the sa		_							L		لــــا			
raultion	ai ilistiut	dons:																	
I Ifiald came	oler) attest to	the validite	and authors	icity of this sample	e. I am aware that tampering with or intentiona	ally mislahelling the cam	nle Inc	ation			Sample	es reau	Iring thermal	preserv	vation m	ust be re	eceived on ice the da	y they are sa	mpled or
1477				may be grounds for	VI NO 240	any misiabening the same	pie ioce	rtion,		- 1							less than 6 °C on sub		
	ed by: (Signa	A Committee of the Comm	Date	Time		Date		Time)		200	en il sie		(C-1.2)	ah 11	50 On	l.	graffastav.	No. of the last
Kelinquish	ed by: (Signa	iture)	1/1	10011	Received by (signature)	10.16	94	17	197	7						se On	ily		
Delia Oriala	ad boo follows	******	Oato	524 Time	(C) (MV	Date	2	Time	UC	/	Kece	eived	d on ice:		Y / N	1			
Relinquish	ed by: (Signa	iture)	Oate	76. X/ 1	Received by: (Signature)	6.25	24.		70	00									
211	11 = 10:		70-	2011	CA. J.		· vų		40	U	11			<u>T2</u>			<u>T3</u>		
Kelinquish	ed by: (Signa	iture)	Date	Time	Received by: (Signature)	Date		Time						1					
(J. J.	1	6.	15.24 2	313 hugher & He	ell 6-26-	74	0	60	O	AVG	Ten	np °C						
8 7165	C C	I Called Ca	Sludge A	queous, O - Other		Containe	Tune		Tlace		-1.1.	14:				. 110	Δ.		





Printed: 6/27/2024 12:06:31PM

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:	06/26/24	06:00		Work Order ID:	E406236
Phone:	(575) 200-6754	Date Logged In:	06/25/24	16:44		Logged In By:	Raina Schwanz
Email:	anna@etechenv.vom	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_			
5. Were al	Il 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 disucssis.					Comments	s/Resolution
Cample T		on.					<u></u>
	COC indicate standard TAT, or Expedited TAT?		Yes				
	•		103				
Sample C	cample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C,		Yes				
	Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15					
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°	C				
Sample C		<u> </u>	<u>~</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		ners conceica:	103				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	ornation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	ry?	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	: NA		
	struction						
CHERTI	isti uction						

Report to:
Anna Byers





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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E406234

Job Number: 01058-0007

Received: 6/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/27/24

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: 6/27/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E406234

Date Received: 6/26/2024 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

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 Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH08 0.5'	5
BH08 4'	6
BH08 8'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Domonto do
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/27/24 16:01

Client Sample ID	Lab Sample ID Matrix	Sampled Rec	ceived Container
BH08 0.5'	E406234-01A Soil	06/21/24 06/2	26/24 Glass Jar, 2 oz.
BH08 4'	E406234-02A Soil	06/21/24 06/2	26/24 Glass Jar, 2 oz.
BH08 8'	E406234-03A Soil	06/21/24 06/2	26/24 Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:01:36PM

BH08 0.5' E406234-01

		E400234-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Analy	st: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		90.5 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2426031
Chloride	13900	200	10	06/26/24	06/26/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:01:36PM

BH08 4'

E406234-02

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		103 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2426031
Chloride	2420	40.0	2	06/26/24	06/26/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:01:36PM

BH08 8'

E40	6234	1_03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		98.4 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2426031
Chloride	1660	20.0	1	06/26/24	06/26/24	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 6/27/2024 4:01:36PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2426035-BLK1) Prepared: 06/26/24 Analyzed: 06/26/24 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 7.27 8.00 90.9 70-130 LCS (2426035-BS1) Prepared: 06/26/24 Analyzed: 06/26/24 5.09 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 98.1 70-130 5.01 0.0250 5.00 100 70-130 Toluene 97.8 o-Xylene 4.89 0.0250 5.00 70-130 9.96 10.0 99.6 70-130 0.0500 p.m-Xvlene 99.0 70-130 14.8 15.0 Total Xylenes 0.0250 8.00 90.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.25 Matrix Spike (2426035-MS1) Source: E406231-05 Prepared: 06/26/24 Analyzed: 06/26/24 10.1 0.0500 10.0 ND 54-133 Benzene ND 97.4 61-133 Ethylbenzene 9.74 0.0500 10.0 Toluene 9.95 0.0500 10.0 ND 99.5 61-130 9.69 10.0 ND 96.9 63-131 0.0500 o-Xylene p,m-Xylene 19.7 0.100 20.0 ND 98.7 63-131 0.0500 30.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 14.7 16.0 Matrix Spike Dup (2426035-MSD1) Source: E406231-05 Prepared: 06/26/24 Analyzed: 06/26/24 10.1 0.0500 10.0 ND 54-133 0.390 20 61-133 0.509 9.69 0.0500 10.0 ND 96.9 20 Ethylbenzene Toluene 9 90 0.0500 10.0 ND 99.0 61-130 0.568 20 9.66 0.0500 10.0 ND 96.6 63-131 0.253 20 o-Xylene 0.628 20.0 ND 98.1 63-131 20 p,m-Xylene 19.6 0.100



29.3

14.8

0.0500

30.0

16.0

ND

97.6

92.6

63-131

70-130

0.504

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:01:36PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6	5/27/2024 4:01:36PM
	Nor	nhalogenated	Organics l	oy EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2426035-BLK1)							Prepared: 0	6/26/24 An	alyzed: 06/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
LCS (2426035-BS2)							Prepared: 0	6/26/24 An	alyzed: 06/26/24
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2426035-MS2)				Source:	E406231-	05	Prepared: 0	6/26/24 An	alyzed: 06/26/24
Gasoline Range Organics (C6-C10)	98.6	40.0	100	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.5		16.0		96.7	70-130			
Matrix Spike Dup (2426035-MSD2)				Source:	E406231-	05	Prepared: 0	6/26/24 An	alyzed: 06/26/24
Gasoline Range Organics (C6-C10)	95.4	40.0	100	ND	95.4	70-130	3.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.5		16.0		97.1	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:01:36PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6	5/27/2024 4:01:36PN
	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 (2426032-BLK1)							Prepared: 0	6/26/24 An	alyzed: 06/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.3		50.0		107	50-200			
LCS (2426032-BS1)							Prepared: 0	6/26/24 An	alyzed: 06/26/24
Diesel Range Organics (C10-C28)	325	25.0	250		130	38-132			
urrogate: n-Nonane	54.1		50.0		108	50-200			
Matrix Spike (2426032-MS1)				Source:	E406241-	02	Prepared: 0	6/26/24 An	alyzed: 06/26/24
Diesel Range Organics (C10-C28)	324	25.0	250	ND	129	38-132			
urrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike Dup (2426032-MSD1)				Source:	E406241-	02	Prepared: 0	6/26/24 An	alyzed: 06/26/24
Diesel Range Organics (C10-C28)	325	25.0	250	ND	130	38-132	0.381	20	
urrogate: n-Nonane	53.9		50.0		108	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:	RI	OX 16 #008		·	·		Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Aı	nna Byers					6/27/2024 4:01:36PM
		Anions	by EPA 3	00.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2426031-BLK1)							Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	ND	20.0							
LCS (2426031-BS1)							Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2426031-MS1)				Source:	E406241-0)1	Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	324	100	250	ND	130	80-120			M6
Matrix Spike Dup (2426031-MSD1)				Source:	E406241-0)1	Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	320	100	250	ND	128	80-120	1.10	20	M6

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 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/27/24 16:01

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS

recoveries

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.



	_
	6
	0
	-
_	10
	COM I
	₩.
	~
	CO
	2
	~
	6
	9
•	_
	~
	_
	$\overline{}$
	_
	~
	$\overline{}$
	5 1
	_
	٠.
	_
	90
	~
	0
	_
	. `
	N
	_
	0
	N
	_
	4
	S
	~.'
	0
	.=
	9
	• •
	S
	_
	Ü
	-
	10
	-
	-

Client: V	VPX Energ	y Permia	in, LLC.		Bill To		1		La	ab Us	se Only		23	1917		TA	TAT		EPA P	rogram	
Project:	RDX 16 #0	800			Attention: Jim Raley			WO#			Job				1D	2D	3D	Stan	idard	CWA	SDWA
Project N	Manager:	Anna Bye	ers		Address: 5315 Buena Vista Dr.		E406234				Old	58	-000	7				5 da	y TAT		
Address	: 13000 W	County	Rd 100		City, State, Zip: Carlsbad, NM, 882	220							nd Met								RCRA
City, Sta	te, Zip_O	dessa,TX,	79765		Phone: 575-885-7502									\neg							
Phone: 4	32-305-6	415			Email: jim.raley@dvn.com	***************************************	1	1015												State	
Email: D	evon-tear	n@etech	env.com		WO: 21141253		1	by 8										N	M CO	UT AZ	TX
					Incident ID: nAPP2307930900		1	TPH GRO/DRO/ORO by 8015													
								3/01				0.0			Σ						
Collecte	d by: Edyt	e Konan					-	JO/DF	802	3260	010	300			- 1		¥		×		
Time	Date	120000	No. of			Lab	Depth(ft.)	GRC	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		2			-	
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Dept	TPH	BTE)	VOC	Met	Chlo			BGC		GDOC			Remarks	
								-						\dashv				$\neg \vdash$			
10:40	06.21.24	S	1		BH08		0.5'								х						
						10000000000								+	\neg			-+			
10:50	06.21.24	S	1		BH08	2	4'								х						
														\dashv	-			-			
11:00	06.21.24	S	1		BH08	3	8'						_		х						
						ALL PARTY OF								\dashv				-			
							1		_												
			 	 		ENGLISH OUT	1			_	-		-	\dashv	-			_			
							1														
							-	-						+		- III E STE		_			
					1)																
					10021		-							+		-		_			
					6125120211																
				0	612		-	_	-	_	-		-	\dashv				_			
						150000000000000000000000000000000000000	-	-					-	+				_			
							1														
		_		-			-		-	-		-	-	-							
						Market 1970	1														
Addition	nal Instru	ctions:																			
								-		ALIE ALIES	le i		tota o Albarra	-			.1			.1	-1-1
27 17 27		10. 00010			I am aware that tampering with or intentionally misl	abelling the sam	ple loca	ition,			100		1.00							they are samp sequent days.	plea or
				may be grounds for						_		9,00			-	N.					
Relinquish	ed by: (Sign:	ature)	Date	19 -10, Time	Received by: (Signature)	Date	20	Time	17	-							e Onl	ly			
	-100	4	00	125124 00		1625	-24	111	U		Rece	eive	d on ice	2:	O	/ N					
Relinquish	ed by/(Signa	ature)	Date	27 3/ Time	Received by (Signature)	Date		Time	7-												
	1		01	524 5	00 0.00.	C.2S	14	1	10	0	T1				T2			<u>T</u>	3		
Relinquish	d by: (Sign:	ature)	Date	Time	Received by: (Signature)	Date		Time													
ck	. M.		6	15.24 2	315 hugher & Hall	Date 0-26-2	:4	01	60	0	AVG	Ten	np °C_	4							
Sample Mat	rix: S - Soil, S	d - Solid, Sg -		Aqueous, O - Other		Containe	Туре	e: g - g	glass,	p-p	oly/p	lasti	c, ag - a	mb	er gla	ass, v	- VOA	A			
Note: Sam	ples are disc	arded 30 d	lays after re	esults are reported	unless other arrangements are made. Hazardo														for the an	alysis of th	e above
The state of the s					poratory with this COC. The liability of the labora																



Printed: 6/27/2024 11:55:09AM

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:	06/26/24 (06:00	Work Order ID:	E406234
Phone:	(575) 200-6754	Date Logged In:	06/25/24	16:37	Logged In By:	Raina Schwanz
Email:	anna@etechenv.vom	Due Date:	07/02/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	Custody (COC)		V			
	he sample ID match the COC? he number of samples per sampling site location ma	ch the COC	Yes			
	camples dropped off by client or carrier?	en die Coc	Yes	a . a .		
	the COC complete, i.e., signatures, dates/times, request	stad analysasa?	Yes Yes	Carrier: Courier		
	ill samples received within holding time?	sted allaryses?	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		165		<u>Comment</u>	ts/Resolution
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	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			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	•	temperature. 4	<u> </u>			
_	Container queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		No NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers')	Yes			
	appropriate volume/weight or number of sample contain		Yes			
		iers conceteur	105			
Field La	field sample labels filled out with the minimum info	rmation:				
	ample ID?	illiation.	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample l	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	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 laborato	ru?	No			
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
		30 WIIO:	1421	Subcolliact Lab. NA		
Client I	<u>nstruction</u>					

Date

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E406235

Job Number: 01058-0007

Received: 6/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/27/24

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: 6/27/24

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E406235

Date Received: 6/26/2024 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

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 Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH09 0.5'	5
BH09 4'	6
BH09 8'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	06/27/24 16:02

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH09 0.5'	E406235-01A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.
BH09 4'	E406235-02A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.
BH09 8'	E406235-03A Soil	06/21/24	06/26/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:02:52PM

BH09 0.5' E406235-01

		E400233-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	vst: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		98.9 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2426031
Chloride	12300	200	10	06/26/24	06/26/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:02:52PM

BH09 4'

		E406235-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
p-Xylene	ND	0.0250	1	06/26/24	06/27/24	
o,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		98.1 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2426031
Chloride	6980	100	5	06/26/24	06/26/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:02:52PM

BH09 8'

E406235-03

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2426035
Benzene	ND	0.0250	1	06/26/24	06/27/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/27/24	
Toluene	ND	0.0250	1	06/26/24	06/27/24	
o-Xylene	ND	0.0250	1	06/26/24	06/27/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/27/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/27/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2426035
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/26/24	06/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2426032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		95.7 %	50-200	06/26/24	06/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2426031
Chloride	4290	40.0	2	06/26/24	06/26/24	



		QC 5	umm	iry Data	L				
WPX Energy - Carlsbad		Project Name:	R	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	A	nna Byers					6/27/2024 4:02:52PM
		Volatile O	rganics l	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 (2426035-BLK1)							Prepared: 0	6/26/24 A	analyzed: 06/26/24
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	7.27		8.00		90.9	70-130			
LCS (2426035-BS1)							Prepared: 0	6/26/24 A	analyzed: 06/26/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.1	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.8	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			
Matrix Spike (2426035-MS1)				Source: 1	E406231-	05	Prepared: 0	6/26/24 A	analyzed: 06/26/24
Benzene	10.1	0.0500	10.0	ND	101	54-133			
Ethylbenzene	9.74	0.0500	10.0	ND	97.4	61-133			
Toluene	9.95	0.0500	10.0	ND	99.5	61-130			
o-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
p,m-Xylene	19.7	0.100	20.0	ND	98.7	63-131			
Total Xylenes	29.4	0.0500	30.0	ND	98.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	14.7		16.0		92.2	70-130			
Matrix Spike Dup (2426035-MSD1)				Source: 1	E406231-	05	Prepared: 0	6/26/24 A	analyzed: 06/26/24
Benzene	10.1	0.0500	10.0	ND	101	54-133	0.390	20	
Ethylbenzene	9.69	0.0500	10.0	ND	96.9	61-133	0.509	20	
Toluene	9.90	0.0500	10.0	ND	99.0	61-130	0.568	20	
o-Xylene	9.66	0.0500	10.0	ND	96.6	63-131	0.253	20	
p,m-Xylene	19.6	0.100	20.0	ND	98.1	63-131	0.628	20	
Total Vylanas	20.2	0.0500	20.0	ND	07.6	62 121	0.504	20	



29.3

14.8

0.0500

30.0

16.0

ND

97.6

92.6

63-131

70-130

0.504

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:02:52PM

Carlsbad NM, 88220		Project Manage	r: Ar	ına Byers				6/2	7/2024 4:02:52PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2426035-BLK1)							Prepared: 0	6/26/24 Anal	yzed: 06/26/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130				
LCS (2426035-BS2)							Prepared: 0	6/26/24 Anal	yzed: 06/26/24	
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130				
Matrix Spike (2426035-MS2)				Source:	E406231-	05	Prepared: 0	6/26/24 Anal	yzed: 06/26/24	
Gasoline Range Organics (C6-C10)	98.6	40.0	100	ND	98.6	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.5		16.0		96.7	70-130				
Matrix Spike Dup (2426035-MSD2)				Source:	E406231-	05	Prepared: 0	6/26/24 Anal	yzed: 06/26/24	
Gasoline Range Organics (C6-C10)	95.4	40.0	100	ND	95.4	70-130	3.27	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.5		16.0		97.1	70-130				



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	6/27/2024 4:02:52PM

Carisbad NM, 88220		Project Manager	r: Ar	na Byers					6/2//2024 4:02:32PI
	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 (2426032-BLK1)							Prepared: 0	6/26/24 Aı	nalyzed: 06/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.3		50.0		107	50-200			
LCS (2426032-BS1)							Prepared: 0	6/26/24 Aı	nalyzed: 06/26/24
Diesel Range Organics (C10-C28)	325	25.0	250		130	38-132			
urrogate: n-Nonane	54.1		50.0		108	50-200			
Matrix Spike (2426032-MS1)				Source:	E406241-0	02	Prepared: 0	6/26/24 Aı	nalyzed: 06/26/24
Diesel Range Organics (C10-C28)	324	25.0	250	ND	129	38-132			
urrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike Dup (2426032-MSD1)				Source:	E406241-0	02	Prepared: 0	6/26/24 Aı	nalyzed: 06/26/24
Diesel Range Organics (C10-C28)	325	25.0	250	ND	130	38-132	0.381	20	
Gurrogate: n-Nonane	53.9		50.0		108	50-200			



Chloride

M6

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager	: A	anna Byers					6/27/2024 4:02:52PM
		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2426031-BLK1)							Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	ND	20.0							
LCS (2426031-BS1)							Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2426031-MS1)				Source:	E406241-	01	Prepared: 0	6/26/24 A	nalyzed: 06/26/24
Chloride	324	100	250	ND	130	80-120			M6
Matrix Spike Dup (2426031-MSD1)				Source:	E406241-	01	Prepared: 0	6/26/24 A	nalyzed: 06/26/24

250

100

ND

128

80-120

1.10

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 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Anna Byers	06/27/24 16:02

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS

recoveries

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.



lient: W	PX Energ	y Permia	n, LLC.			Bill To				La	b Us	e On	ly				TA	·Τ	EPA P	rograr
	RDX 16 #0				At	tention: Jim Raley		Lab WO#			Job Number		1D	2D	3D	Standard	CWA	SDW		
	/lanager:				Ac	ddress: 5315 Buena Vista Dr.		EL	low	23		5 01058-000						5 day TAT		
	13000 W					ty, State, Zip: Carlsbad, NM, 88	220					Analy	sis ar	nd Metho	d					RCF
	e, Zip_O		79765			none: 575-885-7502			5										1	
	32-305-6					mail: jim.raley@dvn.com			, 8015									1111 00	State	T-v-T
mail: De	evon-tear	n@etech	env.com		Jec. and	0: 21141253		-	(d 0)									NMI CO	UT AZ	TX
Collected	d by: Edyt	e Konan			lin.	cident ID: nAPP2307930900		(:	GRO/DRO/ORO by	8021	8260	010	300.0		M		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		СВОС		Remarks	;
11:20	06.21.24	S	1			ВН09	1	0.5'							х					
11:30	06.21.24	S	1			BH09	2	4'							х					
11:40	06.21.24	S	1			BH09	3	8'							х					
												_								
						26/25/2024 96														
					٤	26/23/														
_																				
ddition	al Instru	ctions:	***************************************						<i>37</i>											
						ore that tampering with or intentionally mison. Sampled by: EK	labelling the sam	ple loca	ition,			100						eceived on ice the da less than 6 °C on sul		
elinquishe	ed by: (Sign	ature)	Date 06	125/24 D6	:00	Received by: (Signature)	Date		Time			Rece	eivec	on ice:		ab Us	se On	ly		
elinquishe	by: (Sign	ature)	Pate	25:24 Time	30	Received by: (Signature)	Date 6 25	24	Time	70	0	T1			<u>T2</u>			T3		
elinquis	ed by: (Sign	ature)	Date		315	Received by: (Signature)	Date 6-26		Time				Ten	np °C	+					



Printed: 6/27/2024 12:05:06PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

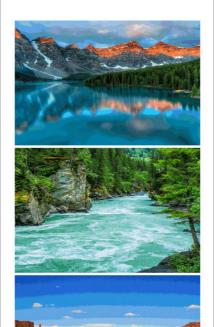
Instructions: Please take note of any NO checkmarks.

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:	06/26/24	06:00		Work Order ID:	E406235
Phone:	(575) 200-6754	Date Logged In:	06/25/24	16:40		Logged In By:	Raina Schwanz
Email:		Due Date:	07/02/24	17:00 (4 day TAT)			
Cl : c	G 4 L (COC)						
	Custody (COC)		***				
	te sample ID match the COC?	sh the COC	Yes				
	te number of samples per sampling site location mate	in the COC	Yes				
	amples dropped off by client or carrier?	4 1 0	Yes Yes	Carrier: <u>C</u>	<u>Couier</u>		
	e COC complete, i.e., signatures, dates/times, request	ed analyses?					
5. were at	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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 visible ice, record the temperature. Actual sample	received w/i 15	Yes				
Sample C		<u> </u>	<u>~</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers.	ers collected?	Yes				
Field Lab		ers conceted.	103				
	field sample labels filled out with the minimum infor	mation.					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pre-	eserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multipha	se Sample Matrix						
26. Does t	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes,	does the COC specify which phase(s) is to be analyzed	zed?	NA				
	act Laboratory						
	umples required to get sent to a subcontract laborator	ur)	No				
	subcontract laboratory specified by the client and if		NA	Subcontract Lab	N NI A		
		so who:	INA	Subcontract Lat); NA		
Client In	struction						

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 16 #008

Work Order: E403245

Job Number: 01058-0007

Received: 3/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/1/24

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

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

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

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

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

Date Reported: 4/1/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E403245

Date Received: 3/26/2024 10:24:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/26/2024 10:24:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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)

G 11 505 220 4550

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
9	Sample Summary	5
9	Sample Data	6
	FS01 0.25'	6
	FS02 0.25'	7
	FS03 0.25'	8
	FS04 0.25'	9
	FS05 0.25'	10
	FS06 0.25'	11
	FS07 0.25'	12
	FS08 0.25'	13
	FS09 0.25'	14
	FS10 0.25'	15
	FS11 0.25'	16
	FS12 0.25'	17
	FS13 0.25'	18
	FS14 0.25'	19
(QC Summary Data	20
	QC - Volatile Organics by EPA 8021B	20
	QC - Nonhalogenated Organics by EPA 8015D - GRO	21
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
	QC - Anions by EPA 300.0/9056A	23
ſ	Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc. 25

Page 4 of 27

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutodi
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 14:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0.25'	E403245-01A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS02 0.25'	E403245-02A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS03 0.25'	E403245-03A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS04 0.25'	E403245-04A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS05 0.25'	E403245-05A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS06 0.25'	E403245-06A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS07 0.25'	E403245-07A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS08 0.25'	E403245-08A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS09 0.25'	E403245-09A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS10 0.25'	E403245-10A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS11 0.25'	E403245-11A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS12 0.25'	E403245-12A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS13 0.25'	E403245-13A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
FS14 0.25'	E403245-14A	Soil	03/22/24	03/26/24	Glass Jar, 2 oz.



7	VPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5	315 Buena Vista Dr	Project Number:	01058-0007	Reported:
(Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS01 0.25' E403245-01

		E403245-01				
A. 1.	Result	Reporting Limit	Dilutio	D 1		N
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,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		90.5 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	843	125	5	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	885	250	5	03/28/24	03/30/24	
Surrogate: n-Nonane		70.0 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2413074
Chloride	4470	40.0	2	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS02 0.25' E403245-02

		E403243-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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		91.4 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	1260	125	5	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	1130	250	5	03/28/24	03/30/24	
Surrogate: n-Nonane		72.9 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2413074
Chloride	3110	40.0	2	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS03 0.25' E403245-03

	E-1052-13 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: 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	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	94.1 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
849	250	10	03/28/24	03/30/24	
991	500	10	03/28/24	03/30/24	
	73.0 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
3110	40.0	2	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 849 991	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 91.8 % mg/kg MD 20.0 94.1 % mg/kg mg/kg mg/kg 849 250 991 500 73.0 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.8 % 70-130 mg/kg mg/kg Analys ND 20.0 1 94.1 % 70-130 1 mg/kg mg/kg Analys 849 250 10 991 500 10 73.0 % 50-200 mg/kg Mg/kg Analys	Result Limit Dilution Prepared mg/kg 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 849 250 10 03/28/24 991 500 10 03/28/24 mg/kg mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG 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 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 849 250 10 03/28/24 03/30/24 mg/kg 50 10 03/28/24 03/30/24 73.0 % 50-200 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS04 0.25'

E403245-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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		91.6 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	1910	250	10	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	1890	500	10	03/28/24	03/30/24	
Surrogate: n-Nonane		68.9 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2413074
Chloride	6610	100	5	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS05 0.25' E403245-05

	E-1052-13 03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
ND	0.0250	1	03/26/24	03/28/24	
0.0625	0.0250	1	03/26/24	03/28/24	
ND	0.0250	1	03/26/24	03/28/24	
0.179	0.0250	1	03/26/24	03/28/24	
0.145	0.0500	1	03/26/24	03/28/24	
0.325	0.0250	1	03/26/24	03/28/24	
	98.3 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	96.4 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
8800	500	20	03/28/24	03/30/24	
4560	1000	20	03/28/24	03/30/24	
	77.9 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
2330	20.0	1	03/27/24	03/27/24	
	mg/kg ND 0.0625 ND 0.179 0.145 0.325 mg/kg ND mg/kg 8800 4560	Result Limit mg/kg mg/kg ND 0.0250 0.0625 0.0250 ND 0.0250 0.179 0.0250 0.145 0.0500 0.325 0.0250 98.3 % mg/kg ND 20.0 96.4 % mg/kg mg/kg mg/kg 4560 1000 77.9 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 0.0625 0.0250 1 ND 0.0250 1 0.179 0.0250 1 0.145 0.0500 1 0.325 0.0250 1 98.3 % 70-130 mg/kg mg/kg Analys ND 20.0 1 96.4 % 70-130 mg/kg mg/kg mg/kg Analys 8800 500 20 4560 1000 20 77.9 % 50-200 mg/kg Mg/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 03/26/24 0.0625 0.0250 1 03/26/24 ND 0.0250 1 03/26/24 0.179 0.0250 1 03/26/24 0.145 0.0500 1 03/26/24 0.325 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 8800 500 20 03/28/24 4560 1000 20 03/28/24 mg/kg mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 03/26/24 03/28/24 0.0625 0.0250 1 03/26/24 03/28/24 ND 0.0250 1 03/26/24 03/28/24 0.179 0.0250 1 03/26/24 03/28/24 0.145 0.0500 1 03/26/24 03/28/24 0.325 0.0250 1 03/26/24 03/28/24 98.3 % 70-130 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 8800 500 20 03/28/24 03/30/24 4560 1000 20 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS06 0.25' E403245-06

	E-1052-15 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: 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	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	94.0 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
2190	250	10	03/28/24	03/30/24	
2370	500	10	03/28/24	03/30/24	
	75.7 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
1690	20.0	1	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND O Mg/kg ND mg/kg 2190 2370	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 20.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg 2190 250 2370 500 75.7 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.6 % 70-130 mg/kg mg/kg Analys ND 20.0 1 94.0 % 70-130 1 mg/kg mg/kg Analys 2190 250 10 2370 500 10 75.7 % 50-200 mg/kg mg/kg Analys	Result Limit Dilution Prepared mg/kg 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 2190 250 10 03/28/24 2370 500 10 03/28/24 mg/kg mg/kg Analyst: WF	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 2190 250 10 03/28/24 03/30/24 2370 500 10 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF 03/30/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS07 0.25' E403245-07

	5							
	Reporting							
ılt Limit	Dilution	Prepared	Analyzed	Notes				
kg mg/kg	Analys	t: EG		Batch: 2413054				
0.0250	1	03/26/24	03/28/24					
0.0250	1	03/26/24	03/28/24					
0.0250	1	03/26/24	03/28/24					
0.0250	1	03/26/24	03/28/24					
0.0500	1	03/26/24	03/28/24					
0.0250	1	03/26/24	03/28/24					
91.2 %	70-130	03/26/24	03/28/24					
kg mg/kg	Analyst: EG			Batch: 2413054				
20.0	1	03/26/24	03/28/24					
93.3 %	70-130	03/26/24	03/28/24					
kg mg/kg	Analys	t: KM		Batch: 2413096				
250	10	03/28/24	03/30/24					
500	10	03/28/24	03/30/24					
72 (0/	50-200	03/28/24	03/30/24					
72.6 %	30-200							
/2.6 % kg mg/kg	Analysi			Batch: 2413074				
	0 0.0250 0 0.0250 0 0.0250 0 0.0250 0 0.0250 0 0.0250 0 0.0250 91.2 % kg mg/kg 0 20.0 93.3 % kg mg/kg 0 250	0 0.0250 1 0 0.0250 1 0 0.0250 1 0 0.0250 1 0 0.0250 1 0 0.0250 1 0 0.0500 1 0 0.0250 1 0 0.0250 1 91.2 % 70-130 0 93.3 % 70-130 0 93.3 % 70-130 0 93.3 % Analys 0 250 10	0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0500 1 03/26/24 0 0.0500 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24 0 0.0250 1 03/26/24	0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0500 1 03/26/24 03/28/24 0 0.0500 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24 0 0.0250 1 03/26/24 03/28/24				



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS08 0.25'

E403245-08						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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		96.3 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	11900	500	20	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	5340	1000	20	03/28/24	03/30/24	
Surrogate: n-Nonane		77.6 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
Chloride	1860	20.0	1	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS09 0.25' E403245-09

	E-1052-13 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: 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	
	90.7 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	93.3 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
1590	250	10	03/28/24	03/30/24	
1400	500	10	03/28/24	03/30/24	
	71.1 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
3310	40.0	2	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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 20.0250 MB/kg mg/kg MB/kg mg/kg 1590 250 1400 500 71.1 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.7 % 70-130 mg/kg mg/kg Analys ND 20.0 1 93.3 % 70-130 70-130 mg/kg mg/kg Analys 1590 250 10 1400 500 10 71.1 % 50-200 mg/kg Mg/kg Analys	Result Limit Dilution Prepared mg/kg 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 1590 250 10 03/28/24 1400 500 10 03/28/24 mg/kg mg/kg Analyst: WF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG 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 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 1590 250 10 03/28/24 03/30/24 mg/kg mg/kg 0 03/28/24 03/30/24 1400 500 10 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS10 0.25' E403245-10

	1105215 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: 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	
	91.2 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	91.0 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
5390	500	20	03/28/24	03/30/24	
4520	1000	20	03/28/24	03/30/24	
	72.8 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
2390	40.0	2	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND The state of the state o	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 91.2 % mg/kg mg/kg mg/kg ND 20.0 91.0 % mg/kg 5390 500 4520 1000 72.8 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 91.2 % 70-130 mg/kg mg/kg Analys ND 20.0 1 91.0 % 70-130 mg/kg mg/kg mg/kg Analys 5390 500 20 4520 1000 20 mg/kg mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg Manalyst: 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 5390 500 20 03/28/24 4520 1000 20 03/28/24 mg/kg mg/kg Analyst: WF	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 0.0500 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 5390 500 20 03/28/24 03/30/24 4520 1000 20 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS11 0.25' E403245-11

		2.002.0 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		90.9 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	742	125	5	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	826	250	5	03/28/24	03/30/24	
Surrogate: n-Nonane		72.0 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2413074
Chloride	4990	40.0	2	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS12 0.25' E403245-12

	1100213 12				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: 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	
	92.8 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	94.3 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analys	st: KM		Batch: 2413096
4610	500	20	03/28/24	03/30/24	
4030	1000	20	03/28/24	03/30/24	
	78.5 %	50-200	03/28/24	03/30/24	
mg/kg	mg/kg	Analys	st: WF		Batch: 2413074
2550	40.0	2	03/27/24	03/27/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg A610 4030	Result Reporting 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 0.0250 92.8 % mg/kg Mg/kg mg/kg ND 20.0 94.3 % mg/kg 4610 500 4030 1000 78.5 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 92.8 % 70-130 mg/kg mg/kg Analys ND 20.0 1 94.3 % 70-130 mg/kg mg/kg Analys 4610 500 20 4030 1000 20 mg/kg mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg MS 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 4610 500 20 03/28/24 4030 1000 20 03/28/24 mg/kg mg/kg Analyst: WF	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 0.0500 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 4610 500 20 03/28/24 03/30/24 4030 1000 20 03/28/24 03/30/24 mg/kg mg/kg Analyst: WF 03/30/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS13 0.25' E403245-13

		2.002.0 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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		93.8 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	3750	500	20	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	3250	1000	20	03/28/24	03/30/24	
Surrogate: n-Nonane		78.8 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2413074
Chloride	1530	20.0	1	03/27/24	03/27/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

FS14 0.25' E403245-14

		E403243-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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		92.7 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2413096
Diesel Range Organics (C10-C28)	1470	250	10	03/28/24	03/30/24	
Oil Range Organics (C28-C36)	1640	500	10	03/28/24	03/30/24	
Surrogate: n-Nonane		77.6 %	50-200	03/28/24	03/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: WF		Batch: 2413074
Chloride	695	20.0	1	03/27/24	03/27/24	



QC Summary Data

		QC Si	umma	ii y Data	1				
WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	ger: Gilbert Moreno						4/1/2024 2:57:12PM
		Volatile O	rganics b	y EPA 802	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 (2413054-BLK1)							Prepared: 0	3/26/24 A	nalyzed: 03/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			
LCS (2413054-BS1)							Prepared: 0	3/26/24 A	nalyzed: 03/28/24
Benzene	4.95	0.0250	5.00		99.1	70-130			
thylbenzene	4.93	0.0250	5.00		98.7	70-130			
oluene	4.93	0.0250	5.00		98.6	70-130			
-Xylene	4.89	0.0250	5.00		97.8	70-130			
,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			
Matrix Spike (2413054-MS1)				Source:	E403245-	03	Prepared: 0	3/26/24 A	analyzed: 03/28/24
Benzene	4.95	0.0250	5.00	ND	99.0	54-133			
thylbenzene	4.89	0.0250	5.00	ND	97.8	61-133			
oluene	4.91	0.0250	5.00	ND	98.2	61-130			
-Xylene	4.84	0.0250	5.00	ND	96.7	63-131			
o,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2413054-MSD1)				Source:	E403245-	03	Prepared: 0	3/26/24 A	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 Virlamas	1/1/2	0.0250	15.0	ND	05.1	62 121	2.04	20	



14.3

7.41

0.0250

15.0

8.00

ND

95.1

63-131

70-130

2.94

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno					4/1/2024 2:57:12PM			
	Nonhalogenated Organics by EPA 8015D - GRO								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 (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	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 Ar	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 Ar	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

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 2:57:12PM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					4/1/2024 2:57:12PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
lank (2413096-BLK1)							Prepared: 0	3/28/24 Aı	nalyzed: 03/30/24
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	37.2		50.0		74.4	50-200			
CS (2413096-BS1)							Prepared: 0	3/28/24 Aı	nalyzed: 03/30/24
iesel Range Organics (C10-C28)	239	25.0	250		95.6	38-132			
urrogate: n-Nonane	35.1		50.0		70.2	50-200			
Iatrix Spike (2413096-MS1)				Source:	E403245-0	02	Prepared: 0	3/28/24 Aı	nalyzed: 03/30/24
iesel Range Organics (C10-C28)	1420	125	250	1260	63.4	38-132			
urrogate: n-Nonane	31.1		50.0		62.2	50-200			
latrix Spike Dup (2413096-MSD1)				Source:	E403245-0	02	Prepared: 0	3/28/24 Aı	nalyzed: 03/30/24
iesel Range Organics (C10-C28)	1590	125	250	1260	132	38-132	11.5	20	
urrogate: n-Nonane									



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: RDX 1 Project Number: 01058-							Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/1/2024 2:57:12PM
		Anions l	by EPA 3	300.0/9056A					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 (2413074-BLK1)							Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413074-BS1)							Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2413074-MS1)				Source:	E403245-()5	Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	2410	20.0	250	2330	31.5	80-120			M4
Matrix Spike Dup (2413074-MSD1)				Source:	E403245-()5	Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	2240	20.0	250	2330	NR	80-120	7.22	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 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 14:57

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.



C	hain	of	Cus	tod
	IIaiii	OI	Cus	itou

Page	/ of	2
Page	/01_	-

Client: W	/PX Energ	y Permia	n, LLC		Bill To	***			La	b Us	e Onl	У	ETV	173			TA	Т	EPA P	rogram		
	RDX 16 #0				Attention: Jim Raley		Lab	WO#	- 1	_	Job Number				1D	2D		Standard	CWA	SDW		
	Manager:			=/:	Address: 5315 Buena Vista Dr.		ΕL	403	24		0.058-0007							5 Day TAT				
2002 CO. 2004 CO. 2004 CO. 2004	13000 W				City, State, Zip: Carlsbad, NM, 88	8220				- 4	Analys	is an	d Me	hod						RCR.		
	te, Zip_Oc		79765		Phone: 575-885-7502			yd C														
	332-541-7		2000 0000		Email: jim.raley@dvn.com		-	/0R					- 1	_	_			NINAL CO.	State	TTVI		
	evon-tear d by: Gilbe			b)	WBS/WO: 21141253 Incident ID: nAPP2307930900			DRO DRO			10	0.00		0.00		nior	Σ		×		UT AZ	11
		ert Morei			Incident ID: nAPP2307930900	Lab	Depth(ft.) TPH GRO/DRI 8015 BTEX by 8021			oy 82	ls 60	ide 3	- 1	A/u	8		J	×				
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Number	Depth(ft.)	Depth(ft.) TPH GRO/DRO/ORO by 8015		VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC		Remarks	d)		
10:10	3.22.24	S	1		FS01	ı	0.25'								х							
10:20	3.22.24	S	1		FS02										х							
10:30	3.22.24	S	1		FS03	3	0.25'								х							
10:40	3.22.24	S	1		FS04										х							
10:50	3.22.24	S	1	A STATE OF THE STA	5	0.25'								х								
11:00	3.22.24	S	1		6	0.25'								х								
11:10	3.22.24	S	1		FS07	7	0.25'								х	T						
11:20	3.22.24	S	1		FS08	8	0.25'						T	1	х		1					
11:30	3.22.24	S	1		FS09	9	0.25'						1	1	х		\forall					
11:40	3.22.24	S	1		FS10	10	0.25'					7	1	1	х							
	l al Instruc pler), attest t		y and authent	icity of this sample. I a	n aware that tampering with or intentionally r		mple lo	cation,	1		Samples	requir	ing ther	mal pre	eservat	ion must	be rece	eived on ice the day	they are sam	pled or		
				may be grounds for leg	al action. Sampled by: GM						received	packe	d in ice a	it an av	vg tem	p above	but le	ss than 6 °C on subs	equent days.			
Chy	Ging	-	Date 3.	Time 10:0	Received by: (Signature)	_ 3-25	24	Time	120	3	Recei	ved	on ic	e:	La	b Use	Onl	У				
Redipquish	ed by: (Sign	ature)	Date	25-24 1-42	Received by: (Signature)	Date	524	Time	30		Received on ice:				T2 T3							
Relinquish	ed by: (Sign	ature)	Date 3	-25-14-20	Received by: (Signature)	3210t	24	Time	24	,		Tem	p°C	(4							
Sample Mat						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																



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

envirotects

envirotects

Client: WPX Energy Permian, LLC

Lab Use Only

Bill To

EPA Program

TAT

f 27
26 0
age

Project: RDX 16 #008					Attention: Jim Raley		Lab	Lab WO#			dor	Num	per		10	20	30	Stant		CWA	SDWA	
Project Manager: Gilbert Moreno					Address: 5315 Buena Vista Dr.		E403245			01058-000+			04				5 Day	TAT				
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220			E 403245 01058-0007 5 Day TAT Analysis and Method						RCRA								
City, State, Zip_Odessa,TX, 79765					Phone: 575	-885-7502			by											7		
Phone: 8	32-541-7	719			Email: jim.raley@dvn.com			1	SRO												State	
Email: D	evon-tear	n@etech	env.com		WBS/WO: 21141253			1	0/0	1	-		0.		5	Σ			NI	и со	UT AZ	TX
		ert Morer			Incident ID: nAPP2307930900			-	/OR	802	1260	010	300		Anic			¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	вброс		GDOC		2.1	Remarks		
11:50	3.22.24	S	1		FS11			0.25		8	>	2	O	1	0	X						
12:00	3.22.24	S	1		FS12			0.25								х			\dashv			
12.00	3.22.24			*******************	L217		12									35/16						
12:10	3.22.24	S	1		FS13		13	0.25								Х						
12:20	3.22.24	S	1		FS14		14	0.25								X						
						/																
	^																					
	Out9	26																				
	0							-	-			-										
Addition	al Instruc	tions:																				
			5000 10 00	ticity of this sample may be grounds for	W 05 10	pering with or intentionally misla Sampled by: GM	belling the sa	mple lo	ocation	١,		. 33									they are samp equent days.	led or
Relinquish	ed by: (Sign	nature)	Date	Time		by: (Signature)	3-25	5.20	Time	0:	20	Rece	eivec	l on i	ce: (La	b Us	e On	ly			
Relinquished by: (Signature) Date 1.25 24 Time 420 Received by: (Signature)				Date 3-2	25-2 020 Received on ice: N N																	
Relinquished by: (Signature) Date Time				Received A	by: (Signature)	32624 1024 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: Sam	ples are dis	carded 30	days after re	esults are reporte	d unless other arran	gements are made. Hazardo														ort for t	ne analysis	of the
above sam	ples is appl	icable only	to those sa	mples received by	the laboratory with	this COC. The liability of the	laboratory i	s limit	ted to	the a	moun	t paid	for o	n the r	eport	t.						



e client expense. The report for the analysis of the transfer to the analysis of the transfer to the client expense. The report for the analysis of the transfer to the client expense. The report for the analysis of the transfer to the client expense.

Printed: 3/26/2024 3:58:53PM

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:	03/26/24	10:24		Work Order ID:	E403245
Phone:	(539) 573-4018	Date Logged In:	03/26/24	10:23		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il 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 disucssis.					Comments	s/Resolution
Sample T	urn 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?						
	custody/security seals present?		Yes				
			No				
•	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and is	-	NA	Subcontract Lab	o: NA		
Chent in	<u>istruction</u>						

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 16 #008

Work Order: E405374

Job Number: 01058-0007

Received: 5/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/10/24

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 6/10/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220



Project Name: RDX 16 #008

Workorder: E405374

Date Received: 5/29/2024 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/29/2024 8:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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 Lopez

Laboratory Administrator Office: 505-632-1881

rlopez@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe West Texas Midland/Odessa Area Tom Brown

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Chain of Custody etc.	5

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/10/24 16:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0.5'	E405374-01A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS02 0.5'	E405374-02A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS03 0.5'	E405374-03A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS04 0.5'	E405374-04A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS05 0.5'	E405374-05A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS06 0.5'	E405374-06A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS07 0.5'	E405374-07A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS08 0.5'	E405374-08A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS09 0.5'	E405374-09A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS10 0.5'	E405374-10A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS11 0.5'	E405374-11A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS12 0.5'	E405374-12A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS13 0.5'	E405374-13A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.
FS14 0.5'	E405374-14A	Soil	05/24/24	05/29/24	Glass Jar, 2 oz.



	0
	20
_	7
	0
	~
	_
	2
	6
	8
	Ø,
	_ `
	C
•	_
	~
	_
	$\overline{}$
	-
	е.
	_
	• •
	-
	9
	×-
	_
	0
	/
	N.3
	0
	•
	4
	-
	9
	٠.
	V
	• •
	9
	2 4
	-
	. 😘
	5
	_

Client: V	VPX Energ	y Permia	n, LLC.		Bill To					b Us	b Use Only				TAT			EPA P	rogram
Project:	RDX 16 #0	008			Attention: Jim Raley		Lab	WP#		-1	Job	Num	ber	1D	2D			CWA	SDWA
	Manager:				Address: 5315 Buena Vista Dr.		E	105	5	M	OC	5 8	-0007				5 day TAT		
	: 13000 W				City, State, Zip: Carlsbad, NM,	88220	A				Analy	sis a	nd Metho	d					RCRA
City, Sta	te, Zip_O	dessa,TX,	79765		Phone: 575-885-7502			15											
4	332-541-7				Email: jim.raley@dvn.com		488	801										State	
Email: D	evon-tear	n@etech	env.com		WO: 21141253			yd C									NM CC	UT AZ	TX
2					Incident ID: nAPP2307930900		16	/OR(
Collecte	d by: Edyt	e Konan						TPH GRO/DRO/ORO by 8015	8021	260	010	Chloride 300.0		Z		×			
Time	Date		No. of	1		Lab	h(ft.	GRO	by	VOC by 8260	Metals 6010	ride		00		2	×		
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Depth(ft.)	ТРН	BTEX	VOC	Meta	Chlo		верос		GDOC		Remarks	5
10:00	05.24.24	S	1		FS01	1	0.5'	7						x					
10:10	05.24.24	S	1		FS02	2	0.5'							х					
10:20	05.24.24	S	1		FS03	3	0.5'							х					
10:30	05.24.24	S	1		FS04	4	0.5'							х					
10:40	05.24.24	S	1		FS05	5	0.5							х					
10:50	05.24.24	S	1		FS06	6	0.5'							x				al bac	
11:00	05.24.24	S	1		FS07	7	0.5'							х					
11:10	05.24.24	S	1		FS08	8	0.5'							x					
11:20	05.24.24	S	1		FS09	9	0.5'							x					
11:30	05.24.24	S	1		FS10	10	0.5'							x					
Addition	nal Instru	ctions:																	
I, (field sam	pler), attest t	o the validity	and authen	ticity of this sample.	am aware that tampering with or intentionally	mislabelling the sam	ple loca	tion,			100000000000000000000000000000000000000		CALL ST. IN COLUMN	***************************************			eceived on ice the d	Charles Anna Carlotte Control of the Control	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUM
date or time	e of collection	is considere	d fraud and	may be grounds for le			like -				receiv	ed paci	red in ice at a	n avg te	emp abo	ove 0 but	less than 6 °C on su	bsequent days	ti.
	ed by: (Sign	L		28124 11%L		Date 5-25	24	Time	40		Rec	eive	d on ice:		ab U	se On V	lly		
	ed sign				Received by: (Signature)	5.18	3.24	Time	70	30	T1			<u>T2</u>			<u>T3</u>		
Relinquish	ed by: (Sign:	ature)	Sate	28-24 7	Received by: (Signature)	5 29	1/24	Time	300)	AVG	i Ter	np°C_	f					
Sample Mat	rix: S - Soil, S	d - Solid, Sg -	Sludge, A - /	Aqueous, O - Other		Containe	туре								glass,	v - VO	Α .		
Note: Sam	ples are disc	arded 30 d	ays after re	sults are reported	unless other arrangements are made. Haz	ardous samples wi	ll be re	turnec	d to cli	ient c	or disp	osed	of at the cl	ient e	xpens	e. The	report for the	nalysis of t	he above
samples is	applicable of	only to thos	e samples i	received by the lab	oratory with this COC. The liability of the la	aboratory is limited	to the	amou	int pai	id for	on th	e rep	ort.						



envirotech

	Re
_	C
	ivea
,	by
	0
	G;
	%
	2
	124
	5
	9
	:
	S
	P

Client: V	VPX Energ	y Permia	n, LLC.								ab Use Only			The state of the s		TAT		EPA	Program		
	RDX 16 #0				Att	ention: Jim Raley		Lab	WO	± 0 -	201	Job	Num	ber	1	1D	2D	3D	Standard	d CWA	SDWA
Project 1	Manager:	Gilbert N	1oreno		Add	ress: 5315 Buena Vista Dr.		EC	105	5	14	DID	58	-000	7				5 day TA		
Address	: 13000 W	County	Rd 100		City	, State, Zip: Carlsbad, NM, 88	220			E		Analy	sis a	nd Met	nod						RCRA
City, Sta	te, Zip_O	dessa,TX,	79765		Pho	one: 575-885-7502									T						
Phone: 8	32-541-7	719			Em	ail: jim.raley@dvn.com			3015											State	
mail: D	evon-tear	n@etech	env.com		LONG COLOR	0: 21141253			by 8							- 1			NM C	OUTA	Z TX
3					A STATE OF THE PARTY OF THE PAR	dent ID: nAPP2307930900			ORO									- 1			
									30/0	-	0		0.0			N					
Collecte	d by: Edyt	e Konan						7	10/0	802	826	5010	300					¥	×		
Time	Date	Matrix	No. of	Sample ID			Lab	Depth(ft.	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		GDOC		Remark	45
Sampled	Sampled	iviatrix	Containers	Sample ID			Number	Dep	TPH	BTE	VO	Met	S			BG		GD		Remain	(3
11:40	05.24.24	S	1			FS11	11	0.5							П						
11.40	05.24.24	3	1			F311		0.3								X					
11:50	05.24.24	S	1			FS12	17	0.5								х					
11.50	05.24.24	3	4			F312	12	0.5								^					
12:00	05.24.24	S	1			FS13	13	0.5								х	1200				
12.00	03.24.24	3	- 1		_ E	1313	12	0.5								^					
12:10	05.24.24	S	1			FS14	14	0.5								х					
12.10	03.24.24	3	1			1314	17	0.5								^					
				ì																	
														_							
											_										
						05128124															
			-			0212															
								10													
																		TV.			
Addition	nal Instru	ctions:																			
					TM .																
I, (field sam	pler), attest t	the validity	and auther	nticity of this sample.	I am awar	e that tampering with or intentionally mis	slabelling the sam	ple loc	ation,										eceived on ice the less than 6 °C on		
date or time	e of collection	is considere	d fraud and	may be grounds for	legal action							receiv	ей раск	ed in ice a	ana					subsequent day	5.
Relinquish	ed by: (Sign	ature)	Date			At yed by: (ignature)	Date 5 1	NI	Time	Hick	\							e On	ly		
	1031			128/24 113		^	00	27	-	114	<u>ی</u>	Rec	eive	d on ice	::	W)/ N				
Belinquish	ed by: (sign	ature)	Date	Time		Received by: (Fignature)	Date		Time	10											
-	7.7	1 /3		2624 14	60	CX-M.	5.28	1-14		1.5	0	T1				T2			<u>T3</u>		
Relinquish	ed by: (Sign	ature)	Date	.28.24 Time		Received by: (Signature)	Date 7	6.	Time						11						
1 %.	M.		5	. C. C. J	400	CON.	00	W	0	Ba)	AVG	Ten	np °C_	7						
Sample Ma	trix: S - Soil, S	d - Solid, Sg		Aqueous, O - Other			Containe	Тур	e: g -	glass,	p - p				mbe	er gla	ass, v	- VO	Α		
Note: Sam	ples are dis	arded 30 c	lays after r	esults are reported	unless ot	her arrangements are made. Hazaro														e analysis of	the above
samples is	applicable of	only to thos	se samples	received by the la	boratory v	ith this COC. The liability of the labo	ratory is limited	to the	e amo	unt pa	id for	on th	e repo	ort.							



Printed: 5/29/2024 10:56:56AM

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.

	WPX Energy - Carlsbad				
Client:		Date Received:	05/29/24 08:00		Work Order ID: E405374
Phone:	(539) 573-4018	Date Logged In:	05/29/24 08:56		Logged In By: Angelina Pineda
Email:	devon-team@etechenv.com	Due Date:	06/07/24 17:00	(/ day IAI)	
Chain of	Custody (COC)				
	e sample ID match the COC?		Yes		
	e number of samples per sampling site location ma	tch the COC	Yes		
	imples dropped off by client or carrier?		Yes	Carrier: C	Courier
	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Cultici. c	Courter
	l samples received within holding time?	·	Yes		
	Note: Analysis, such as pH which should be conducted in				Comments/Resolution
6 1 7	i.e, 15 minute hold time, are not included in this disucssi	on.			Comments/Resolution
	urn Around Time (TAT)		Yes		Spoke with Client and informed them that
	COC indicate standard TAT, or Expedited TAT?		ies		Samples were to be shipped off to Alamo
Sample C	ooler ample cooler received?		Yes		
	was cooler received in good condition?				in San Antonio.
-			Yes		
	e sample(s) received intact, i.e., not broken?		Yes		
	custody/security seals present?		No		
•	were custody/security seals intact?		NA		
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes		
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>		
Sample C	_				
	queous VOC samples present?		No		
	OC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
	trip blank (TB) included for VOC analyses?		NA		
	on-VOC samples collected in the correct containers		Yes		
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes		
Field Lab		_			
	field sample labels filled out with the minimum info	ormation:	V		
	umple ID? ate/Time Collected?		Yes		
	ollectors name?		Yes Yes		
Sample P	reservation		105		
_	the COC or field labels indicate the samples were pro-	reserved?	No		
22. Are sa	mple(s) correctly preserved?		NA		
24. Is lab	filteration required and/or requested for dissolved n	netals?	No		
Multipha	se Sample Matrix				
	the sample have more than one phase, i.e., multipha	se?	No		
	does the COC specify which phase(s) is to be analy		NA		
Subcontr	act Laboratory				
	mples required to get sent to a subcontract laborato	rv?	Yes		
	subcontract laboratory specified by the client and i	-		contract Lab	b: ALAMO/SAN ANTONIO
Client In	struction				
CHCHT III	struction				

Page 7 of 28

Date



FAX:

ALAMO ANALYTICAL LABORATORIES, LTD.

Main: 10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121 . Fax. (210) 340-8123

REPORT NARRATIVE

6/10/2024

Raina Schwanz
Envirotech, Inc
5796 US Hwy 64

Farmington , NM - 87401

TEL: (505) 632-1881

Email: RainaSchwanz@envirotech-

inc.com;LabAdmin@EnviroTech-inc.com

RE: WPX (Devon) / RDX 16 # 008

Dear Raina Schwanz: Order No.: 2405115

Enclosed please find the analytical report for the sample/s received on 5/31/2024.

SAMPLE RECEIPT: Samples were received intact and with chain of custody documentation. HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.

COMMENTS: No significant observations were made.

If you have any questions regarding these test results call (210) 340-8121.

Thank you,

Reddy Gosala, Ph.D

Laboratory Director

Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.

Reproduction of this report wholly or in part requires written permission of the client.



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:00:00 AM

Matrix: SOIL

Lab ID: 2405115-01A

Client Sample ID: FS01

Analyses	Test Code	Result	MDL PQI	L	Units	DF	Date Analyzed	Qual
TestName: B	TEX				Analyst:	SU	В	
Benzene	BTXS_GC	CM < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	CM < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	CM < 0.005	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	CM < 0.015	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: C	HLORIDE BY ION CHRO	MATOGR			Analyst:	ΥK		
Chloride	CL_R_S	8460	177	400	mg/Kg	100	6/6/2024	
TestName: Ti	PH Method 8015 Extn to	C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36	6) TPH8015	< 50	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		92	%	51 — 1	145		
BTXS_GCMS	Toluene-d8		91	%	54 1	173		
TPH8015	o-Terphenyl		75	%	47 1	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:10:00 AM

Matrix: SOIL

Lab ID: 2405115-02A

Client Sample ID: FS02

Analyses		Test Code	Result	MDL PQ	L	Units	DF	Date Analyzed	Qual
TestName: E	ВТЕХ					Analyst:	SUE	3	
Benzene		BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene		BTXS_GC	M < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene		BTXS_GC	M < 0.005	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total		BTXS_GC	M < 0.015	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: 0	CHLORIDE BY	ON CHROM	ATOGR			Analyst:	ΥK		
Chloride		CL_R_S	7520	177	400	mg/Kg	100	6/6/2024	
TestName: 1	TPH Method 8	015 Extn to C	36			Analyst:	SLF	<u>. </u>	
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)		TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)		TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C3	36)	TPH8015	< 50	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	pethane-d4		97	%	51 — 1	145		
BTXS_GCMS	Toluene-d8			98		54—			
TPH8015	o-Terpheny			87		47—	-		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:20:00 AM

Matrix: SOIL

Lab ID: 2405115-03A

Client Sample ID: FS03

Analyses		Test Code	Result	MDL PQI	L	Units	DF	Date Analyzed	Qual
TestName:	ВТЕХ					Analyst:	SUI	В	
Benzene		BTXS_GCM	4 < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene		BTXS_GCM	d < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene		BTXS_GCM	d < 0.005	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total		BTXS_GCM	1 < 0.015	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName:	CHLORIDE BY	ON CHROM	ATOGR			Analyst:	ΥK		
Chloride		CL_R_S	13000	177	400	mg/Kg	100	6/6/2024	
TestName:	TPH Method 8	015 Extn to C	36			Analyst:	SLF	=	
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28))	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36))	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C	36)	TPH8015	< 50	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	oethane-d4		99	%	51—1	145		
BTXS_GCMS	Toluene-d8			92	%	54—	173		
TPH8015	o-Terpheny	1		75	%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:30:00 AM

Matrix: SOIL

Lab ID: 2405115-04A

Client Sample ID: FS04

Analyses	Test Code	Result	MDL PQI	L	Units	DF	Date Analyzed	Qual
TestName: B	TEX				Analyst:	SU	В	
Benzene	BTXS_GC	CM < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	CM < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	CM < 0.005	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	CM < 0.015	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: C	HLORIDE BY ION CHROM	MATOGR			Analyst:	ΥK		
Chloride	CL_R_S	18000	177	400	mg/Kg	100	6/6/2024	
TestName: TI	PH Method 8015 Extn to (C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36	5) TPH8015	< 50	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		95	%	51— 1	145		
BTXS_GCMS	Toluene-d8		93	%	54 1	173		
TPH8015	o-Terphenyl		122	2%	47—1	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:40:00 AM

Matrix: SOIL

Lab ID: 2405115-05A

Client Sample ID: FS05

Analyses	Test Code	Result	MDL PQI	Ĺ	Units	DF	Date Analyzed	Qual
TestName: BT	EX				Analyst:	SU	В	
Benzene	BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	M < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	M < 0.005	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	M < 0.015	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: CH	ILORIDE BY ION CHRON	IATOGR			Analyst:	ΥK		
Chloride	CL_R_S	6480	177	400	mg/Kg	100	6/6/2024	
TestName: TP	H Method 8015 Extn to 0	C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	< 25	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36)	TPH8015	< 50	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		97	%	51—1	145		
BTXS_GCMS	Toluene-d8		93	%	54—	173		
TPH8015	o-Terphenyl		81	%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 10:50:00 AM

Matrix: SOIL

Lab ID: 2405115-06A

Client Sample ID: FS06

Analyses		Test Code R	esult	MDL PQI	L	Units	DF	Date Analyzed	Qual
TestName:	ВТЕХ					Analyst:	SU	В	
Benzene		BTXS_GCM	< 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene		BTXS_GCM	< 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene		BTXS_GCM	0.0069	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total		BTXS_GCM	0.0221	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName:	CHLORIDE BY	ION CHROMAT	OGR			Analyst:	ΥK		
Chloride		CL_R_S	8460	177	400	mg/Kg	100	6/6/2024	
TestName:	TPH Method 8	015 Extn to C36				Analyst:	SL	F	
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28	3)	TPH8015	162	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36	6)	TPH8015	50	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-0	C36)	TPH8015	212	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	oethane-d4		93	%	51—1	145		
BTXS_GCMS	Toluene-d8	}		929	%	54—	173		
TPH8015	o-Terpheny	4		105	5%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:00:00 AM

Matrix: SOIL

Lab ID: 2405115-07A

Client Sample ID: FS07

Analyses	Test Code	Result	MDL PQ	L	Units	DF 1	Date Analyzed	Qual
TestName: BT	EX				Analyst:	SUE	3	
Benzene	BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	M < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	M 0.0214	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	M 0.0963	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: CF	ILORIDE BY ION CHRON	MATOGR			Analyst:	ΥK		
Chloride	CL_R_S	15500	177	400	mg/Kg	100	6/6/2024	
TestName: TP	H Method 8015 Extn to	C36			Analyst:	SLF		
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	1030	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	220	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36)	TPH8015	1250	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		95	%	51 — 1	145		
BTXS_GCMS	Toluene-d8		92	%	54 ′	173		
TPH8015	o-Terphenyl		117	7%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:10:00 AM

Matrix: SOIL

Lab ID: 2405115-08A

Client Sample ID: FS08

Analyses	Test Code	Result	MDL PQI	Ĺ	Units	DF	Date Analyzed	Qual
TestName: B1	ΓEX				Analyst:	SU	В	
Benzene	BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	M < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	M 0.0094	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	M 0.0414	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: Ch	LORIDE BY ION CHRON	MATOGR			Analyst:	ΥK		
Chloride	CL_R_S	6040	177	400	mg/Kg	100	6/6/2024	
TestName: TP	PH Method 8015 Extn to 0	C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	456	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	93	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36)) TPH8015	549	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		91	%	51 — 1	45		
BTXS_GCMS	Toluene-d8		91	%	54 — 1	73		
TPH8015	o-Terphenyl		116	6%	47—1	42		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:20:00 AM

Matrix: SOIL

Lab ID: 2405115-09A

Client Sample ID: FS09

Analyses	Test Code	Result	MDL PQI	Ĺ	Units	DF	Date Analyzed	Qual
TestName: BT	EX				Analyst:	SU	В	
Benzene	BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene	BTXS_GC	M < 0.005	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene	BTXS_GC	M 0.0065	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total	BTXS_GC	M 0.0205	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName: CH	ILORIDE BY ION CHROM	MATOGR			Analyst:	ΥK		
Chloride	CL_R_S	11500	177	400	mg/Kg	100	6/6/2024	
TestName: TP	H Method 8015 Extn to (C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	296	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	75	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36)	TPH8015	371	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		97	%	51—	145		
BTXS_GCMS	Toluene-d8		96	%	54—	173		
TPH8015	o-Terphenyl		86	%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:30:00 AM

Matrix: SOIL

Lab ID: 2405115-10A

Client Sample ID: FS10

Analyses		Test Code F	Result	MDL PQI		Units	DF E	Oate Analyzed	Qual
TestName:	BTEX					Analyst:	SUB		
Benzene		BTXS_GCM	< 0.005	0.0011	0.005	mg/Kg	1	6/5/2024	
Toluene		BTXS_GCM	0.0073	0.001	0.005	mg/Kg	1	6/5/2024	
Ethylbenzene		BTXS_GCM	0.0283	0.0013	0.005	mg/Kg	1	6/5/2024	
Xylenes, Total		BTXS_GCM	0.108	0.0015	0.015	mg/Kg	1	6/5/2024	
TestName:	CHLORIDE BY	ION CHROMA	TOGR			Analyst:	ΥK		
Chloride		CL_R_S	16500	177	400	mg/Kg	100	6/6/2024	
TestName:	TPH Method 8	015 Extn to C30	6			Analyst:	SLF		
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28))	TPH8015	1220	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36))	TPH8015	258	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C	36)	TPH8015	1480	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	oethane-d4		100	1%	51— 1	145		
BTXS_GCMS	Toluene-d8			929	%	54 — 1	173		
TPH8015	o-Terpheny	1		134	-%	47—1	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:40:00 AM

Matrix: SOIL

Lab ID: 2405115-11A

Client Sample ID: FS11

Analyses	Te	est Code	Result	MDL PQI	L	Units	DF I	Date Analyzed	Qual
TestName: B	STEX					Analyst:	SUB	<u> </u>	
Benzene		BTXS_GCM	< 0.005	0.0011	0.005	mg/Kg	1	6/2/2024	
Toluene		BTXS_GCM	< 0.005	0.001	0.005	mg/Kg	1	6/2/2024	
Ethylbenzene		BTXS_GCM	0.0054	0.0013	0.005	mg/Kg	1	6/2/2024	
Xylenes, Total		BTXS_GCM	0.0239	0.0015	0.015	mg/Kg	1	6/2/2024	
TestName: C	HLORIDE BY IC	N CHROMA	TOGR			Analyst:	ΥK		
Chloride		CL_R_S	5490	1.77	4	mg/Kg	100	6/3/2024	
TestName: T	PH Method 801	5 Extn to C3	6			Analyst:	SLF		
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)		TPH8015	180	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)		TPH8015	33	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C3	6)	TPH8015	213	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroeth	nane-d4		91	%	51 —	145		
BTXS_GCMS	Toluene-d8			99		54—			
TPH8015	o-Terphenyl			84		47—	_		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc

Report of Laboratory Analysis



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 11:50:00 AM

Matrix: SOIL

Lab ID: 2405115-12A

Client Sample ID: FS12

Analyses	Test Code	Result	MDL PQI		Units	DF	Date Analyzed	Qual
TestName: BT	EX				Analyst:	SU	В	
Benzene	BTXS_GC	M < 0.005	0.0011	0.005	mg/Kg	1	6/2/2024	
Toluene	BTXS_GC	M 0.0098	0.001	0.005	mg/Kg	1	6/2/2024	
Ethylbenzene	BTXS_GC	M 0.0396	0.0013	0.005	mg/Kg	1	6/2/2024	
Xylenes, Total	BTXS_GC	M 0.142	0.0015	0.015	mg/Kg	1	6/2/2024	
TestName: Ch	LORIDE BY ION CHRON	MATOGR			Analyst:	ΥK	,	
Chloride	CL_R_S	13500	1.77	4	mg/Kg	100	6/3/2024	
TestName: TP	H Method 8015 Extn to (C36			Analyst:	SL	F	
GRO(C6-C10)	TPH8015	53	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)	TPH8015	596	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36)	TPH8015	338	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C36)) TPH8015	987	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichloroethane-d4		98	%	51—1	145		
BTXS_GCMS	Toluene-d8		101	%	54—	173		
TPH8015	o-Terphenyl		112	! %	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

Project: WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 12:00:00 PM

Matrix: SOIL

Lab ID: 2405115-13A

Client Sample ID: FS13

Analyses		Test Code	Result	MDL PQI	Ĺ	Units	DF	Date Analyzed	Qual
TestName:	ВТЕХ					Analyst:	SUI	В	
Benzene		BTXS_GCI	V < 0.005	0.0011	0.005	mg/Kg	1	6/2/2024	
Toluene		BTXS_GCI	V < 0.005	0.001	0.005	mg/Kg	1	6/2/2024	
Ethylbenzene		BTXS_GCI	M 0.0069	0.0013	0.005	mg/Kg	1	6/2/2024	
Xylenes, Total		BTXS_GCI	M 0.0283	0.0015	0.015	mg/Kg	1	6/2/2024	
TestName:	CHLORIDE BY	ON CHROM	ATOGR			Analyst:	ΥK		
Chloride		CL_R_S	1300	1.77	4	mg/Kg	10	6/3/2024	
TestName:	TPH Method 8	015 Extn to C	36			Analyst:	SLF	=	
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28)		TPH8015	315	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36))	TPH8015	79	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-C	36)	TPH8015	394	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	oethane-d4		96	%	51 — 1	145		
BTXS_GCMS	Toluene-d8			103	3%	54 ^	173		
TPH8015	o-Terpheny	1		116	6%	47—	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc



ALAMO ANALYTICAL LABORATORIES, LTD.

Date: 10-Jun-24

Analytical Results Report

CLIENT: Envirotech, Inc

Lab Order 2405115

WPX (Devon) / RDX 16 # 008

Collection Date: 5/24/2024 12:10:00 PM

Matrix: SOIL

Lab ID: 2405115-14A

Client Sample ID: FS14

Analyses		Test Code R	esult	MDL PQI	L	Units	DF	Date Analyzed	Qual
TestName:	ВТЕХ					Analyst:	SU	В	
Benzene		BTXS_GCM	< 0.005	0.0011	0.005	mg/Kg	1	6/6/2024	
Toluene		BTXS_GCM	< 0.005	0.001	0.005	mg/Kg	1	6/6/2024	
Ethylbenzene		BTXS_GCM	0.0083	0.0013	0.005	mg/Kg	1	6/6/2024	
Xylenes, Total		BTXS_GCM	0.0347	0.0015	0.015	mg/Kg	1	6/6/2024	
TestName:	CHLORIDE BY	Y ION CHROMAT	OGR			Analyst:	ΥK		
Chloride		CL_R_S	1290	1.77	4	mg/Kg	10	6/6/2024	
TestName:	TPH Method 8	3015 Extn to C36				Analyst:	SL	F	
GRO(C6-C10)		TPH8015	< 10	2.8	10	mg/Kg	1	6/5/2024	
DRO(>C10-C28	3)	TPH8015	286	9.6	25	mg/Kg	1	6/5/2024	
ORO(>C28-C36	6)	TPH8015	100	9.6	25	mg/Kg	1	6/5/2024	
Total TPH (C6-0	C36)	TPH8015	386	20	50	mg/Kg	1	6/5/2024	
BTXS_GCMS	1,2-Dichlor	roethane-d4		94	%	51—1	145		
BTXS_GCMS	Toluene-d8	3		91	%	54 1	173		
TPH8015	o-Terpheny	yl		100)%	47 — 1	142		

H Holding times for preparation or analysis exceeded; J - Analyte detected below quantitation limits

* Non-NELAP Standards ** Sub Contracted *** Not in Compliance

Approved by: Reddy Gosala, Laboratory Direc

Date: 10-Jun-24

CLIENT: Work Order:	Envirotech, Inc 2405115			Project	:	WP	X (Devon) /	RDX 16	# 008			QC S	SUMM	ARY	Y REF	OR
				%R	EC			%R	EC	F	RPD	Low - High				RPD
Analyte		BLK	SPK val	ue LCS	LCSD	RPD %	RPD Limit	MS	MSD	%	Limit	Limit	Parent	DUP	%	Li
Batch ID: BTXS_	GCMS-6/2/2024	TestN	Name: E	BTEX												
Run ID: BTEX1	_240602B	Test C	ode: SV	V8260B		Units:	mg/Kg		Analysi	s Date:	6/2/2024		Prep Date	e: 6/	2/2024	
Benzene		<0.005	0.05	100.8%				104.0%	96.7%	7.000	30.0	57 - 142				
Γoluene		< 0.005	0.05	93.8%				97.9%	90.6%	8.000	30.0	53 - 145				
Ethylbenzene		< 0.005	0.05	97.9%				109.0%	116.2%	6.000	30.0	66 - 142				
(ylenes, Total		<0.015	0.15	101.2%				105.3%	104.5%	1.000	30.0	55 - 140				
Batch ID: BTXS_	GCMS-6/5/2024	TestN	Name: E	BTEX												
Run ID: BTEX1	_240605B	Test C	ode: SV	V8260B		Units:	mg/Kg		Analysi	s Date:	6/5/2024		Prep Date	e: 6/	5/2024	
Benzene		<0.005	0.05	91.4%				87.6%	90.2%	3.000	30.0	57 - 142				
Toluene		< 0.005	0.05	91.5%				97.0%	93.1%	3.000	30.0	53 - 145				
Ethylbenzene		< 0.005	0.05	92.7%				90.9%	96.2%	3.000	30.0	66 - 142				
(ylenes, Total		<0.015	0.15	87.8%				94.3%	100.7%	4.000	30.0	55 - 140				
Batch ID: BTXS_	GCMS-6/6/2024	TestN	Name: E	BTEX												
Run ID: BTEX1	_240606A	Test C	ode: SV	V8260B		Units:	mg/Kg		Analysi	s Date:	6/6/2024		Prep Date	e: 6/	6/2024	
Benzene		<0.005	0.05	92.2%				96.3%	89.9%	7.000	30.0	57 - 142				
oluene		< 0.005	0.05	96.6%				89.9%	90.6%	1.000	30.0	53 - 145				
Ethylbenzene		< 0.005	0.05	96.7%				91.9%	86.1%	7.000	30.0	66 - 142				
Kylenes, Total		< 0.015	0.15	94.4%				92.5%	87.4%	6.000	30.0	55 - 140				
Batch ID: CL_R_S	S-6/3/2024	TestN	Name: (CHLORIDI	E BY IO	N CHR	OMATOGR	RAPH						-		· <u>——</u>
Run ID: CL_240	0603B	Test C	ode: E3	00		Units:	mg/Kg		Analysi	s Date:	6/3/2024 8	:40:00 AM	Prep Date	e: 6/	2/2024 4:	10:00 F

Approved by:

Approved by: Laboratory QC Report

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

	ALAMO ANALYTICA	AL LAB(ORATO	RIES,	LTD.								Da	ate: 1	0-Jun-24	
CLIENT Work O	, , , ,			Project:	:	WPX	K (Devon) / l	RDX 16 ‡	# 008			QC S	SUMMA	ARY	REP	OR
				%RI	EC			%RI	EC	F	RPD	Low - High				RPD
Analyte		BLK	SPK value	e LCS	LCSD RI	PD %	RPD Limit	MS	MSD	%	Limit	Limit	Parent	DUP	%	Li
Batch ID:	CL_R_S-6/6/2024	TestNa	ame: CF	ILORID F	BY ION	CHRO	OMATOGR	(APH								
Run ID:	CL_240606A	Test Co	ode: E300)	Un	nits:	mg/Kg		Analys	sis Date:	6/6/2024 8	3:05:00 AM	Prep Date	e: 6/5	5/2024 4:00	0:00 F
Chloride		<4	100	91.2%				92.9%	96.3%	2.000	30.0	80 - 120				
Batch ID:	CL_R_S-6/6/2024	TestNa	ame: CF	ILORIDE	BY ION	CHR	OMATOGR	RAPH						-		
Run ID:	CL_240606B	Test Co	ode: E300)	Un	nits:	mg/Kg		Analys	sis Date:	6/6/2024 1	:25:00 PM	Prep Date	e: 6/5	5/2024 4:5	5:00 F
Chloride		<4	100	99.8%				93.3%	98.4%	3.000	30.0	80 - 120				
Batch ID:	TPH8015-6/10/2024	TestNa	ame: TP	H Metho	d 8015 Ext	tn to	C36									
Run ID:	DRO1_240605B	Test Co	ode: DRO)-8015	Un	nits:	mg/Kg		Analys	sis Date:	6/5/2024		Prep Date	e: 6/5	5/2024	
GRO(C6-C	210)	<10	500	93.2%				124.6%	87.4%	35.000	30.0	46 - 144				
DRO(>C10)-C28)	<25	500	100.8%				112.0%	95.8%	16.000	30.0	51 - 153				
ORO(>C28	3-C36)	<25														
Total TPH ((C6-C36)	<50														

Approved by:

Laboratory QC Report

	a
	0
	6
	22
	=
	\approx
	e
	8
	_
	0
*	70
	-
	$\overline{}$
	-
	\geq
	Ν.
	9
	٠.
	\sim
	9
	\sim
	9
	\sim
	è
	~
	ř,
	4
	_
	U
	٠.
	C
	G
	-
	٠.
	9
	C
	_
	١,
	7
	=

ent: W	PX Energ	v Permia	n. Ll.C.					Bill	То			7000	La	b Use	Oni	٧.	4887			TAT		_	EPA Pr	rogram
	DX 16 #0		,				Attention: Ji		·······		Lab	WO#					er	1D :	D :	3D	Standar	d	CWA	SDWA
	lanager:		loreno				Address: 53		ista Dr.		Fί	粉	55	HI)(D	-8-	007		-		5 day TA			
	13000 W								d, NM, 88220)							Method	1		-				RCRA
	e, Zip_Oc						Phone: 575-		<u> </u>				Γ		Т			\Box	$\neg \Gamma$: . T		
Waster Street	32-541-7						Email: jim.ra		om			8015											State	
	von-tean		env.con	n		1 1	WO: 211412					音		l							NM	COL	UT AZ	ΤX
2							Incident ID:		10900			[윤								-				
diacter	l by: Edyt	e Konan					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				_	/DRO/C	1021	8260	6010	300.0		N N		¥				
ime	Date Sampled	Matrix	No. of Containers	Sampl	le ID					Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by	ВТЕХ ЬУ 802.	VOC by 8	Metals 60	Chloride		ВСРОС		Срос	×1	F	Remarks	<u> </u>
):00	05.24.24	5	1		• "		FS01			1	0.5	1 1	1		_	Ť		x		Ť	21	کورز	S 115	I
0:10	05.24.24	S	1				FS02	<u></u>		Z	0.5				1			х	1			<u> </u>		_02
0:20	05.24.24	S	1				FS03			3	0.5		-	+	+	\dashv		х	_	\dashv		+		63
0:30	05.24.24	. S	1				FS04			y	0.5'	+-1		_		+	+	х	\dashv	\dashv	-	\dashv		04
				-							0.5	 			\dashv	_			_	_		-		
0:40	05.24.24	S	1			<u>-</u> -	F\$05			5	┢	 				-+		Х	\dashv	\perp		\dashv		05
0:50	05.24.24	S 	1	_			FS06			6	0.5			\dashv	_			X	_	_		\dashv		-06
1:00	05.24.24	S	1				FS07			7	0.5							X	_			-		-03
1:10	05.24.24	5	1				FS08			θ	0.5							x				\perp		08
1:20	05.24,24	S	1				FS09			0	0.5							x						09
1:30	05.24.24	S	1				FS10			10	0.5							х				<u> </u>	,	10
ldition	al Instru	ctions:	- "	•	•																			
			-	•	•				entionally mislabe	lling the sam	plę loc	ation,									eived on ice t			
	of collection							Sampled by:		Date		Time	-		. 5 4 4	1,35		1.	la I lea	0.1		· · ·	14	
	ed by: (Sign	<u> </u>		5128121		40			e)				40		Rece	ived	on Ice:	-) N	e Onl	y			
(Exist)	the se	THE P	les Da	<u> </u>	거 Time	600	Received	d by (Signature	e)	5.18	3-U	Time	7	30	<u>T1</u>			<u>T2</u>			<u>T3</u>			
lingulish	ed by: (Sign	ature)	Da	.2 8 .7	W 7	U	Received	d by: (Signature	e)	Date 79	1/25	Time	800		AVG	Tem	°° €	f						
nnie Mai	rix: S - Soil, S	d Solid So					N Cop			Containe	Tvo							ber gla	155. V	- VO	<u> </u>			
						d unic	ess other arrang	ements are m:	ade. Hazardous													he ana	alysis of th	ne above
nples is	applicable	only to the	se sample	es receive	d by the la	aborat	cory with this Co	C. The liabilit	y of the laborato	ory is limited	to th	e amo	unt pa	id for c	on the	report	t.	1						
10				-4-1	74 0	42	3 100	\$4 as		C 1	-		5 8	72	1	CSECO-	٠.						•	
	Lan-				<u>ب،</u>	10	- W.	Spotto 1	Jowens	V = -	3+6	7	<u> </u>	<u>ر پ</u>	+-	-11-	3				n	V		01
J.	٣.			2/30	124	82	101		- ()		عري	[] [८०	1	W.	- -			S		A		V
					-					rag	e 2	5 of 2	∠0											

2	_of_	_2

Received by OCD: 8/6/2024 5:09:55 PM

nt: W	PX Energ	y Permia	ın, LLC.		\Box			Bill To)						b Us						TA			EPA P	rogram
	RDX 16 #0		<u> </u>		At	tention:	lim Rale	<u></u>				Lab '	WQt		20 7	lob	Numl	oer 0007	10	2D	3D	Sta	ındard	CWA	SDWA
ect N	lanager: (Gilbert IV	loreno			dress: 53			a Dr.			E٤	105	9	14	ΜO	5B-	0007				5 d	ay TAT		
	13000 W				Ci	ty, State,	Zip: Car	risbad,	NM, 8822	20					Α	naly	sis an	d Metho	d						RCRA
	e, Zip_Oc				Pi	one: 575	-885-75	502					_						T						
	32-541-7				_F ,	nail: jim.i	alev@c	dvn.con	n				1015									. [State	
	von-tean		env.com			O: 21141							8 A		i				1	1		<u> </u>	NM CO	UT AZ	TX
		iic ctcoii		·		cident ID		3079309	200	,			8	1	- 1		li					.			
						ciaciii ib	. 11/41 ; 25	3073301					0/0	.	_		ا و		ĮΣ	1					
ecteo	by: Edyt	e Konan											J/DR	802	3260	010	300		Σ		ř		× .	!	
me	Date		No. of	Τ						Ti	ab	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1	BGDOC]	ν	.		- ·	<u></u>
pled	Sampled	Matrix	Containers	Sample ID	•					1	mber	늍	표	£	700	Met	윉		8	1	GDOC			Remarks	
			 - -	 				-								_=_	-		T				h		
:40	05.24.24	S	1			FS11					1	0.5"			- 1				X		1 1		24-0	25/12	5-11
		 																	1-		1 1		<u>~~ </u>	Þ	
:50	05.24.24	\$	1			FS12				8,75	2	0.5						- 1	X	ĺ		- 1		1	(2
			 	 							-		_		1				†	1				1	10
:00	05.24.24	S	1			FS13	1				3	0.5			Ì				X	1				1	13
			 		·		 				11								1	1	1 1	1			1 2.
:10	05.24.24	S	1	İ		FS14	}				Ψ	0.5			1	i		Ì	X		1 1		\mathcal{C}	i) 4
			 	 						. :															
				1			-												1		1				
			 																1	1					
		į														١ ,		.		}					
							25125	म्ता	٠										 	1					
						Ę	5516	012]	ļ					1	1						
			 							—									1-		1				
			1										ļ												
-														-	-	_			1	╁					
			+							78.5															
			 									t —							\top	1	1				
			1									1		İ						1	1				
lition	al Instru	ctions:										J-,							•	<u> </u>		·			·
*15101	at maci u	cuons.										,													
id sam	oler), attest t	o the validit	y and auther	nticity of this sa	ample. I am aw	are that tam	pering with	h or intent	ionally misla	belling t	he sam	ole Ioca	tion,			,		-	-					y they are sam	-
					ds for legal acti			ted by:								receiv	ed pack	ed in ice at a	n avg t	emp ab	ove 0 but	t less tha	an 6 °C on sub	osequent days.	
nquish	ed by: (Sign	ature)	Date	e	Time	A Ay	CEY ME	natare)		Date			Tîme	11.1		3	11.			ab ر	se Or	nly .	5 5 7 .		
•	-Aug ()		05	128/24	11340	A A LA	chelle		mgales	F 5	28:	प्प		1141)	Rec	eived	on ice:	(ا / (لا	Ý.	1000			
aquish	ed w: Sign	ature)	A Dat	e	Time	Receive	d by: (Fig	gpature)		Date	v		Time	10					4.0			in the		ar et an	
W	ed y: Sidn	oren	(es S.	الايور	1600	h X	. <i>)</i>	λ. ΄		5.	\mathcal{U}	·W		775	O	Т1			T2				T3		
	ed by: (Sign		Dat	e	Time	Réceive	ed by: (Sig	gnature)		Date	/	7	Time					1 2 1	, , 	The state					
V	U	•	<	18.W	1 (IA	n M	0.			5	1791	אנו	n	an)	Δ٧σ	3 Ten	ın °C	4		m _e r i				
<u> </u>	<u> </u>	a cauar					× (,	•		Cor	itaine	Type		place	n - n			;, ag - ar	pher	986	v - Vr)A	<u> </u>	<u></u>	
				- Aqueous, O - (otner ported unless	other arran	dements	are made	- Hazardo														rt for the a	nalysis of th	ne above
e, san ples is	applicable	only to the	se sample:	s received hu	the laborator	v with this 0	OC. The l	liability o	f the labora	tory is	limited	to the	amo	unt pa	id for	on th	ne repo	ort.				 		,	
λC	7 .	, 10 0.10	1	-1 l.m l	F		1	J.		- ا	•		١.	~~·	2.2	1	je s	- \ \						•	-
X	<u>ئــٰ ۱</u>		ح	130/24	092	2 6/	٠. ل	<u> </u>		15	\sim	2. J.	1 (ᄴ	ωン	H .	4-	-3				> F			ot
									ongol																

Chain of Custody

Alamo's Client:

Address:

Project Manager:

Envirotech Inc.

Raina Schwanz

5796 US HWY 64

Farmington, NM 87401

Received by OCD: 8/6/2024 5:09:55 PM

COC#:

E-COC (Electronically Filled)

2 3-5 Days (additional charges)

风

CHAIN	OF	CUST	ODY
RECO	RN		

Client P.O. #:

Phone #:

Fax #:

LAB

505-632-1881

MUST BE COMPLETED BY CLIENT Turnaround time: Standard (7)

(in working days)

•			

ALAMO ANALYTI	CAL
LABORATORIES,	LTD.

10526 Gulfdal	e
San Antonio, Texas	78216
(210) 340-812	1

2500 Montana Avenue El Paso, Texas 79903, (915) 599-2182

Project Number: E	405	37	4		Project Na	ame: PI	X IL	8W#Q	Analysis for	Permi	t Com	oliance:	Yes	∏No [(915) 599-21	82
Project Location:	1058	ζ-α	$\overline{\alpha}$			Signature												www.alamoanalytic	al.com
LAB ID# (Do not use)	Date C	ewij	Composite	Grab	Matrix	FIEL	# סו כ	FIELD DIS	SCRIPTION	No. of Containers				Analy	<u>sis</u>			REMA (Preservation, SizelAm	
						<u> </u>												*see	
						<u> </u>											l	attache	<u>d</u>
															·		<u> </u>	COC FOR	
		<u> </u>						2405	115-01		<u>a</u>	14						sample	<u>, </u>
	-		-			 						1	·					informa	tion
		-	1																
								4					_	-					
Relinguished by (S	ignature / I	Print Nar	me)	_		Date 5.30.7	1939 1870	Received by S Vickelle	. 4		adspac perly S lled ≤ 4			120	If No	s, Amt , Explain , Temp			
Relinquished by: (S	ighature 74	Print Nar	The c	,		5 /8 /24	Time	Received by S	ignature	Cor	nment	s:	enclose	d ScSR				@envirotech-inc.com	·
Relinquished by: (S	ignature / I	Print Nat	ne)			Date 3 (12)	1 mie	Treceived by, a		E	mail R	eport to	rainasch	nwanz, e	ohoo , jl i	esse , and	d labadr	min@envirotech-inc.c	com

Alamo Analytical Laboratories LTD 10526 Gulfdale, San Antonio, TX - 78216

Document Control No. SOP-SAMP-REC Ver.13.2 Page 19 of 21

Figure 3

	Sample Log-In Checklist	
DATE	E: 5/3//21 TIME: 15:30 INI	rials:
CLIE	Is a Chain of Custody present? PROJECT: W.O# 24-05 Yes	113 62405 115
2.	Is a Chain of Custody properly completed? Yes	No
3.	Are custody seals present? Yes	(No
	If yes, are they intact? Yes Are they on: Sample or on Shipping Co	ontainer
4.	Are all samples tagged or labeled? If yes, do the labels match the Chain of Custody? Yes) No No
5.	Do all shipping documents agree (i.e., number of coolers arrived vs. on the If not, describe below. Yes	ickets) No N/A
6.	Are samples preserved properly? If not, describe below. Yes	No
7. 8.	Are all samples within holding times on arrival? If not, describe below. Condition of shipping container: Intact or	No
9.	Condition of samples: Intact or	
10.	Temperature of samples: Temp. (°C): 2-Corrected Temp. (°C): 2-Thermometer	er ID : DT1 or L2
11.	pH strip lot#: Samples pH range:_<2 >12	
12.	Delivery agent: Client UPS Fed-Ex Alamo P/U Othe	r
13,	Sample disposal: Return to client Alamo Analytical Disposal	
	Location (WI)(walk-in)/ F2 (Freezer 2 for TPH1005 soils)/ R2 (Refrigerator 2 for ments: (Reference checklist item number from above, or for commution below):	
		\mathcal{L}
R	Record of contacting client for resolution of sample discrepancies (first and r	retry contact)
*7	Contacted How?	
	Phone Fax Date: //	Time:
Name:	:: Phone Fax Date: _/_/	Time:

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 16 #008

Work Order: E407022

Job Number: 01058-0007

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/11/24

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: 7/11/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E407022

Date Received: 7/3/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

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 Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01 2'	6
FS02 4'	7
FS03 4'	8
FS04 2'	9
FS05 4'	10
FS06 4'	11
FS07 2'	12
FS08 4'	13
FS09 4'	14
FS10 2'	15
FS11 4'	16
FS12 2'	17
FS13 2'	18
FS14 4'	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc. 25

Page 4 of 27

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutode
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/11/24 12:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 2'	E407022-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS02 4'	E407022-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS03 4'	E407022-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS04 2'	E407022-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS05 4'	E407022-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS06 4'	E407022-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS07 2'	E407022-07A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS08 4'	E407022-08A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS09 4'	E407022-09A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS10 2'	E407022-10A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS11 4'	E407022-11A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS12 2'	E407022-12A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS13 2'	E407022-13A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS14 4'	E407022-14A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS01 2' E407022-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		102 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2428011
Chloride	2710	40.0	2	07/08/24	07/08/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS02 4'

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		89.8 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2428011
Chloride	1370	20.0	1	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS03 4'

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		98.1 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2428011
Chloride	2930	40.0	2	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS04 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	55.3	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		102 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2428011
Chloride	19900	400	20	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS05 4'

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6%	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		101 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2428011
Chloride	6600	100	5	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS06 4'

E40		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		105 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2428011
Chloride	9380	200	10	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS07 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		106 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428011
Chloride	1440	20.0	1	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS08 4'

		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		101 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2428011
Chloride	6420	100	5	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS09 4'

		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/09/24	
Surrogate: n-Nonane		102 %	50-200	07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2428011
Chloride	5580	40.0	2	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS10 2'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: BA		Batch: 2428005
ND	0.0250	1	07/08/24	07/10/24	
ND	0.0250	1	07/08/24	07/10/24	
ND	0.0250	1	07/08/24	07/10/24	
ND	0.0250	1	07/08/24	07/10/24	
ND	0.0500	1	07/08/24	07/10/24	
ND	0.0250	1	07/08/24	07/10/24	
	92.3 %	70-130	07/08/24	07/10/24	
mg/kg	mg/kg	Analy	st: BA		Batch: 2428005
ND	20.0	1	07/08/24	07/10/24	
	107 %	70-130	07/08/24	07/10/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2428007
ND	25.0	1	07/08/24	07/10/24	
ND	50.0	1	07/08/24	07/10/24	
	103 %	50-200	07/08/24	07/10/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2428011
-	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Result Limit 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 mg/kg mg/kg mg/kg mg/kg ND 20.0 mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Analy 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 Mg/kg mg/kg Analy ND 20.0 1 107 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 07/08/24 ND 0.0250 1 07/08/24 ND 0.0250 1 07/08/24 ND 0.0250 1 07/08/24 ND 0.0500 1 07/08/24 ND 0.0250 1 07/08/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/08/24 mg/kg mg/kg Analyst: NV ND 25.0 1 07/08/24 ND 25.0 1 07/08/24 ND 50.0 1 07/08/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/08/24 07/10/24 ND 0.0500 1 07/08/24 07/10/24 ND 0.0250 1 07/08/24 07/10/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/08/24 07/10/24 mg/kg mg/kg Analyst: BA 07/08/24 07/10/24 mg/kg mg/kg Analyst: NV 07/10/24 ND 25.0 1 07/08/24 07/10/24 ND 25.0 1 07/08/24 07/10/24 ND 50.0 1 07/08/24 07/10/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS11 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/10/24	
Surrogate: n-Nonane		87.2 %	50-200	07/08/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2428011
Chloride	8660	200	10	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS12 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		86.1 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/10/24	
Surrogate: n-Nonane		111 %	50-200	07/08/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2428011
Chloride	6350	100	5	07/08/24	07/08/24	·



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS13 2'

					Reporting		
Notes	Analyzed	Prepared	lution	Di	Limit	Result	Analyte
Batch: 2428005		BA	Analyst: BA		mg/kg	mg/kg	Volatile Organics by EPA 8021B
	07/10/24	07/08/24	1		0.0250	ND	Benzene
	07/10/24	07/08/24	1		0.0250	ND	Ethylbenzene
	07/10/24	07/08/24	1		0.0250	ND	Toluene
	07/10/24	07/08/24	1		0.0250	ND	o-Xylene
	07/10/24	07/08/24	1		0.0500	ND	p,m-Xylene
	07/10/24	07/08/24	1		0.0250	ND	Total Xylenes
	07/10/24	07/08/24		70-130	85.9 %		Surrogate: 4-Bromochlorobenzene-PID
Batch: 2428005		BA	Analyst: BA		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - GRO
	07/10/24	07/08/24	1		20.0	ND	Gasoline Range Organics (C6-C10)
	07/10/24	07/08/24		70-130	108 %		Surrogate: 1-Chloro-4-fluorobenzene-FID
Batch: 2428007		IV	Analyst: N		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - DRO/ORO
	07/10/24	07/08/24	1	·	25.0	ND	Diesel Range Organics (C10-C28)
	07/10/24	07/08/24	1		50.0	ND	Oil Range Organics (C28-C36)
	07/10/24	07/08/24		50-200	103 %		Surrogate: n-Nonane
Batch: 2428011		T	Analyst: D		mg/kg	mg/kg	Anions by EPA 300.0/9056A
	07/08/24	07/08/24	1		20.0	1880	Chloride
E		DT	Analyst: D7	30-200	mg/kg		Anions by EPA 300.0/9056A



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

FS14 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2428005
Benzene	ND	0.0250	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/08/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		87.1 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2428005
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/08/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2428007
Diesel Range Organics (C10-C28)	ND	25.0	1	07/08/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/08/24	07/10/24	
Surrogate: n-Nonane		104 %	50-200	07/08/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2428011



		QC 50	umma	ii y Data	ı				
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					7/11/2024 12:56:56PM
		Volatile O	rganics b	oy 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 (2428005-BLK1)							Prepared: 0	7/08/24 A	nalyzed: 07/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			
LCS (2428005-BS1)							Prepared: 0	7/08/24 A	analyzed: 07/09/24
Benzene	4.52	0.0250	5.00		90.5	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.0	70-130			
Toluene	4.43	0.0250	5.00		88.7	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
o,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	13.0	0.0250	15.0		86.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			
Matrix Spike (2428005-MS1)				Source:	E 407021 -	24	Prepared: 0	7/08/24 A	analyzed: 07/09/24
Benzene	5.34	0.0250	5.00	ND	107	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.23	0.0250	5.00	ND	105	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
o,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2428005-MSD1)				Source:	E407021-	24	Prepared: 0	7/08/24 A	nalyzed: 07/09/24
Benzene	4.89	0.0250	5.00	ND	97.8	54-133	8.84	20	
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133	8.53	20	
Toluene	4.80	0.0250	5.00	ND	96.0	61-130	8.66	20	
p-Xylene	4.67	0.0250	5.00	ND	93.3	63-131	8.86	20	

10.0

15.0

8.00

0.0500

0.0250

ND

ND

93.7

93.6

63-131

63-131

70-130

8.12

8.37

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.37

14.0

7.34

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				7/11	/2024 12:56:56PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	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 (2428005-BLK1)							Prepared: 0	7/08/24 Analy	/zed: 07/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			
LCS (2428005-BS2)							Prepared: 0	7/08/24 Analy	zed: 07/09/24
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			
Matrix Spike (2428005-MS2)				Source:	E407021-	24	Prepared: 0	7/08/24 Analy	zed: 07/09/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.59		8.00		107	70-130			
Matrix Spike Dup (2428005-MSD2)				Source:	E407021-	24	Prepared: 0	7/08/24 Analy	zed: 07/09/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	4.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.57		8.00		107	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 12:56:56PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				7//	11/2024 12:56:56PI
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428007-BLK1)							Prepared: 0	7/08/24 Ana	lyzed: 07/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.6		50.0		111	50-200			
LCS (2428007-BS1)							Prepared: 0	7/08/24 Ana	lyzed: 07/09/24
Diesel Range Organics (C10-C28)	314	25.0	250		126	38-132			
urrogate: n-Nonane	55.9		50.0		112	50-200			
Matrix Spike (2428007-MS1)				Source:	E407022-	07	Prepared: 0	7/08/24 Ana	lyzed: 07/09/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132			
urrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2428007-MSD1)				Source:	E407022-	07	Prepared: 0	7/08/24 Ana	lyzed: 07/09/24
Diesel Range Organics (C10-C28)	307	25.0	250	ND	123	38-132	2.60	20	
'urrogate: n-Nonane	53.7		50.0		107	50-200			



WPX Energy - Carlsbad		Project Name:	RI	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					7/11/2024 12:56:56PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428011-BLK1)							Prepared: 0	7/08/24 A	nalyzed: 07/08/24
Chloride	ND	20.0							
LCS (2428011-BS1)							Prepared: 0	7/08/24 A	nalyzed: 07/08/24
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2428011-MS1)				Source:	E407022-	03	Prepared: 0	7/08/24 A	nalyzed: 07/08/24
Chloride	3180	40.0	250	2930	97.1	80-120			
Matrix Spike Dup (2428011-MSD1)				Source:	E407022-	03	Prepared: 0	7/08/24 A	nalyzed: 07/08/24
Chloride	3630	40.0	250	2930	279	80-120	13.3	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 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/11/24 12:56

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.



Received by OCD: 8/6/2024 5:09:55 PM

Page 25 of 27

05.28.24

14:30

S

1

l, (field sampler), attest to the validity and :	authoriticity of this e	ample. Lamawar	e that tempering with or intentionally mislab	elling the sample loca	tion,			ed on ice the day they are sampled or
date or time of collection is considered fra	ud and may be grow	nds for legal action	. Sempled by: EK	· · · · · · · · · · · · · · · · · · ·		received packed in ice at ac-	avg temp above 0 but less (hen 6 °C on subsequent days.
Relinquished by (Signature)	Date 02/02/24	11mo 66;00	Received by: (Signature) Michelle Gonzale.(Date 07-02-24	11me 0600	Received on ice:	lab Use Only Y N	
Relinguished by: (Signature) MICNELLE GONZALES	Date 07-02-24	1600	Received by: (Signature) Andrew Musso	7/2/24	17:00	ITA	T2	Т3
Relinquished by: (Signature) Andrew Musso	I	Time 23:45	Received by: (Signature) Alexa Michaels	Date 7-3-24	10:00	AVG Temp °C		,
Sample Matrix: S - Solt, Sd - Solid, Sg - Sludy	re, A - Aqueous, O - I	Other		Container Type	: g - glass, p - p	oly/plastic, ag - emi	er glass, v - VOA	

FS10

10

2'

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 above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

/
α
Ψ_
0
9
Ñ
Φ
ŏ
ă
Ď.

(Page
	338
1	of 531

Project I	nformatio	on						Chain	of Cu	stody	<i>,</i>														Pa
Client: V	VPX Energ	y Permi	an, LLC.			$\overline{}$	Bill To						_									_,			····
Project:	RDX 16#	008		·····		AH	ention: Jim Raley		١			ab U		_			4 80		7/					Pro	
	Manager:						dress: 5315 Buena Vista Dr.			46		2		Num vc. Q	S-COX	al	טג	20	30		ndar	_	CWA	1 2	DWA
Address	: 13000 W	/ County	Rd 100		_		y, State, Zip: Carlsbad, NM, 88	220	ļΕ.	70	IUZ						.—			50	ĀŤγ6	<u>'-</u> -			
City, Sta	te, Zıp_O	dessa,TX,	79765		\neg 1		one: 575-885-7502	****	┼		,	Υ	Aman	1515 21	nd Me	thop	<u>'</u>					ŀ			RCRA
	332-541-7					_	ail: jim.raley@dvn.com		1	1 23	İ	l		!	1					 		щ.	Ch. a.		
Email: D	evon-tea	n@etech	renv.com				D: 21141253		1	1 8		1				ŀ				<u> </u>	iii al a	201	State UT /		
							ident ID: nAPP2307930900		1	/ORO				_		ı	_			ľ	VIV.	쒸	*	4 '	^
Collecte	d by: Edy	e Konan							_	18	1208	350	8	300.0			ž		ř			- 1		1	
Time Sempled	Oate Sampled	Matrix	No of Containers	Sample	ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by	VÖC by 8260	Metals 6010	Chloride			BGDOC		y de		-X.I.	l i	Remai	ks	
15:00	06 28.24	S	1		· <u>-</u>		FS11	11	4'								×							•	
15:30	06.28.24	s	1				FS12	12	2'								x								· · · · ·
16:00	06.28.24	5	1	<u> </u>			FS13	13	2°								x								
16:30	06.28.24	s	1				FS14	14	4'								x				•				
							2021																		
					04/	261																			
																					_				
				<u>.</u>																			•		
																				Ì	-				
	al Instruc																								
	ier), attest to of collection						that tampering with or intentionally misk Sampled by: EX	belling the samp	e loca	tlon,					ing then d in load								•	•	or
_	d by: (Signa	<u>.</u>		02/24		O	Received by: (Signature) Michelle Gonzales	07-02-2	24	Time	600		Rece	ived	on lo	e:	_	b Us V N	e On	lγ		•			
Miche	elle Go	nzale		02-24	160	0	Received by: (Signature) Andrew Musso	7/2/2	4	17	:00	2	<u> </u>				<u> </u>			_ 1	3			_	
lelinguishe 1 ndr	d by: (signa ew Mi	iwe) NSSO	7/.	2/24	71me 23:4	45	Received by: (Signature) Alexa Michaels	7-3-2	4	Time 1	0:0	[0]	AVG	Tem	p°C_	4	•							-	
emple Matri	z. 5 · Soil, 5d	- Solid, Sg - :	Studge, A - A	rutous, O ·	Other			Container	Туре	g - 8	lass,					mb	er gla	155, V	· VQ	A		·····			

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 above

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech Inc.

Printed: 7/8/2024 12:10:21PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

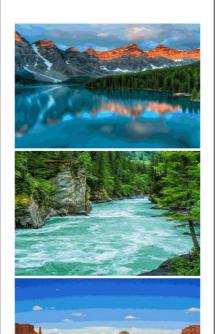
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

			-		•		
Client:	WPX Energy - Carlsbad	Date Received:	07/03/24	10:00		Work Order ID:	E407022
Phone:	(539) 573-4018	Date Logged In:	07/03/24	14:45		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	07/11/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	mples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>		
4. Was the	COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)	on.		ſ			
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	· •		145				
	ample cooler received?		Yes				
	vas cooler received in good condition?		Yes				
	sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°0	<u> </u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers		Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	 -						
	ield sample labels filled out with the minimum info	ormation:					
	mple ID?		Yes	_			
	nte/Time Collected? ollectors name?		Yes				
	reservation		Yes				
	he COC or field labels indicate the samples were pr	reserved?	No				
	mple(s) correctly preserved?	ecservea.	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	•		110				
-	se Sample Matrix	9	3.7				
	he sample have more than one phase, i.e., multipha		No				
27. II yes,	does the COC specify which phase(s) is to be analy	yzeu?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>struction</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 16 #008

Work Order: E403248

Job Number: 01058-0007

Received: 3/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/1/24

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

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

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

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

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

Date Reported: 4/1/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E403248

Date Received: 3/26/2024 11:01:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/26/2024 11:01:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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)

ljarboe@envirotech-inc.com

Cell: 505-320-4759

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 0-0.25'	5
SW02 0-0.25'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 09:57

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW01 0-0.25'	E403248-01A Soil	03/22/24	03/26/24	Glass Jar, 2 oz.
SW02 0-0.25'	E403248-02A Soil	03/22/24	03/26/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 9:57:38AM

SW01 0-0.25' E403248-01

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: 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	
	92.5 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analy	rst: EG		Batch: 2413054
ND	20.0	1	03/26/24	03/28/24	
	94.2 %	70-130	03/26/24	03/28/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2413063
ND	25.0	1	03/27/24	03/27/24	
ND	50.0	1	03/27/24	03/27/24	
·	80.6 %	50-200	03/27/24	03/27/24	
	7	A 1			Batch: 2413070
mg/kg	mg/kg	Anaiy	rst: DT		Batch: 2413070
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	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 20.0250 mg/kg mg/kg ND 20.0 94.2 % mg/kg ND 25.0 ND 50.0 80.6 %	Result Limit Dilution mg/kg mg/kg Analy 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 Analy ND 20.0 1 MB/kg mg/kg Analy ND 25.0 1 ND 50.0 1 80.6 % 50-200	Result Limit Dilution Prepared mg/kg 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 0.0500 1 03/26/24 ND 0.0250 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 25.0 1 03/27/24 ND 50.0 1 03/27/24 80.6 % 50-200 03/27/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG 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 mg/kg mg/kg Analyst: EG ND 20.0 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 80.6 % 50-200



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 9:57:38AM

SW02 0-0.25'

		E403248-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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		93.7 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2413054
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2413063
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		80.5 %	50-200	03/27/24	03/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2413070
Chloride	34.3	20.0	1	03/27/24	03/28/24	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/1/2024 9:57:38AM **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 o-Xylene 0.0250 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 99.1 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.93 0.0250 5.00 98.7 70-130 4.93 0.0250 5.00 98.6 70-130 Toluene 97.8 o-Xylene 4.89 0.0250 5.00 70-130 9.95 10.0 99.5 70-130 0.0500 p.m-Xvlene 98.9 70-130 14.8 15.0 Total Xylenes 0.0250 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 4.95 0.0250 5.00 ND 54-133 Benzene ND 97.8 61-133 Ethylbenzene 4.89 0.0250 5.00 Toluene 4.91 0.0250 5.00 ND 98.2 61-130 4.84 ND 96.7 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.86 0.0500 10.0 ND 98.6 63-131 14.7 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.38 8.00 Matrix Spike Dup (2413054-MSD1) Source: E403245-03 Prepared: 03/26/24 Analyzed: 03/28/24 4.79 0.0250 5.00 ND 95.9 54-133 3.17 4.77 61-133 0.0250 5.00 ND 95.3 2.61 20 Ethylbenzene 61-130 Toluene 4 77 0.0250 5.00 ND 953 3.01 20 4.69 5.00 ND 93.8 63-131 3.09 20 o-Xylene 0.0250 2.87 9.58 10.0 ND 95.8 63-131 20 p,m-Xylene 0.0500



14.3

7.41

0.0250

15.0

8.00

ND

95.1

92.6

63-131

70-130

2.94

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008 01058-0007	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220	Project Number: Project Manager:	Gilbert Moreno	4/1/2024 9:57:38AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4	/1/2024 9:57:38AM
	Non	halogenated	Organics	by EPA 80	15D - Gl	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 Ana	alyzed: 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 Ana	lyzed: 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 Ana	lyzed: 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 Ana	lyzed: 03/28/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130	2.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/1/2024 9:57:38AM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					4/1/2024 9:57:38AN
	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 (2413063-BLK1)							Prepared: 0	3/27/24 Aı	nalyzed: 03/27/24
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	40.1		50.0		80.2	50-200			
.CS (2413063-BS1)							Prepared: 0	3/27/24 A1	nalyzed: 03/27/24
riesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132			
urrogate: n-Nonane	41.0		50.0		81.9	50-200			
Aatrix Spike (2413063-MS1)				Source:	E403251-0	01	Prepared: 0	3/27/24 A1	nalyzed: 03/27/24
riesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	38-132			
urrogate: n-Nonane	39.8		50.0		79.6	50-200			
Matrix Spike Dup (2413063-MSD1)				Source:	E403251-0	01	Prepared: 0	3/27/24 A1	nalyzed: 03/27/24
riesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	0.478	20	
urrogate: n-Nonane	39.9		50.0		79.9	50-200			

WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno	1				4/1/2024 9:57:38AM
		Anions	by EPA 3	300.0/9056 <i>a</i>	A				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413070-BLK1)							Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	ND	20.0							
LCS (2413070-BS1)							Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2413070-MS1)				Source:	E403251-0)1	Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	331	20.0	250	83.3	98.9	80-120			
Matrix Spike Dup (2413070-MSD1)				Source:	E403251-0)1	Prepared: 0	3/27/24 A	nalyzed: 03/27/24
Chloride	323	20.0	250	83.3	96.0	80-120	2.22	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/01/24 09:57

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.



1			70-200-F-0	
	hain	Ot.	file	tod
	Halli	UI	Cus	tou

	Page	Received by OCD: 8/6/2024 5:09:55 PM of
r	ogram	d by
1	SDWA	0C
	RCRA	D: 8/a
1	TX	5/2024
1		5:09:5
27.		5 PM

C!! 4. 14	DV	D!	110			Dill To				1	L 11.	- 0-	L		1			т/			EDA D	
A CONTRACTOR OF THE CONTRACTOR	PX Energ	y Permiai	n, LLC			Bill To			I ah MO			e On		hor		1D	חכו	3D	0.993	ndard	EPA Pr CWA	SDW
		Gilbert M	loreno			Attention: Jim Raley Address: 5315 Buena Vista	Dr		Lab WO E以の	271	8	VIV	× SX	TY	TY	10	20	30	100000000000000000000000000000000000000	y TAT	CVVA	3011
		County F				City, State, Zip: Carlsbad, NI	5200000		L 40	<u> </u>	10	Analy	sis ar	nd Me	thod					7		RCF
		lessa,TX,				Phone: 575-885-7502	11, 00220			T		1			T							
	32-541-7					Email: jim.raley@dvn.com							1								State	
Email: De	evon-tear	n@etech	env.com		86.3	WBS/WO: 21141253				н			0.0		no	Σ			Ν	M CO	UT AZ	TX
Collected	by: Gilbe	ert Morer	10		Ekarja.	Incident ID: nAPP23079309	00		Ŧ	, 802	8260	6010	e 300		/Ani			¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Lab mber	Depth(ft.)	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC			Remarks	
12:30	3.22.24	S	1			SW01		1	0-0.25'							X						
12:40	3.22.24	S	1			SW02		2	0-0.25'							Х						
						/			_													
																			_			
) ~																				
	Car	Bur																				
Addition	al Instruc	tions:	L																			
, (field samp	oler), attest t	o the validity	and authent	icity of this sa	mple. I am	aware that tampering with or intentio	nally mislabelling	the sam	ple locatio	n,		Decision in water to	Section 1	7.00							they are samp	led or
fate or time	of collection	is considere	ed fraud and	may be ground	ds for legal	action. Sampled by: GM						receive	ed packe	ed in ice	at an a					5 °C on subse	quent days.	
Relinquishe	ed by) (Sign	ature)	3. 2	25-24	ime 10:00	Received by: (Signature)	Date	.25	24 /	12	O	Rece	eived	on id	ce:		b Us	se On	ily			
Relinquishe	d by: (Sign	ature)	Date 3	2524	1420	Received by: (Signature)	Date 3	-25	-2+ Time	63	0	T1				T2			_ I	3		
Relinquishe	ed by: (8ign	ature)	Date	2524	ime	Received by: (Signature)	Date 2	. 1	Time		. 1	AVG		0-	(+						

ber glass, v - VOA
ne client expense. The report for the analysis of the
ort.

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

Page 35

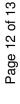
Page 35

Page 35

Page 35

Page 35

Page



Printed: 3/26/2024 4:13:51PM

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:	03/26/24	11:01		Work Order ID:	E403248
Phone:	(539) 573-4018	Date Logged In:	03/26/24	11:00		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:		17:00 (4 day TAT)		86	
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	ch 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	ted analyses?	Yes	_			
5. Were a	Il 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 disucssio					Comments	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, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<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 contain	ers collected?	Yes				
Field La							
	field sample labels filled out with the minimum infor	rmation:	V				
	ample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes Yes				
	Preservation		103				
	the COC or field labels indicate the samples were pro	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	etals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		zcu:	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	o: NA		
Client In	<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 16 #008

Work Order: E407023

Job Number: 01058-0007

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/11/24

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: 7/11/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E407023

Date Received: 7/3/2024 10:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

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 Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1			
Cover Page	2			
Table of Contents	3			
Sample Summary	4			
Sample Data	5			
SW01 0-4'	5			
SW02 0-4'	6			
SW03 0-2'	7			
SW04 0-4'	8			
QC Summary Data	9			
QC - Volatile Organic Compounds by EPA8260B	9			
QC - Nonhalogenated Organics by EPA 8015D - GRO	10			
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11			
QC - Anions by EPA 300.0/9056A	12			
Definitions and Notes	13			
Chain of Custody etc.				

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:	
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:	
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/11/24 09:42	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW01 0-4'	E407023-01A Soil	07/01/24	07/03/24	Glass Jar, 2 oz.
SW02 0-4'	E407023-02A Soil	07/01/24	07/03/24	Glass Jar, 2 oz.
SW03 0-2'	E407023-03A Soil	07/01/24	07/03/24	Glass Jar, 2 oz.
SW04 0-4'	E407023-04A Soil	07/01/24	07/03/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 9:42:31AM

SW01 0-4' E407023-01

		E407023-01					
Analyta	Result	Reporting Limit	Dilu	ıti am	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilu	шоп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428010
Benzene	ND	0.0250	1	l	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	l	07/08/24	07/10/24	
Toluene	ND	0.0250	1	l	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	[07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	[07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	l	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		93.7 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg Analyst: RKS		Batch: 2428010				
Gasoline Range Organics (C6-C10)	ND	20.0	1	[07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		93.7 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428006
Diesel Range Organics (C10-C28)	ND	25.0	1	[07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/08/24	07/09/24	
Surrogate: n-Nonane		102 %	50-200		07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2428011
Chloride	349	20.0	1	1	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 9:42:31AM

SW02 0-4' E407023-02

		E40/023-02					
Analyta	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Liinit	ווע	utiOII	rrepareu	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2428010
Benzene	ND	0.0250		1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/08/24	07/10/24	
Toluene	ND	0.0250		1	07/08/24	07/10/24	
o-Xylene	ND	0.0250		1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		92.2 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS		Batch: 2428010			
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		92.2 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2428006
Diesel Range Organics (C10-C28)	ND	25.0		1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/08/24	07/09/24	
Surrogate: n-Nonane		105 %	50-200		07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2428011
Chloride	348	20.0		1	07/08/24	07/08/24	
morac	0.0	20.0					



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 9:42:31AM

SW03 0-2' E407023-03

		E40/023-03					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyte	Result	Limit	וועו	HIOH	rrepareu	Anaryzed	INOIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428010
Benzene	ND	0.0250	1	1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250	1	1	07/08/24	07/10/24	
Toluene	ND	0.0250	1	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250	1	1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500	1	1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250	1	1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		92.3 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: RKS		Batch: 2428010		
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		92.3 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/08/24	07/09/24	
Surrogate: n-Nonane		105 %	50-200		07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2428011
Chloride	363	20.0	1	1	07/08/24	07/08/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 9:42:31AM

SW04 0-4' E407023-04

		E40/023-04					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Diit	ши	ricpared	Analyzeu	INOICS
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2428010
Benzene	ND	0.0250		1	07/08/24	07/10/24	
Ethylbenzene	ND	0.0250		1	07/08/24	07/10/24	
Toluene	ND	0.0250	į	1	07/08/24	07/10/24	
o-Xylene	ND	0.0250		1	07/08/24	07/10/24	
p,m-Xylene	ND	0.0500		1	07/08/24	07/10/24	
Total Xylenes	ND	0.0250		1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		93.5 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS		Batch: 2428010			
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	07/08/24	07/10/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/08/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		07/08/24	07/10/24	
Surrogate: Toluene-d8		93.5 %	70-130		07/08/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2428006
Diesel Range Organics (C10-C28)	ND	25.0		1	07/08/24	07/09/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/08/24	07/09/24	
Surrogate: n-Nonane		109 %	50-200		07/08/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2428011
Chloride	360	20.0		1	07/08/24	07/08/24	



QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 7/11/2024 9:42:31AM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Prepared: 07/08/24 Analyzed: 07/10/24 Blank (2428010-BLK1) ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.485 0.500 97.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.475 0.500 94.9 70-130 0.500 92.2 70-130 Surrogate: Toluene-d8 0.461 LCS (2428010-BS1) Prepared: 07/08/24 Analyzed: 07/10/24 2.62 0.0250 2.50 105 70-130 Benzene 2.50 94.8 70-130 2.37 Ethylbenzene 0.0250 2.24 0.0250 2.50 89.5 70-130 2.27 70-130 0.0250 2.50 90.8 o-Xylene 4.54 5.00 90.8 70-130 p,m-Xylene 0.0500 6.81 0.0250 7.50 90.8 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.496 0.500 99.1 70-130 0.500 95.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 70-130 Surrogate: Toluene-d8 0.500 0.463 Matrix Spike (2428010-MS1) Source: E407024-04 Prepared: 07/08/24 Analyzed: 07/10/24 2.76 0.0250 2.50 ND 110 48-131 45-135 Ethylbenzene 2.49 0.0250 2.50 ND 99.8 93.3 48-130 Toluene 2.33 0.0250 2.50 ND 2.34 0.0250 2.50 ND 93.7 43-135 o-Xylene 4.73 ND 94.6 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.07 0.0250 7.50 ND 94.3 43-135 98.5 Surrogate: Bromofluorobenzene 0.493 0.500 70-130 0.495 0.500 98.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.466 93.1 Surrogate: Toluene-d8 Matrix Spike Dup (2428010-MSD1) Source: E407024-04 Prepared: 07/08/24 Analyzed: 07/10/24 0.254 2.75 0.0250 2.50 ND 110 48-131 23 0.0250 2.50 ND 98.7 45-135 1.11 27 Ethylbenzene ND 92.9 48-130 0.408 24 2.32 2.50 Toluene 0.0250 o-Xylene 2.37 0.0250 2.50 ND 94.6 43-135 0.956 27 4.74 5.00 ND 94.9 43-135 0.296 27 p,m-Xylene 0.0500 27 7.11 0.0250 7.50 ND 94.8 43-135 0.515



0.500

0.500

0.500

98.0

95.8

70-130

70-130

70-130

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

0.490

0.479

0.458

Matrix Spike Dup (2428010-MSD2)

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

48.1

0.500

0.460

0.481

QC Summary Data

WPX Energy - CarlsbadProject Name:RDX 16 #008Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno7/11/2024 9:42:31AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				7/11	/2024 9:42:31A
	Non	halogenated	Organics l	by EPA 801	15D - Gl	RO		A	nalyst: 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 (2428010-BLK1)							Prepared: 0	7/08/24 Analy	zed: 07/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.2	70-130			
LCS (2428010-BS2)							Prepared: 0	7/08/24 Analy	zed: 07/10/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130			
Matrix Spike (2428010-MS2)				Source:	E407024-	04	Prepared: 0	7/08/24 Analy	zed: 07/10/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.471		0.500		94.2	70-130			

50.0

0.500

0.500

0.500

20.0

Source: E407024-04

96.1

100

92.0

96.1

ND

70-130

70-130

70-130

70-130

1.33



Prepared: 07/08/24 Analyzed: 07/10/24

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/11/2024 9:42:31AM

Carisbad IVIVI, 66220		1 Toject Ivianage	1. 01	ibert Moreno				**	7.12.3176
	Nonha	logenated Or	ganics by	EPA 8015I	O - 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 (2428006-BLK1)							Prepared: 0	7/08/24 Ana	lyzed: 07/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.8		50.0		118	50-200			
LCS (2428006-BS1)							Prepared: 0	7/08/24 Ana	lyzed: 07/08/24
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			
Matrix Spike (2428006-MS1)				Source:	E407023-0	02	Prepared: 0	7/08/24 Ana	lyzed: 07/08/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	53.7		50.0		107	50-200			
Matrix Spike Dup (2428006-MSD1)				Source:	E407023-0	02	Prepared: 0	7/08/24 Ana	lyzed: 07/08/24
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	3.41	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #008				Reported:		
5315 Buena Vista Dr		Project Number:	01	058-0007						
Carlsbad NM, 88220		Project Manager:	: G	ilbert Moreno					7/11/2024 9:42:31AM	
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2428011-BLK1)							Prepared: 0	7/08/24 A	nalyzed: 07/08/24	
Chloride	ND	20.0								
LCS (2428011-BS1)							Prepared: 0	7/08/24 A	nalyzed: 07/08/24	
Chloride	246	20.0	250		98.3	90-110				
Matrix Spike (2428011-MS1)				Source:	E407022-0)3	Prepared: 0	7/08/24 A	nalyzed: 07/08/24	
Chloride	3180	40.0	250	2930	97.1	80-120				
Matrix Spike Dup (2428011-MSD1)				Source:	E407022-0)3	Prepared: 0	7/08/24 A	nalyzed: 07/08/24	
Chloride	3630	40.0	250	2930	279	80-120	13.3	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 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/11/24 09:42

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.



Sample Matrix 5 - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other

P
age
36
6 of
531

Project le	nformatic	on					Cha	in of (Cusi	tody	,												Pa	nge of
		zy Permia	in, LLC.		<u> </u>	Bill To					Li	ab U	se Or	ıly		_			TA	T		EPA P	rogram	1
	RDX 16#				Att	ention: Jim Raley		٦Ŀ	ab I	WO	,		Job	Nurr	ber		1D	2D	3D	Sta	ndard	CWA	SOWA	1
		Gilbert N				dress: 5315 Buena Vista Dr.		<u>T</u>	ب ج	Ю	102	13	Mo	58	<u> </u>	K					y TAT		 	1
Address	13000 W	/ County	Rd 100		Cit	y, State, Zip: Carlsbad, NM, 8	8220			-	+		Analy	sis a	nd Me	thod	 			1			RCRA	1
City, Sta	te, Zip_O	dessa,TX,	79765			one: 575-885-7502		一	П		1		Г	Γ									 	1
Phone: 8	32-541-7	719			Em	ail: jim.raley@dvn.com		-1		\$108	1	l				Ī	ļ	- 1				State	-	1
Email: D	evon-tea	m@etecl	nenv.con	`		D: 21141253	·····	_		ā	ĺ						ı	- 1		1	м со	UT AZ	TXT	1
				·		ident ID: nAPP2307930900			- 1	õ		ł						- 1		1				1
					''''				١	2	<u></u>		٦	8			ž		J		ļ	l		
		te Konan			L,				-	тен ско/око,	BTEX 6y 802)	33	Metals 6010	8	li		- 1	- 1	ř	L	<u></u>	<u> </u>		
Time	Date	Matrix	No of	Sample I	D		Le	,	Depth(ft.)	3	×	Š	1	Chloride			86000	- 1	2005	[Remark		1
Sampled	Sampled		Containers	- John Pile			Num	ber	<u>ĝ</u>	Ē	ᇤ	ğ	ž	3	Ш		8		용			NC+HOLK.	<u> </u>	
11:00	07.01.24	S	1	1		SW01	1	O	14								x							
11:30	07.01.24	s	1			SW02	a	0	1-4'								х]
12:00	07.01.24	s	1			SW03	3	0	-2'							\Box	×							1
12:30	07,01,24	s	1			SW04	4	0	-4"							Ī	×				•]
-	-						······································											一	7	一		<u> </u>		1
				1		-		十	1							寸		1	\dashv	\dashv				1
_				<u> </u>		02/02/2021							ļ						-	_	·			-
				T												コ								1
				-		- · · · · · · · · · · · · · · · · · · ·		十	1							\dashv			1	\dashv				1
			 	1		<u> </u>		十			-					\dashv			+	\dashv				1
Addition	al Instru	tions:	<u> </u>	<u> </u>							L	L	<u> </u>		Ш					Ц.				1
				-	sample, Fernawari	e that tampering with or intentionally mi	islaballing the	i.imple	local	lion,												y they are sac sequent days		1
elinguishe	d by: (Sign	otyre)	Date		Time	Received by: (Signature) Michelle Gonzale	0ato 07-	02-2	- 1	Time Of	500		Rec	eivec	l on ic	: :	_	b Usa Y N	e On	ly				1
elinguishe	d by: (Sign		Date		Time	Received by: (Signature) Andrew Musso	Date	2/2	T	Плъф			T1		11		<u>ن</u> 12	<i>,</i> "		1	3			
elinguishe	d by: (Sign: 'ew M	ture)	Date		Time	Received by: (Signature) Glegga Michaels	Date	.94	T	Time			1	Tan	on °C		Ī			_ :	T.,			

Note: Samples are discarded 30 days after results are reported unless other errangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

envirotech

Printed: 7/8/2024 12:14:25PM

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:	07/03/24	10:00		Work Order ID:	E407023
Phone:	(539) 573-4018	Date Logged In:	07/03/24	14:51		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	07/11/24	17:00 (4 day TAT)			
	Custody (COC) e sample ID match the COC?		Yes				
	e number of samples per sampling site location mate	the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: C	Couier		
4. Was the	COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	- · · · · · · -	<u> </u>		
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
8. If yes, v	vas cooler received in good condition?		Yes				
9. Was the	sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e 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 isible ice, record the temperature. Actual sample	received w/i 15	Yes				
Sample C		<u> </u>	<u>-</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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	ppropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lab			145				
	ield sample labels filled out with the minimum infor	mation:					
	mple ID?		Yes				
D	ate/Time Collected?		Yes				
Co	ollectors name?		Yes				
_	reservation						
	he COC or field labels indicate the samples were pre	eserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
	se Sample Matrix						
	he sample have more than one phase, i.e., multiphas		No				
27. If yes,	does the COC specify which phase(s) is to be analyzed	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	mples required to get sent to a subcontract laborator	y?	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client In	struction						
<u>Cheme in</u>	struction						

Date

APPENDIX G

Correspondence & Notifications

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



Anna Byers

From: Joseph Hernandez

Sent: Friday, June 9, 2023 1:02 PM

To: Anna Byers

Subject: FW: WPX Site Sampling Update (5/22 - 5/26/2023)

From: Erick Herrera <erick@etechenv.com> Sent: Wednesday, May 17, 2023 5:14 PM

To: OCD.Enviro@emnrd.nm.gov; blm_nm_cfo_spill@blm.gov

Cc: jim.raley@dvn.com; Devon-Team < Devon-Team@etechenv.com>

Subject: WPX Site Sampling Update (5/22 - 5/26/2023)

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following site between May 22 – May 26, 2023:

Site Name: RDX 16-#008 API: 30-015-39751

Incident Number: nAPP2307930900

Thank you,

Erick Herrera Staff Geologist



Work: (432) 305-6416 Cell: (281) 777-4152

Anna Byers

From: Buchanan, Michael, EMNRD < Michael. Buchanan@emnrd.nm.gov>

Sent: Friday, June 2, 2023 9:52 AM

To: Erick Herrera; Enviro, OCD, EMNRD; blm nm cfo spill@blm.gov

Cc: Raley, Jim; Devon-Team; Hamlet, Robert, EMNRD **Subject:** RE: [EXTERNAL] WPX Sampling Update (6/5 - 6/9/2023)

Some people who received this message don't often get email from michael.buchanan@emnrd.nm.gov. Learn why this is <u>important</u>

Good morning,

Received.

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Respectfully,

Mike Buchanan • Environmental Specialist **Environmental Bureau** EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE | Albuquerque, NM 87113 | michael.buchanan@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Erick Herrera <erick@etechenv.com> **Sent:** Wednesday, May 31, 2023 3:32 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team@etechenv.com>

Subject: [EXTERNAL] WPX Sampling Update (6/5 - 6/9/2023)

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

Good afternoon.

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 5 – June 9, 2023:

Site Name: RDU 61 API: 30-015-41980

Incident Number: NAB1631949226

Site Name: RDX 16-#008 API: 30-015-39751

Incident Number: nAPP2307930900

Thank you,

Erick Herrera Staff Geologist



Work: (432) 305-6416 Cell: (281) 777-4152

Erick Herrera

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

Sent: Tuesday, February 13, 2024 11:01 AM

To: Raley, Jim

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

Subject: WPX Energy Extension Request - RDX 16-8 (nAPP2307930900)

Some people who received this message don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

Jim,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **May 13th**, **2024** is approved. Please include this email correspondence in the Remediation Closure Report.

Regards,

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, February 12, 2024 2:40 PM

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

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

Subject: [EXTERNAL] WPX Energy Extension Request - RDX 16-8 (nAPP2307930900)

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

Robert.

WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a report required in 19.15.29.12.B.(1) NMAC at the RDX 16-8 (Site) associated with the following Incident Number nAPP2307930900.

WPX has completed the work proposed in Remediation Work Plan approved by NMOCD on **November 14, 2023**. To provide enough time to review and compile the data and field summaries associated with **nAPP2307930900** and to submit a formal report for this incident, WPX requests a 30-day extension of the deadline to **March 13, 2024**.

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



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

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 302176

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	302176
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites						
Incident ID (n#)	nAPP2307930900					
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751					
Incident Type	Produced Water Release					
Incident Status	Remediation Plan Approved					
Incident Well	[30-015-39751] RDX 16 #008					

Location of Release Source							
Site Name RDX 16 #008							
Date Release Discovered	03/16/2023						
Surface Owner State							

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,250
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/18/2024
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 Stateline & Whitehorn Rd, head east on Stateline Rd for approximately 2.33 mi. North approximately 2.57 mi. SE for 0.09 mi. North for 0.19 to entrance, NE for 0.03 mi. to Location (32.045295, -103.8810375)

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 302176

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	302176
	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.	1/10/2024

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 324561

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	324561
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307930900
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39751] RDX 16 #008

Location of Release Source	
Site Name	RDX 16 #008
Date Release Discovered	03/16/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	4,250	
What is the estimated number of samples that will be gathered	26	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/22/2024	
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 Stateline & Whitehorn Rd, head east on Stateline Rd for approximately 2.33 mi. North approximately 2.57 mi. SE for 0.09 mi. North for 0.19 to entrance, NE for 0.03 mi. to well pad (32.045295, -103.8810375)	

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 324561

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	324561
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Create 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.	3/19/2024

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

QUESTIONS

Action 346538

QUESTIONS

State of New Mexico Energy, Minerals and Natural Resources

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	346538
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307930900
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39751] RDX 16 #008

Location of Release Source	
Site Name	RDX 16 #008
Date Release Discovered	03/16/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	2,350	
What is the estimated number of samples that will be gathered	12	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/24/2024	
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 intersection of stateline rd & whitehorn rd, go E on stateline rd for 2.33 mi, N for 2.57 mi, SE for 0.09 mi, N for 0.19 mi to entrance, NE for 0.03 mi to location (32.0454295,-103.8810375)	

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 346538

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	346538
	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.	5/22/2024

<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 356913

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356913
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307930900
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39751] RDX 16 #008

Location of Release Source	
Site Name	RDX 16 #008
Date Release Discovered	03/16/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	4,250	
What is the estimated number of samples that will be gathered	20	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/28/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions	
Please provide any information necessary for navigation to sampling site	From intersection of State Line rd & Whitehorn rd, go E on State Line rd for 2.33 mi, N for 2.57 mi, SE for 0.09 mi, N for 0.19 mi to entrance, NE for 0.03 mi to location (32.0454295, -103.8810375)	

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 356913

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356913
	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.	6/24/2024

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 359227

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359227
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307930900
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39751] RDX 16 #008

Location of Release Source	
Site Name	RDX 16 #008
Date Release Discovered	03/16/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	4,250	
What is the estimated number of samples that will be gathered	20	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/01/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions	
Please provide any information necessary for navigation to sampling site	From intersection of State Line rd & Whitehorn rd, go E on State Line rd for 2.33 mi, N for 2.57 mi, SE for 0.09 mi, N for 0.19 mi to entrance, NE for 0.03 mi to location (32.0454295, -103.8810375)	

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 359227

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359227
	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.	6/27/2024

Erick Herrera

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

Sent: Wednesday, May 8, 2024 10:45 AM

To: Raley, Jim

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

Subject: WPX Energy - Extension Request - RDX 16-8 (nAPP2307930900)

Some people who received this message don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

RE: Incident #NAPP2307930900

Jim,

Your request for a 90 day extension to **August 6th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Raley, Jim < Jim.Raley@dvn.com> Sent: Wednesday, May 8, 2024 9:07 AM

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

Cc: Devon-Team < Devon-Team@etechenv.com>; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>; Wells,

Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] WPX Energy Extension Request - RDX 16-8 (nAPP2307930900)

Robert,

We are currently attempting to complete remediation of incident nAPP2307930900. It will require excavation by hand of a large quantity of soils in the tank battery. We recently secured a crew to complete this work and expect to have this work completed shortly.

With this being the case, WPX respectfully asks for a 90 day extension on incident nAPP2307930900 in order to complete.

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



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

Sent: Tuesday, February 13, 2024 10:01 AM

To: Raley, Jim <Jim.Raley@dvn.com>

Cc: Devon-Team < Devon-Team@etechenv.com >; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >; Wells,

Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: [EXTERNAL] WPX Energy Extension Request - RDX 16-8 (nAPP2307930900)

Jim,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **May 13**th, **2024** is approved. Please include this email correspondence in the Remediation Closure Report.

Regards,

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 < <u>Jim.Raley@dvn.com</u>>
Sent: Monday, February 12, 2024 2:40 PM

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

Cc: Devon-Team@etechenv.com>

Subject: [EXTERNAL] WPX Energy Extension Request - RDX 16-8 (nAPP2307930900)

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

Robert.

WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a report required in 19.15.29.12.B.(1) NMAC at the RDX 16-8 (Site) associated with the following Incident Number **nAPP2307930900**.

WPX has completed the work proposed in Remediation Work Plan approved by NMOCD on **November 14, 2023**. To provide enough time to review and compile the data and field summaries associated with **nAPP2307930900** and to submit a formal report for this incident, WPX requests a 30-day extension of the deadline to **March 13, 2024**.

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



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

APPENDIX H

Archived Reports

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



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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

			Res	sponsil	ole Party	y	
Responsible Party WPX Energy Permain, LLC			OGRID 2	246289			
Contact Name Jim Raley				Contact Te	elephone 575-689-7597		
Contact ema	il Jim.Rale	y@dvn.com			Incident #	(assigned by OCD) nAPP2307930900	
Contact mail 88220	ling address	5315 Buena Vis	ta Drive, Carlsba	ad, NM			
			Location	n of R	elease So	ource	
Latitude32	2.0457649 <u> </u>		(NAD 83 in a	decimal deg	Longitude _ rees to 5 decim	103.88517 mal places)	
Site Name: R	DX 16 #008	}			Site Type C	Oil Well	
Date Release	Discovered	: 3/16/2023			API# (if app	plicable) 30-015-39751	
Unit Letter	Section	Township	Range		Coun	nty	
G	16	26S	30E	Eddy			
Crude Oi		l(s) Released (Select a				Release justification for the volumes provided below) Volume Recovered (bbls) 2	
Produced	✓ Produced Water Volume Released (bbls) 30			Volume Recovered (bbls) 25			
Is the concentration of dissolved chloride in produced water >10,000 mg/l?			in the	⊠ Yes □ No			
Condensa	Condensate Volume Released (bbls)					Volume Recovered (bbls)	
☐ Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		ide units)		Volume/Weight Recovered (provide units)			
overflow to s	secondary cost $t_{P} = \frac{saturate}{s}$	ontainment.				ter transfer pump to activate. This caused a tank evered fluids (bbl)	

Received by OCD: 8/6/20245:09:55 PM State of New Mexico
Page 2 Oil Conservation Division

Pag	e 3	89 o	f 5	31

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
19.15.29.7(A) NMAC?	
⊠ Yes □ No	
If VEC	etics since to the OCD2 December 2. To subser 2. When and be substance of change and 1. (4) 2
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? nd Rosa Romero on 3/17/2023
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.
	as been secured to protect human health and the environment.
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have not been undertaken, explain why:
Per 19 15 29 8 B (4) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environr	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	
Printed Name:Jim Ral	ey Title:Environmental Professional
Signature: _ fix R4y	
Signature:	Date:3/20/2023
email:jim.raley@dvn	.com Telephone: 575-689-7597
OCD Only	
Received by:Jocely	n Harimon Date: 03/20/2023

State of New Mexico

Last Low LD PARP2207020000

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	⊠ Yes □ No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information 			

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

Topographic/Aerial maps

□ Laboratory data including chain of custody

Received by OCD: 8/6/2024 5:09:55 PM State of New Mexico
Page 4 Oil Conservation Division

	Page 394 of 33.
Incident ID	nAPP2307930900
District RP	

Facility ID
Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: __Jim Raley _______ Title: __Environmental Professional Date: _6/13/2023 Signature: email: <u>Jim.Raley@dvn.com</u> Telephone: <u>575-689-7597</u> **OCD Only** 06/13/2023 Jocelyn Harimon Received by: Date:

tate of New Mexico

Incident ID	nAPP2307930900
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.		
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 			
Deferral Requests Only: Fach of the following items must be con	nfirmed as part of any request for deferral of remediation		
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation. ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.			
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name:	Title: Environmental Professional		
Signature:	Date:6/13/2023		
email: <u>Jim.Raley@dvn.com</u>	Telephone: <u>575-689-7597</u>		
OCD Only			
Received by: Jocelyn Harimon	Date:06/13/2023		
Approved	Approval		
Signature:	Date:		



REMEDIATION WORK PLAN

RDX 16 #008

Eddy County, New Mexico
Incident Number nAPP2307930900

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 Remediation Work Plan (RWP) detailing site assessment and delineation soil sampling activities at the RDX 16 #008 ((Site) (Figure 1 in Appendix A)) associated with an inadvertent release of crude oil and produced water. Based on field observations, field screening activities and review of the laboratory analytical results from delineation soil sampling activities at the Site, WPX proposes this RWP which summarizes corrective actions and details remediation objectives to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

On March 16, 2023, a storage tank overflow resulted in approximately 4 barrels (bbls) of crude oil and 30 bbls of produced water to be released within the tank battery containment earthen berm. Vacuum trucks were immediately dispatched and recovered approximately 2 bbls of crude oil and 25 bbls of produced water. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on March 20, 2023, and was subsequently assigned Incident Number nAPP2307930900. Shortly after the incident, the release area was mapped based on field observations, hereafter referred to as the Area of Concern (AOC) and presented on **Figure 2** in **Appendix A**.

The production well (API 30-015-39751) for this Site is located in Unit G, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0457649°, -103.88517°) as provided on the initial Form C-141 and is associated with oil and gas exploration and production operations on State Land.

The storage tanks for the well, where the release occurred, is located east of the production well in Unit H, Section 16, Township 26 South, Range 30 East, in Eddy County New Mexico (32.04507°, -103.88068°). The updated legals and coordinates are provided on the Final Form C-141.

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.

Based on the initial desktop review, the Site appears to be within proximity of three potential receptors. The closest continuously flowing or significant water course to the Site appears to be an ephemeral stream identified on the NMOCD Oil and Gas Map online database and on the United States Geological Survey (USGS) 7.5-minute quadrangle map, located to the north within 300 feet of the Site. Forested/Shrub Riparian Wetlands were identified on the United States Fish and Wildlife Service (USFWS) online database, National Wetland Inventory (Wetland Mapper), located to the east and west



within 300 feet of the Site. The Site is located within a 100-year floodplain, as defined by the Federal Emergency Management Agency's (FEMA) National Flood Hazard Layer (NFHL) online database.

Based on the desktop review of the current BLM Carlsbad Field Office (CFO) karst cave potential map, this Site is located in a medium potential karst area. All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1** in **Appendix A**.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring performed by Talon LPE on behalf of WPX, located approximately ½ mile south of the Site on the RDX 16-25 well pad. Soil boring (MW-1) was advanced on December 16, 2020, via truck mounted drill rig equipped with hollow stem auger to a total depth of 110 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix B**.

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	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

DELINEATION SOIL SAMPLING ACTIVITIES

On May 22, 2023, Etech evaluated the Site based on information provided by WPX and conducted delineation activities to assess the AOC. Six delineation locations (BH01 through BH06) were advanced via hand auger and/or backhoe within and around the AOC, which were driven by field screening soil samples for volatile organic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples were collected per sampling location, representing the highest observed field screening concentrations and the greatest depth representing the characterization of impacts. Field screening results and soil descriptions were denoted on soil sampling logs, which is included as **Attachment C**. The location of the delineation soil samples is shown in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Attachment 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 Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples assisting with lateral delineation (BH02 through BH05) were compliant with Site Closure Criteria.

Laboratory analytical results for the remaining samples collected within the AOC (BH01 and BH06) indicated that at least one of the COCs exceeded the Site Closure Criteria. Identified chloride impacts are characterized by concentrations ranging from 666 mg/kg to 5,290 mg/kg. Elevated TPH and BTEX

Remediation Work Plan Incident Number nAPP2307930900 RDX 16 #008



concentrations were only present at 0.5 feet bgs at BH06 and decreased to concentrations below Site Closure Criteria at 4 feet bgs.

Laboratory analytical results are summarized in Table 1 as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.

PROPOSED REMEDIATION WORK PLAN

Based on the delineation soil sampling results, the following conclusions regarding the release are presented:

- Laboratory analytical results for soil samples collected from BH01 within the AOC indicated elevated chloride concentrations (666 mg/kg and 5,290 mg/kg) exist up to 12 feet bgs. TPH concentrations only appear to exist in the proximity of sample location BH06, which dramatically decreased from 2,590 mg/kg at 0.5 feet bgs to 91.2 mg/kg at 4 feet bgs. Further investigation is necessary to determine the vertical extent of residual impacts associated with BH01;
- Laboratory analytical results for soil samples collected from BH02 through BH05 indicated COC concentrations were below the Site Closure Criteria, which will assist with defining the lateral extent of impacts associated with the inadvertent release.

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

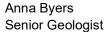
- WPX proposes to continue advancement of BH01 to investigate the vertical extent of the AOC via mechanical equipment (Figure 2 in Appendix A). Soil samples will be collected at a maximum frequency of 5-foot intervals and field screened for volatile organic compounds and chloride as previously described. Soil observations and field screening results for each delineation soil sample will be recorded on soil sampling logs. Soil sample locations will be mapped using a handheld GPS unit.
- WPX proposes to attempt advancement of lateral delineation boreholes BH02 through BH05 to
 match the total depth of BH01 to confirm the horizontal extent of impacts. Soil samples will be
 collected from each delineation location at a maximum frequency of 5-foot intervals and field
 screened for volatile organic compounds and chloride as previously described. Continued soil
 observations and field screening results for each delineation soil sample will be recorded on soil
 sampling logs. Soil sample locations will be mapped using a handheld GPS unit.
- A minimum of two soil samples will be collected from each delineation point location, representing the highest field screened concentration(s) and the greatest depth, and submitted to an accredited lab for analysis of BTEX, TPH and Chloride.
- Upon receipt and review of delineation soil laboratory results, WPX will determine the appropriate measure of corrective actions that will include:
 - Documenting and estimating an amount of impacted soil to be left in place at the Site with a subsequent Deferral Report detailing remediation efforts and soil sampling activities or
 - Preparing a RWP detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from assessment and delineation activities.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Anna Byers at (575) 200-6754 or anna@etechenv.com.



Sincerely,

eTECH Environmental and Safety Solutions, Inc.



cc: Jim Raley, Devon

New Mexico Oil Conservation Division

State Land Office

Joseph S. Hernandez Senior Managing Geologist

Appendices:

Appendix A Figure 1: Site Map

Figure 2: Delineation Soil Sample Locations

Appendix B Referenced Well Records
Appendix C Lithologic Sampling Logs

Appendix D Photographic Log

Appendix E Tables

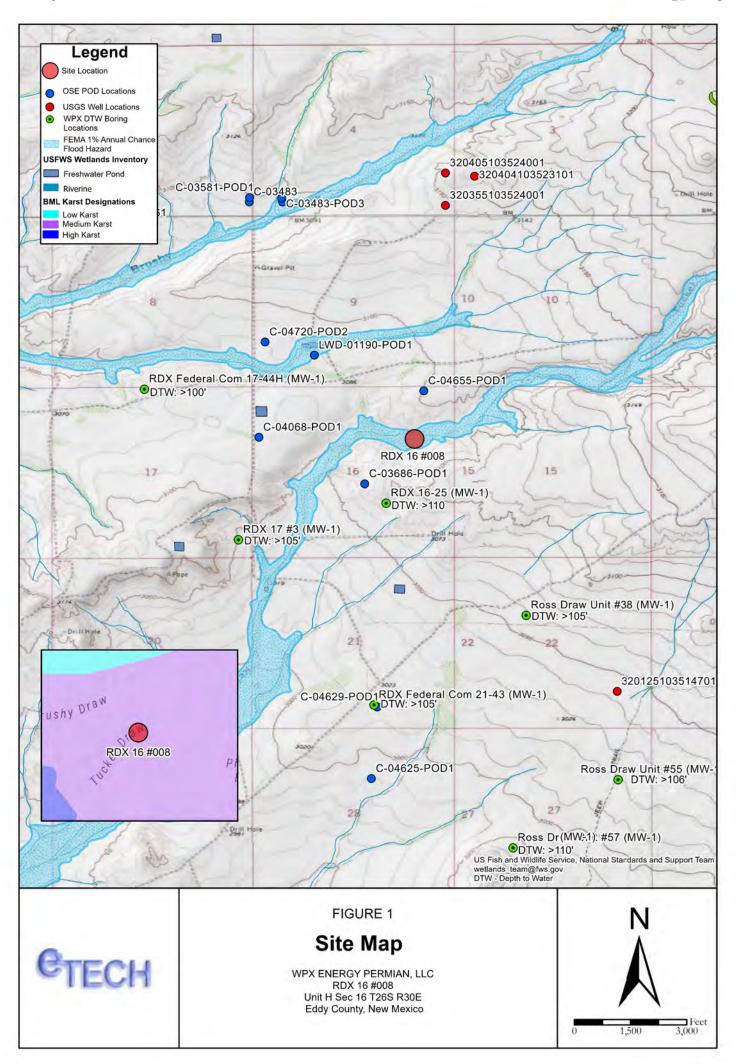
Appendix F Laboratory Analytical Reports & Chain-of-Custody Documentation

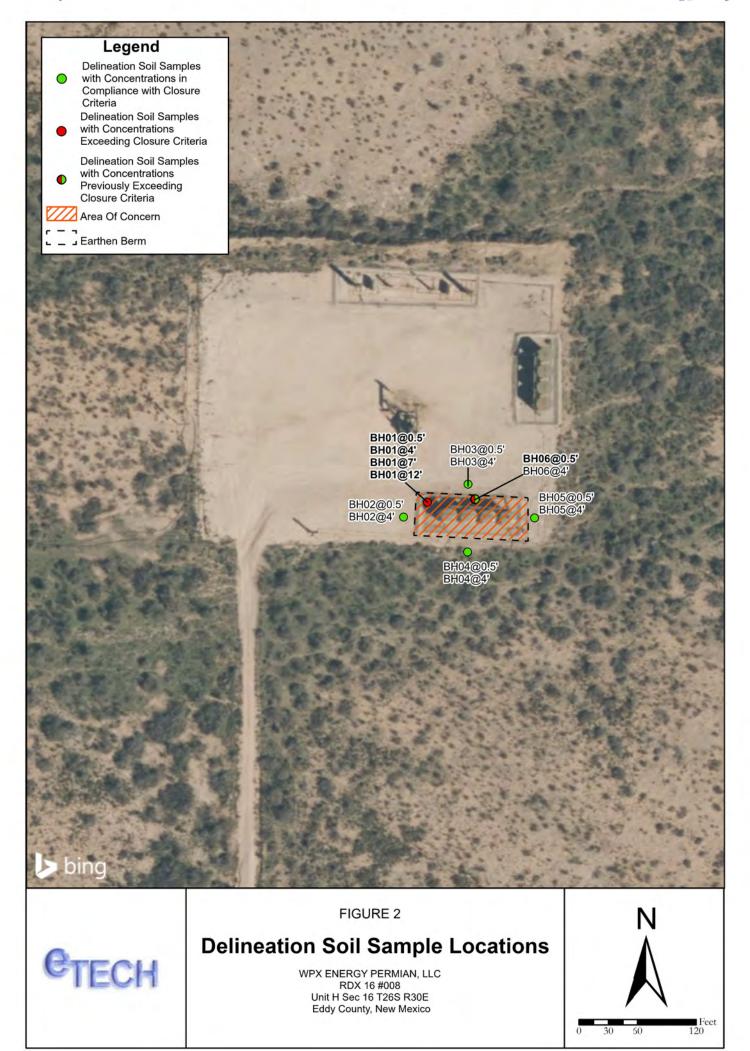
Appendix G NMOCD Correspondence

APPENDIX A

Figures







APPENDIX B

Referenced Well Records



HRL							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						M
\nearrow		c n	MPI	IAN	C F		Boring/Wel		W-1	Location: RDX 16	5-25		
		2 0	1 11 1	1 1 1	2 1		Date:			Client:			
D. 111: 14	714	0 0	L 0				1 10		0/2020	WPX Energy Drilled By:			
Drilling Mo	ethod: Air Rotar	v	Sampling I		one		Logged By: J. Linn, PG			Talon L	PE		
Gravel Pac		<i>y</i>	Gravel Pac	k Depth Inte			Seal Type: Seal Depth Interval:			Latitude:			
	0/20 san				ags			lone	None	32.0399	004		
Casing Typ PVC			Depth Inter			Boring Tota	al Depth (ft. BG		Longitude:	2260			
Screen Typ	oe:	Slot:		0-105 fe		Interval:	Well Total	1 1 Depth (ft. BGS)		-103.883. Depth to Water (ft. BTOC):	DTW Dat	te:	
PVC		0.010-ir	nch	2-inch	-	110 ft		11		> 110	12/1)20
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	NSCS	Sample ID	Litholog	Lithology/Remarks		Vell plet	
0 5 10 15 20	NM	L	D	N	N	NM	SW	NS		orange to pink tan well graded sand with silt			
25 30 35	NM	L	D	N	N	NM	SP	NS		Pale pinky orange poorly graded fine sand			
40	NM	L	D	N	N	NM	SW	NS		d well graded sand gravel	†		
50 55	NM	L	D	N	N	NM	SP	NS		poorly graded fine and			
60 65 70 75 80 85 90 95 100 105	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand with minor medium and coarse sand - TD: 110' bgs		- - - - - - - - - - - - - - - - - - -		

APPENDIX C

Lithologic Sampling Logs



1									Cample Name: PH01	Data: 05/22/2022
		6	3		3.5				Sample Name: BH01 Site Name: RDX 16 #008	Date: 05/22/2023
		(37	EC	H				Incident Number: nAPP2307	030000
				100					Job Number: 18138	930900
<u> </u>	THOL	OGIC	· / C	· OII	C A MI	DI	ING I	OG		Method: Hand Auger
	ordinates						ING L	.00	Logged By: Edyte Konan	
								Jorido Toc	Hole Diameter: 4 inches st Strips and PID for chloride a	Total Depth: 12 feet
									water. No correction factors i	
					l	\neg				
Moisture Content	Moisture Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) USCS/Roc k Symbol				Depth (feet bgs)	Lithologic Des	criptions/Notes			
						1	0	CCHE	0-1' bgs: Pad surface CALIC	HE, dry, no staining, no odor
_	4.000		NI-	חוסא	0.5	+	-		4 Ollhama CAND	المرين
Dry	4,060	0.0	INO	BH01	0.5	+			1-2' bgs: SAND, dry, brown, v	y fine to coarse grained, no
Dry	656	0.0	No		1	十	- 1	SW-SM		, into to obaroo grainou, no
						Ţ	_			
						+				rown, poorly graded with small
Dn	551	0.0	No		2	+	- 2	SP	gravel, very fine to fine	grained, no staining, no odor
Dry	331	0.0	INO		4	+	2	35		
						十	-			
						1	_			
Dry	656	0.0	No		3	1	3			
						+	-			
						+				
Dry	1,046	0.0	No	BH01	4	\dagger	4			
						1				
						1				
Dm/	1 606	0.0	Na		_	+				
Dry	1,696	0.0	No)	+	5			
						十	1			
						土				
Dry	1,208	0.0	No		6	1	6			
						+	_			
						+				
Dry	656	0.0	No	BH01	7	+	7			
	-					土				
						Ţ				
_{Dr.} ,	904	0.0	Na		8	+	8			
Dry	904	0.0	No		0	+	°			
						十	1			
						土				
Dry	972	0.0	No		9	Ţ	9			
						+	-		RH01 continued on following	nage (10! through 12!)
					<u> </u>		<u> </u>		BH01 continued on following	page (10 tillough 12)

								.			
								Sample Name: BH01	Date: 05/22/2023		
		(ŽΤ	FC	4			Site Name: RDX 16 #008			
				-6				Incident Number: nAPP2307930900			
<u> </u>								Job Number: 18138			
					<u>SAMPL</u>	ING L	<u>OG</u>	Logged By: Edyte Konan	Method: Hand Auger		
	ordinates							Hole Diameter: 4 inches	Total Depth: 12 feet		
								t Strips and PID for chloride water. No correction factors			
Ciliona	le lest pe		ı wıu	1 1.4 UII	T	01 5011 10	ı	water. No correction factors	s included.		
Moisture Content	Moisture Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Roc k Symbol					_	scriptions/Notes				
Dry	972	0.0	No		10	10		BH01 continued			
						_		2 12 has SAND day light	brown, poorly graded with small		
						-			prown, poorly graded with small ne grained, no staining, no odor		
Dry	904	0.0	No		11	- 11	SP	g , ,	g,		
					1	- -					
					+	-					
Drv	Dry 972 0.0 No BH01 12 12										
							Depth: 1	2 feet bgs			

								I	I=
								Sample Name: BH02	Date: 05/22/2023
		(ŹΤ	FC	-			Site Name: RDX 16 #008	
			1	-6				Incident Number: nAPP2307	7930900
		00:0			0.4.5=-	11.10 :		Job Number: 18138	
					SAMPL	ING L	UG	Logged By: Edyte Konan	Method: Back Hoe
	ordinates							Hole Diameter: n/a	Total Depth: 4 feet
								st Strips and PID for chloride a water. No correction factors	
Chiona	e test pe	I	ı Willi	1 1.4 UII	IUIION IACIO	or son a		T water. No correction factors	included.
Moisture Content	Content Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Roc k Symbol							criptions/Notes	
					_	0	CCHE	0-1' bgs: Pad surface CALIC	CHE, dry, no staining, no odor
Dry	Ory 0 0.0 No BH02 0.5							1-4' bgs: SAND, dry, light bro to fine grained, no stai	own, poorly graded, very fine
Dry	0	0.0	No		1 -	1	SP	to line grained, no stai	iriling, no odol
Dry	Dry 0 0.0 No 2 2 2				_ 2				
		0.0	"		-				
					_				
_						L			
Dry	0	0.0	No		3 -	3			
					_	_			
					_				
Dry	<120	0.0	No	BH02	4	4		1.6	
						lota	Depth: 4	4 feet bgs	
	`								
			\						

1								<u> </u>	
								Sample Name: BH03	Date: 05/22/2023
		(₹T	ECI	1			Site Name: RDX 16 #008	
			- 1					Incident Number: nAPP230	7930900
								Job Number: 18138	
					SAMPL	<u>.ING L</u>	<u>og</u>	Logged By: Edyte Konan	Method: Back Hoe
	ordinate							Hole Diameter: n/a	Total Depth: 4 feet
								st Strips and PID for chloride	
Chiorid	e test pe	riormed	ı Witi	1 1:4 ai	iution facto	or of soil to	o aistillea T	water. No correction factors	included.
Moisture Content	Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Roc k Symbol					_	scriptions/Notes		
						- 0	CCHE	0-1' bgs: Pad surface CALI	CHE, dry, no staining, no odor
Dry	236	0.0	No	BH03	0.5	_ -		1-4' bgs: SAND, dry, light br to fine grained, no sta	rown, poorly graded, very fine
Dry	236	0.0	No		1 1	_ 1	SP	12 9. 4 10 010	
Dry	156	0.0	No		2	- 2			
					1 1	_			
					l <u>I</u>	-			
D	450	0.0	N		,	- ,			
Dry	156	0.0	No		3	- 3			
					1	_			
					l <u>.</u> I	- - ,			
Dry	<120	0.0	No	BH03	4	4 Total	Donth: /	l 1 feet bgs	
						Tota	Depth. 2	rieet bgs	
	·								
			\						

	Sample Name: BH04 Date: 05/22/2023											
			3						Date: 05/22/2023			
		(ST.	FC	4			Site Name: RDX 16 #008	700000			
					T. B			Incident Number: nAPP230	7930900			
<u> </u>	TUOL			<u> </u>	0 4 1 4 10 1	1110 1		Job Number: 18138	Table 1 and			
					SAMPL	ING L	<u>UG</u>	Logged By: Edyte Konan	Method: Hand Auger			
	ordinate					IACH Chi	awida Taa	Hole Diameter: 4 inches	Total Depth: 4 feet			
								t Strips and PID for chloride water. No correction factors				
Official			I Will	_		01 3011 10		Water: No correction factors	, moladed.			
Moisture Content						_	scriptions/Notes					
						0	SP		brown, poorly graded, very fine			
D	226	0.0	N-	DUO4		_		to fine, no staining, no	odor			
Dry	236	0.0	INO	BH04	0.5	-						
Dry	236	0.0	No		1 1	_ _ 1						
					<u> </u>	_						
						_						
Dry	156	0.0	No		2	- 2						
						_						
						-						
Dry	Ory 156 0.0 No 3 3				- 3							
l Diy	130	0.0	INO			- 3						
]	_ -						
D	-100	0.0	NI-	DLIOA	,	_ ,						
Dry	<120	0.0	NO	BH04	4	4 Total	Depth: 4	l I feet bgs				
						10101	Борин.	ricet bys				

1	Sample Name: BH05 Date: 05/22/2023											
								Sample Name: BH05	Date: 05/22/2023			
		(ŽΤ	FC	1			Site Name: RDX 16 #008				
			-	F6	1.0			Incident Number: nAPP2307	7930900			
	-	00:0			<u> </u>			Job Number: 18138				
					SAMPL	ING L	UG	Logged By: Edyte Konan	Method: Hand Auger			
	ordinate							Hole Diameter: 4 inches	Total Depth: 4 feet			
								st Strips and PID for chloride a water. No correction factors				
Chiona	e test pe	I	ı wılı	1 1.4 UI	T Tacic	טו אוני אוני		T	included.			
Moisture Content	Content Content Chloride (ppm) Vapor (ppm) Staining Sample ID Sample Depth (feet bgs) Depth (feet bgs) USCS/Roc k Symbol						Ū	criptions/Notes				
					_	0	CCHE	0-1' bgs: Pad surface CALIC	CHE, dry, no staining, no odor			
Dry	Ory <120 0.0 No BH05 0.5							1-4' bgs: SAND, dry, light bro	own, poorly graded, very fine			
Dry	Ory 132 0.0 No 1 T 1 SP				1	SP	to fine grained, no star	irinig, no odoi				
Dry	$Ory \begin{vmatrix} 132 & 0.0 & No \end{vmatrix} $					_ 2						
,		0.0				_						
]	_						
	.400					_						
Dry	<120	0.0	No		3 -	3						
					-	_						
						- _						
Dry	<120	0.0	No	BH05	4	4		1.6				
						ıota	i Deptn: 4	4 feet bgs				
			\									

1								O I. N	D. 1. 05/00/0000	
		-	3					Sample Name: BH06	Date: 05/22/2023	
		(31	FCI	4			Site Name: RDX 16 #008	700000	
			1					Incident Number: nAPP2307	930900	
<u> </u>	TUOL	0010		1	OANDI	1110 1		Job Number: 18138	In	
					SAMPL	ING L	<u>UG</u>	Logged By: Edyte Konan	Method: Hand Auger	
	ordinate							Hole Diameter: 4 inches	Total Depth: 7 feet	
								t Strips and PID for chloride a water. No correction factors i		
Ciliona	e test pe	I	I WILL	i i. 4 uii		1 01 3011 10	I		nciadea.	
Moisture Content							criptions/Notes			
					_	- 0	CCHE	0-1' bgs: Pad surface CALIC	SHE, dry, stained, no odor	
Dry	5,592	170.1	Yes	BH06	0.5	- -		1-2' ft bgs: SAND, dry, browi	n, well graded with silt and ry fine to coarse, no staining,	
Dry	268	14.5	No		1 -	_ 1 -	SW-SM		. y ililo to obarso, no stairiing,	
Dry	200	31.3	No		2 - 2 -	- - - 2 -	SP	2-7' ft bgs: Sand, dry, light brown, poorly graded, very fi to fine, no staining, no odor		
Dry	<120	8.4	No		3 -	_ 3 _				
Dry	156	8.0	No	BH06	4 <u>-</u>	- - - -				
Dry	<120	10.5	No		5 _	- - 5 -				
Dry <120 30.1 No 6 6										
Dry	<120	32.3	No		7	- - 7				
						Total	Depth: 7	feet bgs		
			_	_						
						_				

APPENDIX D

Photographic Log





PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #008 Incident Number nAPP2307930900



Photograph 1 Date: 05/22/2023

Description: Delineation activities, southern view of BH01 advancement.



Photograph 2 Date: 05/22/2023

Description: Delineation activities, southwestern view of BH06 advancement.



PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #008 Incident Number nAPP2307930900



Photograph 3 Date: 05/22/2023

Description: Delineation activities, eastern view of BH03 advancement.



Photograph 4 Date: 05/22/2023

Description: Delineation activities, northern view of BH02 advancement.

APPENDIX E

Tables





Table 1 SOIL SAMPLE ANALYTICAL RESULTS **WPX Energy Permian, LLC RDX 16 #008 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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	100	600
				Delineation Soil S	Samples - nAPP230793	0900			
BH01	05/22/2023	0.5	<0.0250	<0.0250	<20.0	32.7	<50.0	32.7	5,290
BH01	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	1,510
BH01	05/22/2023	7	<0.0250	<0.0250	<20.0	<50.0	<50.0	<50.0	666
BH01	05/22/2023	12	<0.0250	<0.0250	<20.0	37.4	<50.0	37.4	861
BH02	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	278
BH02	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	34.1
BH03	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	161
BH03	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	21.8
BH04	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	48.9
BH04	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	49.6
BH05	05/22/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
BH05	05/22/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
BH06	05/22/2023	0.5	<0.0250	0.2664	<20.0	611	255	866	2,590
BH06	05/22/2023	4	<0.0250	<0.0250	<20.0	34.4	<50.0	34.4	91.2

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

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

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation



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 16 #008

Work Order: E305150

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305150

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH06 0.5'	5
BH06 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
BH06 0.5'	E305150-01A Soil	05/22/23 05/25/23	Glass Jar, 2 oz.
BH06 4'	E305150-02A Soil	05/22/23 05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 0.5' E305150-01

	L505150 01				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2321061
ND	0.0250	1	05/25/23	05/27/23	
0.0454	0.0250	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
0.0636	0.0250	1	05/25/23	05/27/23	
0.157	0.0500	1	05/25/23	05/27/23	
0.221	0.0250	1	05/25/23	05/27/23	
	109 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2321061
ND	20.0	1	05/25/23	05/27/23	
	90.8 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2321057
611	25.0	1	05/25/23	05/26/23	
255	50.0	1	05/25/23	05/26/23	
	124 %	50-200	05/25/23	05/26/23	
mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2321082
2590	20.0	1	05/26/23	05/27/23	
	mg/kg ND 0.0454 ND 0.0636 0.157 0.221 mg/kg ND mg/kg 611 255	Result Reporting mg/kg mg/kg ND 0.0250 0.0454 0.0250 ND 0.0250 0.0636 0.0250 0.157 0.0500 0.221 0.0250 109 % mg/kg MD 20.0 90.8 % mg/kg mg/kg mg/kg 611 25.0 255 50.0 124 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 0.0454 0.0250 1 ND 0.0250 1 0.0636 0.0250 1 0.157 0.0500 1 0.221 0.0250 1 109 % 70-130 mg/kg mg/kg Ana ND 20.0 1 90.8 % 70-130 mg/kg mg/kg Ana 611 25.0 1 255 50.0 1 124 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 05/25/23 0.0454 0.0250 1 05/25/23 ND 0.0250 1 05/25/23 0.0636 0.0250 1 05/25/23 0.157 0.0500 1 05/25/23 0.221 0.0250 1 05/25/23 mg/kg mg/kg Analyst: IY ND 20.0 1 05/25/23 mg/kg mg/kg Analyst: JL 611 25.0 1 05/25/23 255 50.0 1 05/25/23 mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/25/23 05/27/23 0.0454 0.0250 1 05/25/23 05/27/23 ND 0.0250 1 05/25/23 05/27/23 0.0636 0.0250 1 05/25/23 05/27/23 0.157 0.0500 1 05/25/23 05/27/23 0.221 0.0250 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IV ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IV ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: JL 05/25/23 05/27/23 05/26/23 255 50.0 1 05/25/23 05/26/23 05/26/23 124 % 50-200 05/25/23 05/26/23 mg/kg Mg/k



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

BH06 4'

		E305150-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2321057
Diesel Range Organics (C10-C28)	34.4	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		110 %	50-200	05/25/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2321082
Chloride	91.2	20.0	1	05/26/23	05/27/23	



QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:23:53PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321061-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.95 8.00 99.4 70-130 LCS (2321061-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.31 5.00 86.2 70-130 Benzene 0.0250 Ethylbenzene 4.50 0.0250 5.00 90.0 70-130 4.65 0.0250 5.00 93.0 70-130 Toluene 4.75 95.0 o-Xylene 0.0250 5.00 70-130 9.32 10.0 93.2 70-130 0.0500 p.m-Xvlene 93.8 70-130 14.1 15.0 Total Xylenes 0.0250 8.00 99.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 Matrix Spike (2321061-MS1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.83 0.0250 5.00 ND 96.7 54-133 Benzene ND 61-133 Ethylbenzene 5.06 0.0250 5.00 101 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.04 8.00 Matrix Spike Dup (2321061-MSD1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.44 0.0250 5.00 ND 88.8 54-133 8.51 20 ND 61-133 4.63 0.0250 5.00 92.6 8.90 20 Ethylbenzene 61-130 Toluene 4 78 0.0250 5.00 ND 95.6 8 78 20 4.89 5.00 ND 97.8 63-131 8.62 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

95.8

96.4

99.8

63-131

63-131

70-130

8.86

8.78

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.58

14.5

7.98

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	0/2023 5:23:53PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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 (2321061-BLK1)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			
LCS (2321061-BS2)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			
Matrix Spike (2321061-MS2)				Source:	E305149-	03	Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130			
Matrix Spike Dup (2321061-MSD2)				Source:	E305149-	03	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.02		8.00		75.2	70-130			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:23:53PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno					5/30/2023 5:23:53PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321057-BLK1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			
LCS (2321057-BS1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike (2321057-MS1)				Source:	E305146-0	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			
Matrix Spike Dup (2321057-MSD1)				Source:	E305146-	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:	
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		1058-0007 ilbert Moreno					5/30/2023 5:23:53PM	1
		Anions	by EPA	300.0/9056A	1				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2321082-BLK1)							Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	ND	20.0								
LCS (2321082-BS1)							Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2321082-MS1)				Source:	E305149-	01	Prepared: 0	5/26/23	Analyzed: 05/26/23	
Chloride	272	20.0	250	21.8	99.9	80-120				
Matrix Spike Dup (2321082-MSD1)				Source:	E305149-	01	Prepared: 0	5/26/23	Analyzed: 05/26/23	

250

20.0

21.8

107

80-120

6.42

20

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Per	mian LLC				Bill To				La	b Us	e On	ly				TA	AT	EPA P	rogram .
	RDX 16 #008	man aa			Attention: Jim R			Lab	WO#				Numb	er	11) 2D	3D	Standard	CWA	SDWA
	lanager: Gilbe	rt Moren	0		Address: 5315 B	uena Vista Dr.		F	30s	515	0	DIO	58-	000				5 day TAT		
4	13000 W Cou					Carlsbad, NM, 88220)					Analy	sis an	d Metho	od					RCRA
110000000000000000000000000000000000000	e, Zip_Odessa				Phone: 575-885				þ				-		T	1		1		
	32-305-6415	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Email: jim.raley				ORO										State	
Carried Control of the Control of th	evon-team@e	techeny.	com		WO: 21141253	- avincom			30/0	н	0	2.1	0.0		3			NM CC	UT AZ	TX
	by: Edyte Ko		15.331		Incident ID:			7	GRO/DRO/ORO by	802	8260	2010	300				¥			100
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	1		Lab Number	Depth(ft.)	TPH GR(8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		000	2000	GDOC		Remarks	
13:00	5/22/2023	S	1		BH06		1	0.5'								(
13:20	5/22/2023	S	1		BH06		2	4'							1	(
Addition	al Instruction	s:																		
No. of the second				of this sample. I am av		r intentionally mislabelling t	he sample loc	ation,										eceived on ice the da		led or received
Relinquish	ed by: (Signature)	Date	[24] 23 Time	Received by:	(Signature)	Date 524	23		032)	Rec	eived	on ice:	(Lab I	Jse Or N	nly		
Muce	ed by: (Signature	lorges	Date 5.	34-13 18	15 HIVE	(Signature)	Sate Date	1.23	Time	83	0	<u>T1</u>			I	2		<u>T3</u>		
HADA	bu ma	50	2	5-24:23 Time	Received by	L Man	5/25/	23	8:	00			Tem		4		1/0			
Sample Ma	rix: S - Soil, Sd - So	lid, Sg - Sludg	ge, A - Aque	ous, O - Other	_		Containe	r Type	e: g -	glass,	p - p	oly/p	lastic,	ag - am	ber	glass, v	- VOA			7.00
Note: Sam	ples are discarde	d 30 days a	fter results	s are reported unless	other arrangements ar	e made. Hazardous san	ples will be	return	ned to	client	or di	spose	of at	the clien	texp	ense.	The rep	ort for the anal	ysis of the a	pove

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.



Page 429 of 531

envirotech Inc.

Printed: 5/26/2023 1:57:24PM

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:	05/25/23	08:20		Work Order ID:	E305150
Phone:	(539) 573-4018	Date Logged In:	05/24/23	16:19		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	in the coc	Yes Yes	<i>a</i>			
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>ourier</u>		
	Il samples received within holding time?	icu anaryses.	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103			<u>Comment</u>	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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				
Sample C	, ,	temperature. 1	<u> </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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · · · · · · · · · · · · · · · · · ·	ers confected:	103				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	Preservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	N A		
		30 WIIO:	1421	Subcontract Lau	, INA		
Client Ir	<u>nstruction</u>						

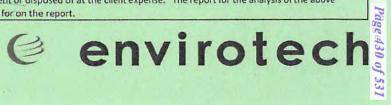
Date

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

Project Information	
---------------------	--

-	L	-	-	-	£	0	12		4	
L	n	a	ın	0	T	CL	15	to	a	у

Project In	formation							Cł	nain of C	ustody													P	age 1 of	Received b
Client: WPX Energy Permian LLC. Project: RDX 16 #008 Project Manager: Gilbert Moreno Address: 13000 W County Rd 100						Attention: Jim Raley Address: 5315 Buena Vista Dr. City, State, Zip: Carlsbad, NM, 88220				•						Numi	ber -000	57) 2D	The second second	AT Standard 5 day TAT		EPA PI	SDWA RCRA	y OCD: 8
City, State Phone: 43 Email: De Collected	e, Zip_Odessa 32-305-6415 evon-team@e by: Edyte Ko	techenv.c	55			Phor Ema WO:	ne: 575-885 il: jim.raley 21141253	-7502			(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	id Wet		NIM OF	XT 2		NM CO	State UT AZ		8/6/2024 5:09:55
Time Sampled 13:00	Date Sampled 5/22/2023	Matrix S	No. of Containers	Sample ID			BH06	**1		Lab Number	.0 Depth(ft.)		втех	VOC	Metal	Chlori			X Bennor	GDOC		2chlar	Remarks	1	55 PM
13:20	5/22/2023	S	1				BH06			2	4'		*	-					x				COC.		
																						Gulb 5/2	ont.	<u>Cm</u>	
																		1							
Addition	al Instruction	ns:								47*													F		
date or time	of collection is co	nsidered frau	ud and may b	e grounds for	legal acti							Time			Samples requiring thermal preservation must be received on ice the day they are sampled or packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only								ed or received		
Edyte	ed by: (Signature 2 Koney ed by: (Signature	0	OS Date	124123	10 ; 3 Time	0	Muller HANDER	(Signature)	1	524 521	123	Time	030	0		eivec	l on ic		Y/			T2			
HAM	ed by: (Signature	800	Date	-24.23	Time 4	600	Received by	(Signature)		5/25/	23	Time 8.	20	Distance of the			np °C_	4	2	WOA		T3			
Note: Sam	trix: S - Soil, Sd - So ples are discarde applicable only t	ed 30 days a	after results	are reporte							return	ned to	client	or dis	posed	d of at						the analys	is of the ab	oove	Pu



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 16 #008

Work Order: E305151

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305151

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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
BH04 0.5'	5
BH04 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH04 0.5'	E305151-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH04 4'	E305151-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 0.5' E305151-01

	E303131-01				
Result	Reporting Limit	Dilution	ı Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2321061
ND	0.0250	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
ND	0.0500	1	05/25/23	05/27/23	
ND	0.0250	1	05/25/23	05/27/23	
	101 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2321061
ND	20.0	1	05/25/23	05/27/23	
	90.5 %	70-130	05/25/23	05/27/23	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2321057
ND	25.0	1	05/25/23	05/26/23	
ND	50.0	1	05/25/23	05/26/23	
	108 %	50-200	05/25/23	05/26/23	
mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2321082
48.9	20.0	1	05/26/23	05/27/23	
	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 I01 % mg/kg mg/kg mg/kg ND 20.0 90.5 % mg/kg MD 25.0 ND 50.0 108 % 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 Mg/kg mg/kg Ana ND 20.0 1 90.5 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 108 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 05/25/23 ND 0.0250 1 05/25/23 ND 0.0250 1 05/25/23 ND 0.0500 1 05/25/23 ND 0.0250 1 05/25/23 ND 0.0250 1 05/25/23 mg/kg mg/kg Analyst: IV ND 20.0 1 05/25/23 mg/kg mg/kg Analyst: JL ND 25.0 1 05/25/23 ND 50.0 0 05/25/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 05/25/23 05/27/23 ND 0.0500 1 05/25/23 05/27/23 ND 0.0250 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IY ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: IY ND 20.0 1 05/25/23 05/27/23 mg/kg mg/kg Analyst: JL ND 25.0 1 05/25/23 05/26/23 ND 50.0 1 05/25/23 05/26/23 ND 50.0 1 05/25/23 05/26/23



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

BH04 4' E305151-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2321061
Benzene	ND	0.0250	1	05/25/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/25/23	05/27/23	
Toluene	ND	0.0250	1	05/25/23	05/27/23	
o-Xylene	ND	0.0250	1	05/25/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/25/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/25/23	05/27/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2321061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/25/23	05/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	05/25/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2321057
Diesel Range Organics (C10-C28)	ND	25.0	1	05/25/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/25/23	05/26/23	
Surrogate: n-Nonane		106 %	50-200	05/25/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2321082
Chloride	49.6	20.0	1	05/26/23	05/27/23	



Matrix Spike Dup (2321061-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

4.44

4.63

4 78

4.89

9.58

14.5

7.98

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:17:21PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321061-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.95 8.00 99.4 70-130 LCS (2321061-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.31 5.00 86.2 70-130 Benzene 0.0250 Ethylbenzene 4.50 0.0250 5.00 90.0 70-130 4.65 0.0250 5.00 93.0 70-130 Toluene 4.75 95.0 o-Xylene 0.0250 5.00 70-130 9.32 10.0 93.2 70-130 0.0500 p.m-Xvlene 93.8 70-130 14.1 15.0 Total Xylenes 0.0250 8.00 99.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 Matrix Spike (2321061-MS1) Source: E305149-03 Prepared: 05/25/23 Analyzed: 05/26/23 4.83 0.0250 5.00 ND 96.7 54-133 Benzene ND 61-133 Ethylbenzene 5.06 0.0250 5.00 101 Toluene 5.22 0.0250 5.00 ND 104 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.04 8.00

Source: E305149-03

88.8

92.6

95.6

97.8

95.8

96.4

99.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

8.51

8.90

8 78

8.62

8.86

8.78

ND

ND

ND

ND

ND

ND



Prepared: 05/25/23 Analyzed: 05/26/23

20

20

20

20

20

20

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5	5/30/2023 5:17:21PM	
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2321061-BLK1)							Prepared: 0	5/25/23 An	alyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130				
LCS (2321061-BS2)							Prepared: 0	5/25/23 An	alyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130				
Matrix Spike (2321061-MS2)				Source:	E305149-	03	Prepared: 0	5/25/23 An	alyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130				
Matrix Spike Dup (2321061-MSD2)				Source:	E305149-	03	Prepared: 0	5/25/23 An	alyzed: 05/26/23	
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.8	70-130	12.4	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.02		8.00		75.2	70-130				



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:17:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno					5/30/2023 5:17:21PN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO 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 (2321057-BLK1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	56.8		50.0		114	50-200				
LCS (2321057-BS1)							Prepared: 0	5/25/23 A	nalyzed: 05/25/23	
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132				
urrogate: n-Nonane	52.0		50.0		104	50-200				
Matrix Spike (2321057-MS1)				Source:	E305146-0	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132				
urrogate: n-Nonane	50.5		50.0		101	50-200				
Matrix Spike Dup (2321057-MSD1)				Source:	E305146-	01	Prepared: 0	5/25/23 A	nalyzed: 05/26/23	
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.30	20		
'urrogate: n-Nonane	52.0		50.0		104	50-200				



Matrix Spike Dup (2321082-MSD1)

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 01	DX 16 #008 1058-0007 ilbert Moreno					Reported: 5/30/2023 5:17:21PM
		Anions	s by EPA 3	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321082-BLK1)							Prepared: 0:	5/26/23 A	nalyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				Source:	E305149-	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			

250

20.0

Source: E305149-01

107

80-120

6.42

21.8

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: 05/26/23 Analyzed: 05/26/23

20

Definitions and Notes

l	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill T	o				La	b Us	se Or	nly			-		TA	Т		EPA Pi	rogram			
	RDX 16 #008				Δ	ttention: Jim Raley			Lab	WO#			_	Num	ber	1	D 2	DI	3D	Standa	rd	CWA	SDWA			
Project N	Manager: Gilbe	ert Moren	10			ddress: 5315 Buena Vis	ta Dr.		E305151		1	1		000					5 day T			92311				
Address	13000 W Cou	inty Rd 10	00			ity, State, Zip: Carlsbad,	. NM. 88220			-00	15				nd Meth		-				- 18		RCRA			
City, Sta	te, Zip Odessa	,TX, 7976	55			hone: 575-885-7502				by						T							110101			
	32-305-6415					mail: jim.raley@dvn.co	m		1	RO							- 1		- 1	-		State				
	evon-team@e	techeny.	com			VO: 21141253			1	0/0	_			0.	1		ΣN			NM	col	UT AZ	TX			
	d by: Edyte Ko						Incident ID: nAPP2307930900			/DR	.h(ft.) GRO/DRO/ORO by	/DR(/DR(802	3260	010	300		- 1			×	13	-		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II			.0500	Lab Number	Depth(ft.)	TPH GRC 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		GDOC			Remarks				
11:40	5/22/2023	S	1			BH04		1	0.5	F &			_	J			X									
12:00	5/22/2023	S	1			BH04			4'							1	х									
																+										
Addition	al Instruction	s:		1																						
	pler), attest to the very of collection is cor					at tampering with or intentional Sampled by:	ly mislabelling th	e sample loca	ation,				11.74.760							elved on ice th °C on subsequ			ed or received			
Edy	ed by: (Signature te Konan		Date	124/23	Time 10:30	Received by: (Signature)	unde	524	23	Time 10	30)	Rece	eived	on ice:	. (Lab Y)/	Use N	Onl	У						
Mill	ed by: (Signature Ull Gw	10le	Date	24-23	Time 1615	Racaived by: (Signature)	So	5.24			30)	T1			1	2			<u>T3</u>						
Relinquish	ed by: (Signature		Date	24:23	ZHOO	Received by (Signature)	nan	5/5/	23	Time	20)	AVG	Tem	p °C_	4	-									
	rix: S - Soil, Sd - Sol	id, Sg - Sludg	e, A - Aqueo	us, O - Other				Container	Туре	_						ber	glass	, v - V	/OA							
Note: Sam	ples are discarde	d 30 days a	fter results	are reporte	d unless other	arrangements are made. H	lazardous samp	les will be r	eturn	ed to	lient o	or dis	posed	of at						rt for the a	nalysi	s of the abo	ove			
samples is	applicable only to	o those sam	ples receiv	ed by the la	boratory with	this COC. The liability of the	laboratory is lin	nited to the	amo	unt pa	id for	on th	e rep	ort.												

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

See All See All

Printed: 5/26/2023 1:58:43PM

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:	05/25/23	08:20	Work Order ID:	E305151
Phone:	(539) 573-4018	Date Logged In:	05/24/23	16:20	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain a	Custody (COC)					
			37			
	he sample ID match the COC? he number of samples per sampling site location mate	ch the COC	Yes			
	samples dropped off by client or carrier?	on the coc	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	ica anaryses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comment	s/Resolution
	<u> Turn 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	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>C</u>			
Sample	Container_					
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	bel					
•	field sample labels filled out with the minimum info	rmation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	-4-1-9	NA			
	o filteration required and/or requested for dissolved m	etais?	No			
	ase Sample Matrix	_				
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</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 16 #008

Work Order: E305152

Job Number: 01058-007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305152

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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
BH05 0.5'	5
BH05 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	Project Name: RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH05 0.5'	E305152-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH05 4'	E305152-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 0.5' E305152-01

	E303132-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	•	<u> </u>	Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	96.0 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	89.6 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	93.6 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321082
ND	20.0	1	05/26/23	05/27/23	
	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 mg/kg mg/kg MB/kg mg/kg MB/kg mg/kg ND 20.0 89.6 % mg/kg ND 25.0 ND 50.0 93.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Anal ND 20.0 1 89.6 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 93.6 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 Mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 MD 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

BH05 4'

E305152-02

		Danastin a				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		95.5 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2321082



o-Xylene

p,m-Xylene

Total Xylenes

QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:18:51PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321067-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.69 8.00 96.2 70-130 LCS (2321067-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.84 5.00 96.7 70-130 0.0250 Benzene Ethylbenzene 5.09 0.0250 5.00 102 70-130 70-130 5.17 0.0250 5.00 103 Toluene 104 70-130 o-Xylene 5.21 0.0250 5.00 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 104 70-130 15.6 0.0250 15.0 Total Xylenes 8.00 97.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.80 Source: E305152-02 Matrix Spike (2321067-MS1) Prepared: 05/25/23 Analyzed: 05/26/23 Benzene 4.52 0.0250 5.00 ND 54-133 ND 95.5 61-133 Ethylbenzene 4.77 0.0250 5.00 Toluene 4.84 0.0250 5.00 ND 96.7 61-130

Total Tylenes		0.0230			, , , ,			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130		
Matrix Spike Dup (2321067-MSD1)				Source:	E305152-0	02	Prepared: 05	5/25/23 Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130		

5.00

10.0

15.0

0.0250

0.0500

0.0250

ND

ND

ND

98.1

97.0

97.3

63-131

63-131

63-131

4.90

9.70

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/	/30/2023 5:18:51PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Ana	alyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Ana	llyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ana	llyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Ana	llyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	

8.00

7.13

89.1

70-130



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:18:51PM

Carisbad NM, 88220		Project Manager	r: Gi	ibert Moreno					5/30/2023 5:18:51PF
	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0)1	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			



WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DX 16 #008 1058-007 ilbert Moreno					Reported: 5/30/2023 5:18:51PM
		Anions	by EPA	300.0/9056A					Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321082-BLK1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321082-BS1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2321082-MS1)				Source: 1	E305149-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	272	20.0	250	21.8	99.9	80-120			
Matrix Spike Dup (2321082-MSD1)				Source: 1	E305149-	01	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	290	20.0	250	21.8	107	80-120	6.42	20	

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill To				L	ab U	se Or	ılv				_	TA	AT .	EPA P	rogram
	RDX 16 #008				At	tention: Jim Raley		Lab	WO				Numl	oer		1D	2D	3D	Standard	CWA	SDWA
Project N	/lanager: Gilbe	ert Moren	0			dress: 5315 Buena Vista Dr.		F	305	515	2			000					5 day TAT		
Address:	13000 W Cou	nty Rd 10	00		Cit	y, State, Zip: Carlsbad, NM, 882	20	- Inn		100				d Meth							RCRA
	te, Zip_Odessa					one: 575-885-7502			by						T						Heim
	32-305-6415					nail: jim.raley@dvn.com			SRO BRO											State	
·	evon-team@e	techenv.	com			O: 21141253		1	0/0	-			0.			NZ			NM CC		TX
And the second second	d by: Edyte Ko		1000			cident ID:		~		8021	260	010	300					×	TVIVI CC	OI AL	11/
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		addition.	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	ρ	VOC by 8260	Metals 6010	Chloride 300.0			верос		СБОС		Remarks	
12:20	5/22/2023	5	1			BH05	Number	0.5	1 00	8	>	2	U			X		9			
12:40	5/22/2023					BH05	1							-							
12.40	3/22/2023	S	1			B1103	2	4'								X					
																		T			
														-	1						
														-	-						
1 = 7																					
				-											+	-		-			
Addition	nal Instruction	is:																			
100	pler), attest to the					tampering with or intentionally mislabellin Sampled by:	g the sample loc	ation,											elved on ice the day °C on subsequent o	William Control of	ed or received
	ed by: (Signature		Date		Time	Received by: (Signature)	Date		Time		_					la	hlle	e Onl	V		
Edeste	2 honan			124123	10330	Muchalle Church	5-240	13	10	30		Rece	eived	on ice	:) N	e Oili	Y		
MU	ned by: (Signature	4 oll	Date	24:17	1815	Received by: (Signature)	5.24	123	Time	330		T1				T2			T3		
Relinquish	ned by: (Signature		Date	24.23	Time	Received by: (Signature)	Date	23	Time	20		AVG	Tem	n °C	4						
-	trix: S - Soil, Sd - So	-	e A - Agua	ous O - Other	10.00	The state of the s	Containe				n . n	_			hor	alac	c 1,	VOA			
					d unless other a	arrangements are made. Hazardous sa													et for the an-li	nic of the at-	0110
samples is	applicable only t	to those san	ples rece	ved by the la	boratory with t	his COC. The liability of the laboratory i	s limited to the	e amo	unt pa	id for	on th	e repo	ort.	ne chen	it ex	pense	e. (II)	erepo	it for the analy	sis of the ab	ove

envirotech

Page 456 of 531

Printed: 5/26/2023 1:59:59PM

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:	05/25/23	08:20	Work Order ID:	E305152
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:27	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain a	f Custody (COC)					
			37			
	the sample ID match the COC? The number of samples per sampling site location match.	ch the COC	Yes			
	samples dropped off by client or carrier?	en die eee	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	ica analyses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comment	s/Resolution
	<u> Turn 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	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			
	he 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>			
Sample	Container_					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	•	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	bel					
•	field sample labels filled out with the minimum info	rmation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved m	etais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: NA		
Client I	nstruction					

Date

							-	177						-		_					
	PX Energy Per	rmian LLC			100	Bill To		6.00				se On	THE RESERVE OF THE PERSON NAMED IN					AT		EPA P	rogram
	RDX 16 #008					Attention: Jim Raley		Lab	WO#				Numb			2D	3D		andard	CWA	SDWA
	/lanager: Gilbe				100	Address: 5315 Buena Vista Dr.		ES	305	152	_	DC	228-	1000				5	day TAT		
	13000 W Cou					City, State, Zip: Carlsbad, NM, 88220								nd Metho					STORY OF		RCRA
	e, Zip_Odessa	,TX, 7976	5			Phone: 575-885-7502			yd (
	32-305-6415					Email: jim.raley@dvn.com			ORC		1 1									State	
	evon-team@e		com		6.018	WO: 21141253			RO/	77	0	0	0.0		ΣZ		×	1	NM CO	UT AZ	TX
Collected	d by: Edyte Koi	nan				Incident ID: NAPP23073090	20	F	0/0	80	826	601	e 30				X	L V			
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		BGDOC		GDOC			Remarks	
12:20	5/22/2023	S	1			BH05		0.5'							X				Added	1 (1	ient
12:40	5/22/2023	S	1	•		ВН05	2	4'							X		2		# to		
																			Gilbe		1
																			5/26	1	m
							1														N. C.
Addition	nal Instruction	is:										1				*					
	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: 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.										ed or received										
Edeste	ed by: (Signature 2 honon		Date 0 S		e 330	Received by: (Signature)	S242	13	Time 10	30		Rec	eived	on ice:		ab Us	se On	ly			
Relinquishe	ed by: (Signature	woll	Date	Time	1815 Received by: (Signature) Date 1930 T1 T2 T3																
Relinquishe	ed by: (Signature	an Jo	Date	24.23 Time	16	co (ath Man	Dato	23	Time 8:	20			a Tem	p°C (7	Wing.					
						10000	Container	Туре	: g - g	lass, r	p - pc	oly/pl	lastic,	ag - ambe	er gla	SS, V -	VOA	The state of the s		The second	
Note: Sam	Sample Matrix: S - Soil, Sg - Soil, 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 above									lient c	or dis	posed	the client e	expens	se. Th	s of the abo					

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.



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

Page 457 of 531

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 16 #008

Work Order: E305153

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305153

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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

Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Donosta do
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 0.5'	E305153-01A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH03 4'	E305153-02A	Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 0.5' E305153-01

	E303133-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mø/kø	mo/ko	Anal	•		Batch: 2321067
		1	05/26/23	05/26/23	Butchi 2321007
		1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	94.7 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	89.4 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	lyst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	91.7 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2321083
161	40.0	2	05/26/23	05/26/23	
	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 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 89.4 % mg/kg ND 25.0 ND 50.0 91.7 % mg/kg mg/kg mg/kg	Reporting 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 mg/kg mg/kg Anal ND 20.0 1 89.4 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 91.7 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 05/26/23 Mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 Mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 05/26/23 Mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

BH03 4'

E305153-02

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		91.9 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2321083
Chloride	21.8	20.0	1	05/26/23	05/26/23	



RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:20:20PM **Volatile Organics by EPA 8021B** Analyst: SL Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321067-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.69 8.00 96.2 70-130 LCS (2321067-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.84 5.00 96.7 70-130 0.0250 Benzene Ethylbenzene 5.09 0.0250 5.00 102 70-130 5.17 70-130 Toluene 0.0250 5.00 103 5.21 104 70-130 o-Xylene 0.0250 5.00 10.3 0.0500 10.0 103 70-130 p,m-Xylene 15.0 104 70-130 15.6 0.0250 Total Xylenes 8.00 97.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.80

Matrix Spike (2321067-MS1)				: E305152-	02	Prepared: 05/25/23 Analyzed: 05/26/23	
Benzene	4.52	0.0250	5.00	ND	90.5	54-133	
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133	
Toluene	4.84	0.0250	5.00	ND	96.7	61-130	
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130	

Matrix Spike Dup (2321067-MSD1)				Source:	E305152-	02	Prepared: 05	5/25/23 Analyzed: 05/26/23	,
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
p,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	63-131	9.66	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	0/2023 5:20:20PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0:	5/25/23 Anal	yzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:20:20PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					5/30/2023 5:20:20PN
	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 (2321081-BLK1)							Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
Gurrogate: n-Nonane	43.8		50.0		87.5	50-200			

WPX Energy - Carlsbad		Project Name:		OX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager	: Gi	ilbert Moreno					5/30/2023 5:20:20PM
		Anions	by EPA 3	00.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
1	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:20

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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: WP	X Energy Per	rmian LLC				Bill To			Lab Use Only					TAT			EPA P	EPA Program		
Project: RI	DX 16 #008				At	tention: Jim Raley		Lab	WO#			Job	Number	r	1D	2D	3D	Standard	CWA	SDWA
Project Ma	anager: Gilbe	ert Moren	0			ddress: 5315 Buena Vista Dr.		E305153 NOST		580	TOOK				5 day TAT					
Address: 1	3000 W Cou	nty Rd 10	00		Ci	ty, State, Zip: Carlsbad, NM, 8	8220			27.32			ysis and I		1					RCRA
City, State	, Zip_Odessa	,TX, 7976	5		Pł	none: 575-885-7502			by											
Phone: 43	2-305-6415				Er	mail: jim.raley@dvn.com			ORO										State	
Email: Dev	on-team@e	techenv.o	com		WO: 21141253				NM CO	UT AZ	TX									
Collected	by: Edyte Ko	nan				cident ID: nAPP2307930900		7	J/D	802	8260	010	300				¥			
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		BGDOC		GDOC		Remarks	
11:00	5/22/2023	S	1			вн03	1	0.5'							Х					
11:20	5/22/2023	S	1			BH03	2	4'							х					
		\\														-				10-2
Additiona	l Instruction	s:													B					
	er), attest to the v of collection is cor					t tampering with or intentionally mislab Sampled by:	elling the sample lo	cation,				1						ceived on ice the da 6 °C on subsequent		led or received
Edyte	by: (Signature Konan			124123	Time 10:30	Received by: (Signature) McClll (Gignature)	Date 5-24		_	30	>	Rec	eived or	n ice:	CY	ab U	se On	ily		
Muce.	d by: (Signature	unde	-	/	1815	Reveived by: (Signature)	5.2	423	16	130	2	<u>T1</u>			T2			<u></u>		
Relinquished	by: (Signature	50	Date	5-41-23	7400	Received by: (Signature)	- 5/26	123	Time	20			G Temp '							
	x: S - Soil, Sd - Sol			A DEL POR DESIGNATION OF THE PERSON OF THE P			Containe	r Type	e: g -											
and the same of th		and the second				arrangements are made. Hazardou this COC. The liability of the laborate								client e	expen	se. T	he repo	ort for the anal	sis of the al	oove

envirotech

Page 470 of 531

Printed: 5/26/2023 2:01:02PM

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:	05/25/23	08:20	Work Order ID:	E305153
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:29	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:		17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>irier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Commen</u>	uts/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		<u> </u>	<u>~</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			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners conceteu:	103			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	reservation_					
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does 1	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborato	m19	No			
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab: N	ΙΛ	
		i so who:	1421	Subcolliact Lab. N	NA.	
Client In	<u>struction</u>					

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 16 #008

Work Order: E305154

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305154

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

T 1 1 1 D

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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

Sample Summary

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH02 0.5'	E305154-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.
BH02 4'	E305154-02A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 0.5' E305154-01

oared Analyzed	Notes Batch: 2321067
	Batch: 2321067
	Datell. 2321007
26/23 05/26/23	
26/23 05/26/23	
26/23 05/26/23	
26/23 05/26/23	
26/23 05/26/23	
26/23 05/26/23	
26/23 05/26/23	
	Batch: 2321067
26/23 05/26/23	
26/23 05/26/23	
	Batch: 2321081
05/26/23	
26/23 05/26/23	
26/23 05/26/23	
	Batch: 2321083
26/23 05/26/23	·
	6/23 05/26/23 6/23 05/26/23 6/23 05/26/23 6/23 05/26/23 6/23 05/26/23 6/23 05/26/23 6/23 05/26/23 6/23 05/26/23



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

BH02 4' E305154-02

		200010:02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/26/23	
Surrogate: n-Nonane		93.1 %	50-200	05/26/23	05/26/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2321083
Chloride	34.1	20.0	1	05/26/23	05/26/23	



ND

ND

8.83

13.3

7.74

0.0250

0.0250

Blank (2321067-BLK1)

Ethylbenzene

p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Prepared: 05/25/23 Analyzed: 05/26/23

20

20

9.41

9.66

OC Summary Data

		~ ~		J - 111					
WPX Energy - Carlsbad	e. ,			Reported:					
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		01058-0007 Gilbert Moreno			5/30/2023 5:25:21PM		
		Analyst: SL							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Euryroenzene		0.0230							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source:	E305152-	02	Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source:	E305152-	02	Prepared: 0	5/25/23 Analy	zed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	

10.0

15.0

8.00

0.0500

0.0250

88.3

88.4

96.8

ND

ND

63-131

63-131

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:25:21PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	0/2023 5:25:21PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-0	02	Prepared: 0	5/25/23 Anal	yzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-0	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

QC Summary Data

WPX Energy - Carlsbad Project Name: RDX 16 #008 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:25:21PM

Carisbad NWI, 88220		Project Manager	i. Gi	ibert Moreno					5/30/2023 5.23.21FF
	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
CS (2321081-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
iesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
1atrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
iesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
iesel Range Organics (C10-C28)	205	25.0	250	37.4	108	38-132	1.63	20	
reser runge organies (010 020)	307	25.0	230	37.4	108	38-132	1.03	20	

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		OX 16 #008 058-0007					Reported:
Carlsbad NM, 88220		Project Manager	r: G	ilbert Moreno					5/30/2023 5:25:21PM
		Anions	by EPA 3	00.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-	01	Prepared: 0	5/26/23 A	analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23

250

40.0

161

105

80-120

1.25

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 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC				Bill To				-	La	b Us	e On	ly					TA	\T	EPA I	rogram
	RDX 16 #008				Att	tention: Jim Raley			Lab	WO#			22.00	Num	ber		1D	2D	3D	Standard		SDWA
Project N	Aanager: Gilbe	ert Moren	10			Address: 5315 Buena Vista Dr.			F3	305	15	4	00	5X-	000					5 day TAT		
Address:	13000 W Cou	inty Rd 10	00		Cit	y, State, Zip: Carlsbad, NM,	88220								nd Meth					D _A		RCRA
City, Stat	e, Zip_Odessa	,TX, 7976	55		Ph	one: 575-885-7502				by		-			-							
hone: 4	32-305-6415				Em	nail: jim.raley@dvn.com				ORO											State	
mail: D	evon-team@e	techenv.	com			O: 21141253				30/0	н	0		0.0			ΣN			NM C	O UT AZ	TX
Collected	d by: Edyte Ko	nan				ident ID: nAPP2307930900)		<u> </u>	1Q/C	802	826	5010	300					¥			
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			BGDOC		GDOC		Remark	s
10:20	5/22/2023	S	1			BH02		1	0.5								х					
10:40	5/22/2023	S	1			вно2		2	4'								х					
Addition	nal Instruction																					
M. Hall			uthenticity	of this sample.	I am aware that	tampering with or intentionally misla	abelling the	e sample loc	ation,		_		Sample	es requi	ring therm	al pre	servati	on mu	st be rec	eived on ice the d	ay they are sam	oled or received
date or time	of collection is co	nsidered frau	d and may b	e grounds for	legal action.	Sampled by:							packet	I in ice a	it an avg te	emp al	bove 0	but les	s than 6	°C on subsequen	days.	
Edest	ed by: (Signature e Konan		Date 05	124123	Time 10:30	Received by: (Signature)	Oly	524.	23	Time	130		Rece	eived	on ice	:	La		e On	ly		
Mich	ed by: (Signature	, le	Date	24-23	1815	Retrained by: (Signature)	0	\$ 7	42	Time	30		T1				Γ2			T3		
Relinquish	ed by: (Signature	150	Date	14.73	2400	Regeived by: (cignature)	is-	Date 5/25/2	23	Time	20		AVG	Tem	ip °C_	4						
	trix: S - Soil, Sd - So		e, A - Aqueo	ous, O - Other	,			Container		: g - g	lass,	p - p				ber	glass	s, v -	VOA			
Note: Sam	ples are discarde	d 30 days a	fter results	are reported	unless other a	arrangements are made. Hazard														ort for the ana	ysis of the a	bove
samples is	applicable only t	o those san	nples recei	ved by the la	poratory with t	his COC. The liability of the labora	atory is lin	nited to the	e amo	unt pa	id for	on th	е гер	ort.								

envirotech envirotech

envirotech Inc.

Printed: 5/26/2023 2:01:43PM

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:	05/25/23	08:20	Work Order ID:	E305154
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:30	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain a	f Custody (COC)					
			37			
	the sample ID match the COC? The number of samples per sampling site location man	tch the COC	Yes			
	samples dropped off by client or carrier?	ion inc coc	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	sted undry ses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comment	s/Resolution
	<u> Turn 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	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			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
	e field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborato	ry?	No			
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
Client I	nstruction					
<u>eneme i</u>	non action					

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 16 #008

Work Order: E305155

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/30/23

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

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

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

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

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

Date Reported: 5/30/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305155

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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

Rayny Hagan

West Texas Midland/Odessa Area

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 12'	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 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

Client Sample ID	Lab Sample ID Mat	trix Sa	mpled F	Received C	ontainer
BH01 12'	E305155-01A So	oil 0:	5/22/23 0	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

BH01 12' E305155-01

	E303133-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	94.6 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	91.2 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
37.4	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	87.8 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321083
861	20.0	1	05/26/23	05/26/23	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 37.4 ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 94.6 % mg/kg mg/kg mg/kg ND 20.0 91.2 % mg/kg mg/kg mg/kg ND 50.0 87.8 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 91.2 % 70-130 mg/kg mg/kg Anal 37.4 25.0 1 ND 50.0 1 87.8 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM 37.4 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 87.8 % 50-200 05/26/23 mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 Mg/kg mg/kg Analyst: SL ND 05/26/23 Mg/kg mg/kg Analyst: SL ND 05/26/23 Mg/kg mg/kg Analyst: KM Analyst: KM 37.4 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 Mg/kg Mg/kg Analyst: RAS



Matrix Spike Dup (2321067-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

4.10

4.34

4 39

4.43

8.83

13.3

7.74

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

QC Summary Data

RDX 16 #008 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/30/2023 5:15:06PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2321067-BLK1) Prepared: 05/25/23 Analyzed: 05/26/23 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 7.69 8.00 96.2 70-130 LCS (2321067-BS1) Prepared: 05/25/23 Analyzed: 05/26/23 4.84 5.00 96.7 70-130 Benzene 0.0250 Ethylbenzene 5.09 0.0250 5.00 102 70-130 5.17 0.0250 5.00 103 70-130 Toluene o-Xylene 5.21 0.0250 5.00 104 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 104 70-130 15.6 15.0 Total Xylenes 0.0250 8.00 97.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.80 Matrix Spike (2321067-MS1) Source: E305152-02 Prepared: 05/25/23 Analyzed: 05/26/23 4.52 0.0250 5.00 ND 54-133 Benzene ND 95.5 61-133 Ethylbenzene 4.77 0.0250 5.00 Toluene 4.84 0.0250 5.00 ND 96.7 61-130 4.90 ND 98.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.70 0.0500 10.0 ND 97.0 63-131 14.6 0.0250 15.0 ND 63-131 Total Xylenes 7.77 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.00

Source: E305152-02

81.9

86.7

87.9

88.6

88.3

88.4

96.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

9.94

9.63

9 60

10.1

9.41

9.66

ND

ND

ND

ND

ND

ND



Prepared: 05/25/23 Analyzed: 05/26/23

20

20

20

20

20

20

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/30/2023 5:15:06PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	30/2023 5:15:06PM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Anal	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	lyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	lyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	

8.00

7.13

89.1

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name: RD2	X 16 #008	Reported:
5315 Buena Vista Dr	Project Number: 010:	58-0007	·
Carlsbad NM, 88220	Project Manager: Gilb	ert Moreno	5/30/2023 5:15:06PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					5/30/2023 5:15:06PN
	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
'urrogate: n-Nonane	43.8		50.0		87.5	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #008					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		058-0007 ilbert Moreno					5/30/2023 5:15:06PM
		Anions	by EPA 3	00.0/9056	A				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/30/23 17:15

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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 Energy Pe	rmian LLC					Bill To				La	ab Us	se Or	nly				TA	AT		EPA P	rogram
Project: I	RDX 16 #008				At	tention: Jim Ra	alev		Lab	WO#			V 2-0-1 4 420	Num	oer	1D	2D			ndard	CWA	SDW/
Project N	lanager: Gilbe	ert Moren	0			dress: 5315 Bu			F	WO#	515	5			0007	-	-	1		y TAT		30117
	13000 W Cou				Cit	ty, State, Zip: C	arlsbad, NM, 8822	0							d Meth					,		RCRA
ALL CONTRACTOR OF THE PARTY OF	e, Zip Odessa	A TO STATE OF THE	121			ione: 575-885-	TO THE PARTY OF LAND COMPANY OF THE PARTY OF			by		-	1									Retur
	32-305-6415				En	nail: jim.raley@	Odvn.com			ORO									-		State	
	evon-team@e	techenv.	com			O: 21141253	- GVIIICOIII		1	0/0	-	3.1		o.		ΣN	4		N	MI CO	UT AZ	TX
	by: Edyte Ko					cident ID: nAPF	2307930900		-	/DR	802	1260	010	300			- 1	×	<u> </u>	101	OT AL	11/
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			200,00000	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
10:00	5/22/2023	S	1			BH01		1	12'	F 8	ш	_		U		X		0				
																t	+					
Addition	al Instruction	is:															1					
	pler), attest to the of collection is co						ntentionally mislabelling t pled by:	he sample loca	ation,											ce the day the sequent day	hey are sample ys.	ed or received
Edyle	ed by: (Signature Kohan		Date 0.5	124123	Time 10330	Received by: (S	1 Course	5-24°	23	Time	30)	Rece	eived	on ice:		ab U	se On	ly			
Relinquish Mu Cl	ed by: (Signature	USLI	5	2423	Time	Raceive orby: (S		5.24	123	Time	30		T1			T2				3		
Relinquish	ed by: (Signature	So	Dat	24.23	2400	Regived by (S	Man Man	5/25/25/	23	Time	:20)	AVG	Tem	p °C	4						
Sample Ma	rix: S - Soil, Sd - So	lid, Sg - Sludg						Container														
Note: Sam	ples are discarde	d 30 days a	fter result	s are reporte	d unless other a	arrangements are	made. Hazardous sam	ples will be re	eturne	ed to d	client	or dis	posed	of at t					ort for th	e analysi	s of the abo	ove
amples is	applicable only t	to those san	nples rece	ved by the la	boratory with t	his COC. The liabil	ity of the laboratory is I	imited to the	amou	unt pa	id for	on th	e repo	ort.								

envirotech

Printed: 5/26/2023 2:02:26PM

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.

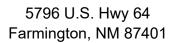
Client:	WPX Energy - Carlsbad	Date Received:	05/25/23	08:20	Work Order ID:	E305155
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:31	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does tl	ne sample ID match the COC?		Yes			
2. Does tl	ne number of samples per sampling site location ma	tch 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	sted 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 disucss		Yes		<u>Comment</u>	s/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	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			
	custody/security seals present?		No			
	were custody/security seals intact?					
•	,	:- (0)200	NA			
	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 visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample (Container Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	:?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal						
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
D	ate/Time Collected?		Yes			
	ollectors name?		Yes			
_	<u>Preservation</u>					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved i	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	orv?	No			
	subcontract laboratory specified by the client and	-	NA	Subcontract Lab: NA		
Chent II	nstruction_					

Date

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

Report to:
Gilbert Moreno





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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E305156

Job Number: 01058-0007

Received: 5/25/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/2/23

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

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

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

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

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

Date Reported: 6/2/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305156

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

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 7'	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 16 #008	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
BH01 7'	E305156-01A Soil	05/22/23	05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

BH01 7' E305156-01

	E303130-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	95.5 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	90.1 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
ND	25.0	1	05/26/23	05/26/23	
ND	50.0	1	05/26/23	05/26/23	
	87.4 %	50-200	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321083
666	20.0	1	05/26/23	05/26/23	
	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 MD 0.0250 MD 20.0250 MD 20.0 90.1 % mg/kg MD 25.0 ND 50.0 87.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 MD 20.0250 1 MB/kg mg/kg Anal ND 20.0 1 MB/kg mg/kg Anal ND 25.0 1 ND 50.0 1 87.4 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 05/26/23 Mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 Mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM ND 25.0 1 05/26/23 05/26/23 ND 25.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23 05/26/23 ND 50.0 1 05/26/23



QC Summary Data

		QC Si	umma	ii y Data	1				
WPX Energy - Carlsbad		Project Name:	RI	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					6/2/2023 12:28:33PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
thylbenzene	5.09	0.0250	5.00		102	70-130			
oluene	5.17	0.0250	5.00		103	70-130			
-Xylene	5.21	0.0250	5.00		104	70-130			
,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source:	E305152-	02	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
thylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
oluene	4.84	0.0250	5.00	ND	96.7	61-130			
-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source:	E305152-	02	Prepared: 0	5/25/23 A	nalyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	
o,m-Xylene	8.83	0.0500	10.0	ND	88.3	63-131	9.41	20	
Total Villamas	122	0.0250	15.0	ND	99.4	62 121	0.66	20	



13.3

7.74

0.0250

15.0

8.00

ND

88.4

96.8

63-131

70-130

9.66

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

QC Summary Data

WPX Energy - Carlsbad Project Name: RDX 16 #008 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 6/2/2023 12:28:33PM

	Non	Nonhalogenated Organics by EPA 8015D - GRO							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0	5/25/23 Anal	yzed: 05/26/23

Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130	
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 05/25/23 Analyzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130	

50.0

20.0

96.2

70-130

48.1

Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0:	5/25/23 A	nalyzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/2/2023 12:28:33PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno				-	6/2/2023 12:28:33PN
	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 (2321081-BLK1)							Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
LCS (2321081-BS1)							Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-	01	Prepared: 0	5/26/23 An	alyzed: 05/26/23
Diesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			



QC Summary Data

WPX Energy - Carlsbad		Project Name:	RI	OX 16 #008	·	·	·		Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno					6/2/2023 12:28:33PM
		Anions	by EPA 3	00.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared: 0	5/26/23	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared: 0	5/26/23 A	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/02/23 12:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



lient: W	PX Energy Per	rmian LLC				Bill To				La	b Us	e On	ly			TA	AT	EPA P	rogram
	RDX 16 #008				Atte	ention: Jim Raley		Lab	WO#					1D	2D	3D		CWA	SDWA
roject N	lanager: Gilbe	ert Moren	10		Add	lress: 5315 Buena Vista Dr.		E305156		00	158-0007				5 day TAT		1000		
Address:	13000 W Cou	nty Rd 10	00		City	, State, Zip: Carlsbad, NM, 882	20	-				Analy	sis and Metho	d					RCRA
City, Stat	e, Zip Odessa	TX, 7976	55		Pho	ne: 575-885-7502			by										1.03.00
hone: 4	32-305-6415				Ema	ail: jim.raley@dvn.com		1	ORO RO									State	
Email: De	von-team@e	techenv.	com			: 21141253		30/0		_		0	ΣN			NMI CO	UT AZ	TX	
Collected	by: Edyte Ko	nan				dent ID: nAPP2307930900		-	J/DF	802	3260	010	300	11.0		¥			
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	BGDOC		GDOC		Remarks	
9:40	5/22/2023	S	1			BH01	1	7'	w					X		Ŭ			
														-					
														-					
											-								
Addition	al Instruction	s:																	
				of this sample. I am a		ampering with or intentionally mislabellin Sampled by:	g the sample loc	ation,				1000	es requiring thermal p				and the second second second second		ed or receive
Edyle	ed by: (Signature			124/23 108	30	Received by: (Signature) Midulli Cayyou	5-24-	23	Time //	030		Rece	eived on ice:		ab U	se On	ly		
Muc	ed by: (Signature	woll		-2425 1	815	Received by: (Signature)	524	1.23	18	30)	T1		<u>T2</u>			<u></u>		
Relinquish	ed by: (Signature	50	Date	· W.3 2	loo	Received by: (Signature)	5/25/	23		20			Temp°C_4						
A CONSTRUCTION OF THE SECOND	rix: S - Soil, Sd - Sol												astic, ag - ambe				L		
ote: Sam	ples are discarde	d 30 days a	fter results	are reported unle		rangements are made. Hazardous sa	mples will be	return	ed to	client o	or dis	posed	of at the client e				ort for the analys	is of the ab	ove

Page 507 of 531

envirotech Inc.

Printed: 5/26/2023 2:03:10PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

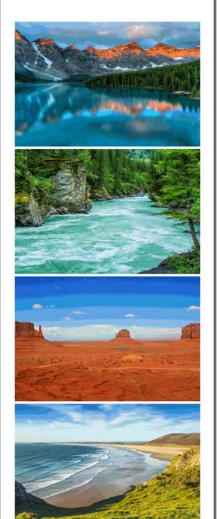
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	05/25/23	08:20	Work Order ID:	E305156
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:32	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)		
CI ·	1G + 1 (G0G)					
	f Custody (COC)		37			
	he sample ID match the COC? he number of samples per sampling site location mate	h the COC	Yes			
	samples dropped off by client or carrier?	in the coc	Yes Yes	Ci Ci		
	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	ea analyses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio				Comment	s/Resolution
	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he 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 visible ice, record the temperature. Actual sample	received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	iqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contain-	ers collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation the COC or field labels indicate the samples were pro	namiad?	No			
		sserveu?				
	ample(s) correctly preserved? of filteration required and/or requested for dissolved m	atale?	NA No			
		cuis.	110			
	ase Sample Matrix	. 0				
	the sample have more than one phase, i.e., multiphas		No			
27. II yes	s, does the COC specify which phase(s) is to be analyst	zea?	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if		No 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 16 #008

Work Order: E305157

Job Number: 01058-0007

Received: 5/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/31/23

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

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

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

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

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

Date Reported: 5/31/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E305157

Date Received: 5/25/2023 8:20:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/25/2023 8:20:00AM, under the Project Name: RDX 16 #008.

The analytical test results summarized in this report with the Project Name: RDX 16 #008 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

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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

Rayny Hagan

West Texas Midland/Odessa Area

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 4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
BH01 0.5'	E305157-01A Soil	05/22/23 05/25/23	Glass Jar, 2 oz.
BH01 4'	E305157-02A Soil	05/22/23 05/25/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 0.5' E305157-01

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2321067
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
ND	0.0500	1	05/26/23	05/26/23	
ND	0.0250	1	05/26/23	05/26/23	
	96.0 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2321067
ND	20.0	1	05/26/23	05/26/23	
	88.8 %	70-130	05/26/23	05/26/23	
mg/kg	mg/kg	Anal	lyst: KM		Batch: 2321081
32.7	25.0	1	05/26/23	05/27/23	
ND	50.0	1	05/26/23	05/27/23	
	81.2 %	50-200	05/26/23	05/27/23	
mg/kg	mg/kg	Anal	lyst: BA		Batch: 2321083
5290	40.0	2	05/26/23	05/30/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 32.7 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 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal 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 0.0250 1 Mg/kg mg/kg Anal ND 20.0 1 88.8 % 70-130 mg/kg mg/kg Anal 32.7 25.0 1 ND 50.0 1 81.2 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0250 1 05/26/23 ND 0.0500 1 05/26/23 ND 0.0250 1 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 mg/kg mg/kg Analyst: KM 32.7 25.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 ND 50.0 1 05/26/23 Mg/kg Mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 05/26/23 05/26/23 ND 0.0500 1 05/26/23 05/26/23 ND 0.0250 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 20.0 1 05/26/23 05/26/23 mg/kg mg/kg Analyst: SL ND 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM 05/26/23 05/26/23 05/26/23 mg/kg mg/kg Analyst: KM 05/26/23 05/27/23 05/27/23 mg/kg mg/kg Analyst: BA 05/26/23 05/27/23 05/27/23



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

BH01 4'

		E305157-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
Benzene	ND	0.0250	1	05/26/23	05/26/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/26/23	
Toluene	ND	0.0250	1	05/26/23	05/26/23	
o-Xylene	ND	0.0250	1	05/26/23	05/26/23	
o,m-Xylene	ND	0.0500	1	05/26/23	05/26/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/26/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2321067
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	05/26/23	05/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2321081
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/23	05/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/23	05/27/23	
Surrogate: n-Nonane		87.6 %	50-200	05/26/23	05/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2321083
Chloride	1510	20.0	1	05/26/23	05/26/23	



		QC bi	u 11111110	iry Data	.				
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #008 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:		ilbert Moreno					5/31/2023 12:56:56PM
		Volatile O	rganics l	oy EPA 802	1B				Analyst: SL
Analyte	D 1:	Reporting Limit	Spike Level	Source Result		Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	Rec %	%	%	%	Notes
Blank (2321067-BLK1)							Prepared: ()	5/25/23	Analyzed: 05/26/23
,	ND	0.0250					Trepared. 0	3123123 F	Mary 200. 03/20/23
Benzene	ND ND	0.0250 0.0250							
Ethylbenzene Toluene	ND ND	0.0250							
o-Xylene	ND ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.69	0.0230	8.00		96.2	70-130			
LCS (2321067-BS1)							Prepared: 0	5/25/23 A	Analyzed: 05/26/23
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
-Xylene	5.21	0.0250	5.00		104	70-130			
o,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2321067-MS1)				Source:	E305152-	02	Prepared: 0	5/25/23 A	Analyzed: 05/26/23
Benzene	4.52	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.5	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
p-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			
Matrix Spike Dup (2321067-MSD1)				Source:	E305152-	02	Prepared: 0	5/25/23 A	Analyzed: 05/26/23
Benzene	4.10	0.0250	5.00	ND	81.9	54-133	9.94	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	9.63	20	
Toluene	4.39	0.0250	5.00	ND	87.9	61-130	9.60	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	63-131	10.1	20	

10.0

15.0

8.00

0.0500

0.0250

ND

ND

88.3

88.4

63-131

63-131

70-130

9.41

9.66

20

20



p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

8.83

13.3

7.74

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/3	1/2023 12:56:56PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2321067-BLK1)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			
LCS (2321067-BS2)							Prepared: 0:	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			
Matrix Spike (2321067-MS2)				Source:	E305152-	02	Prepared: 0:	5/25/23 Anal	yzed: 05/27/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			
Matrix Spike Dup (2321067-MSD2)				Source:	E305152-	02	Prepared: 0	5/25/23 Anal	yzed: 05/26/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/31/2023 12:56:56PM

Carisbad NM, 88220		Project Manager	r: Gi	ibert Moreno					5/31/2023 12:30:30PF
	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 (2321081-BLK1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.5		50.0		97.1	50-200			
.CS (2321081-BS1)							Prepared: 0	5/26/23 A	nalyzed: 05/26/23
viesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	44.4		50.0		88.9	50-200			
Matrix Spike (2321081-MS1)				Source:	E305155-0	01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
riesel Range Organics (C10-C28)	302	25.0	250	37.4	106	38-132			
urrogate: n-Nonane	43.6		50.0		87.1	50-200			
Matrix Spike Dup (2321081-MSD1)				Source:	E305155-(01	Prepared: 0	5/26/23 A	nalyzed: 05/26/23
tiesel Range Organics (C10-C28)	307	25.0	250	37.4	108	38-132	1.63	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			



WPX Energy - Carlsbad		Project Name:		OX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					# /0.4 /0.000 A.B. # C. # C.D. #
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					5/31/2023 12:56:56PM
		Anions	by EPA 3	00.0/9056	A				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2321083-BLK1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	ND	20.0							
LCS (2321083-BS1)							Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2321083-MS1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	419	40.0	250	161	103	80-120			
Matrix Spike Dup (2321083-MSD1)				Source:	E305153-0)1	Prepared:	05/26/23	Analyzed: 05/26/23
Chloride	424	40.0	250	161	105	80-120	1.25	20	

QC Summary Report Comment:

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



Definitions and Notes

	WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/31/23 12:56

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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	VPX Energy Pe	rmian LLC				Bill To					La	b Us	e On	lv				T	AT		EPA P	ogram
Project: RDX 16 #008			A	ttention: Jim Raley		1	ab \	NO#			Job I	Num	ber	1D	2D	3D	St	andard	CWA	SDWA		
Project N	Manager: Gilbe	ert Moren	0		A	ddress: 5315 Buena Vista Dr.			F3	05	15	7	1000-82010						5 0	day TAT		
Address:	: 13000 W Cou	inty Rd 10	0		C	ity, State, Zip: Carlsbad, NM, 88	3220	-		-			_		nd Metho							RCRA
City, Stat	te, Zip_Odessa	,TX, 7976	5			hone: 575-885-7502				by												
	32-305-6415					Email: jim.raley@dvn.com				ORO											State	
Email: D	evon-team@e	techenv.	om			WO: 21141253				00	-	_		0.0	1 1	ΣZ			1 8	NM CO	UT AZ	TX
-	d by: Edyte Ko					cident ID: nAPP2307930900			-	JO/DF	802	3260	010	300		100	- 1	¥	1 3			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II			Lat		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:00	5/22/2023	S	1			BH01		(0.5'							х						TX
9:20	5/22/2023	S	1			BH01	2		4'							×						
																		-				
7 3.0																						
I, (field samp	al Instruction pler), attest to the v	validity and a				at tampering with or intentionally mislabe Sampled by:	lling the sampl	e locat	tion,											on ice the day subsequent d		ed or receive
Relinquishe	ed by: (Signature Konuan)	Date 05	124123	Time 10:30	Received by: (Signature) Wille Cluyls		4-2	2)		30)	Rec	eive	d on ice:		Lab (Jse O N	nly			
nuc	ed by: (Signature)	11184 -	Date 5	24-23	1815	Received by: (Signature)	Date.	14.	23	Time	330		<u>T1</u>			<u>T2</u>				<u>T3</u>		
Relinquishe	ed by: (Signature)	0	Date	24.23	2400	Received by: (Signature)	- 5h	5/	23	Time	. 20)	AVG	3 Ter	mp °C	4						
	rix: S - Soil, Sd - Soli				1 24		Conta	iner	Туре	: g - g					, ag - am	ber g	lass, v	- VOA	4			
					d unless other	arrangements are made. Hazardous														r the analy	sis of the at	ove
						this COC. The liability of the laborato																

envirotech Inc.

Printed: 5/26/2023 2:03:56PM

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:	05/25/23	08:20		Work Order ID:	E305157
Phone:	(539) 573-4018	Date Logged In:	05/25/23	08:33		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/01/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mater	ch the COC					
	amples dropped off by client or carrier?	in the coc	Yes Yes	a : 6			
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>ourier</u>		
	Il samples received within holding time?	icu anaryses.	Yes				
3. Were a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		103			Comment	s/Resolution
Sample T	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	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				
	e 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				
	•	temperature. 1	<u> </u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat		ers confected:	103				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	. NA		
	· - ·	30 WIIO:	1421	Subcontract Lat), INA		
Client Ir	<u>nstruction</u>						
L							

Date

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

APPENDIX G

NMOCD Notifications

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



Anna Byers

From: Joseph Hernandez

Sent: Friday, June 9, 2023 1:02 PM

To: Anna Byers

Subject: FW: WPX Site Sampling Update (5/22 - 5/26/2023)

From: Erick Herrera <erick@etechenv.com> Sent: Wednesday, May 17, 2023 5:14 PM

To: OCD.Enviro@emnrd.nm.gov; blm_nm_cfo_spill@blm.gov

Cc: jim.raley@dvn.com; Devon-Team < Devon-Team@etechenv.com>

Subject: WPX Site Sampling Update (5/22 - 5/26/2023)

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following site between May 22 – May 26, 2023:

Site Name: RDX 16-#008 API: 30-015-39751

Incident Number: nAPP2307930900

Thank you,

Erick Herrera Staff Geologist



Work: (432) 305-6416 Cell: (281) 777-4152 tate of New Mexico

Incident ID	nAPP2307930900	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.							
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)							
Deferral Requests Only: Each of the following items must be con-	nfirmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.							
Extents of contamination must be fully delineated.							
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.						
which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of						
Printed Name: Jim Raley	Title: Environmental Professional						
Signature:	Date:6/13/2023						
email:email:	Telephone: <u>575-689-7597</u>						
OCD Only							
Received by: Jocelyn Harimon	Date:06/13/2023						
Approved Machine Approved with Attached Conditions of	Approval						
Signature: Robert Hamlet	Date:11/14/2023						

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 227084

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	227084
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

C	Created By	Condition	Condition Date
	rhamlet	The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within a 100-year floodplain, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.	11/14/2023

<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 371031

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371031
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

rerequisites	
Incident ID (n#)	nAPP2307930900
Incident Name	NAPP2307930900 RDX 16 #008 @ 30-015-39751
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-39751] RDX 16 #008

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RDX 16 #008
Date Release Discovered	03/16/2023
Surface Owner	State

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	Cause: Human Error Production Tank Crude Oil Released: 4 BBL Recovered: 2 BBL Lost: 2 BBL.	
Produced Water Released (bbls) Details	Cause: Human Error Production Tank Produced Water Released: 30 BBL Recovered: 25 BBL Lost: 5 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 <u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 371031

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTIONS (continued)		
Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.	
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	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 rt does not relieve the operator of responsibility for compliance with any other federal, state, or	
	Name: James Raley	

Title: EHS Professional

Email: jim.raley@dvn.com Date: 08/06/2024

I hereby agree and sign off to the above statement

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 371031

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371031
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 100 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 100 (ft.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between 1 and 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Zero feet, overlying, or within area	
Did the release impact areas not on an exploration, development, production, or storage site	No	

d to the appropriate district office no later than 90 days after the release discovery date.			
Yes			
ation associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Yes			
No			
n milligrams per kilograms.)			
19900			
17240			
11900			
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.			
01/18/2024			
07/01/2024			
07/01/2024			
0			
0			
975			
130			
at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			

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 **District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 371031

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371031
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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: 08/06/2024

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

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 5

Action 371031

QUESTIONS (continued)		
Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	
QUESTIONS	•	
Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	f 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	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Deferred soil lies directly below and adjacent to active storage tanks, surface utilities, and subsurface utilities. Removal of said soil would de-stabilize equipment and endanger personnel onsite.	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4566	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	3134	
Per Paragraph (2) of Subsection C of 19 15 29 12 NMAC if contamination is located in areas immedia	ately under or around production equipment such as production tanks, wellheads and pipelines where	

Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.

Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-39751 RDX 16 #008
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True

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.

Name: James Raley
Title: EHS Professional
Email: jim.raley@dvn.com
Date: 08/06/2024

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 6

Action 371031

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371031
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	359231	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/02/2024	
What was the (estimated) number of samples that were to be gathered	20	
What was the sampling surface area in square feet	4250	

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	No	

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 371031

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371031
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	WPX's deferral requests final remediation for (Incident Number NAPP2307930900) until final reclamation of the well pad or major construction, whichever comes first. WPX and eTECH do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The release has been vertically delineated by boreholes BH01 and BH06. The release is laterally delineated by boreholes BH03, BH04, and BH05. The areas requested for deferral are located on the inside of the earthen berm battery and are in close proximity to the facility infrastructure, which include sample locations (FS01 through FS14). At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	9/5/2024