

New Mexico Oil Conservation Division 506 W. Texas Ave Artesia, NM 88210

RE: Deferral Request Addendum Cover Letter

WPX Energy Permian, LLC

RDX 16 #009

Incident Number nAPP2317840368 and nAPP2322658221

Eddy County, New Mexico

To Whom It May Concern:

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Deferral Request Addendum Cover Letter (DRACL) to document that No Further Action (NFA) is warranted for two inadvertent releases of crude oil and produced water at the RDX 16 #009 (Site) (**Figure 1** in **Appendix A**) assigned Incident Numbers nAPP2317840368 and nAPP2322658221, based on previous remediation efforts and additional confirmation soil samples collected as requested. WPX is requesting to defer residual impacted soil within an earthen bermed tank battery containment (EBTBC) and NFA until the Site undergoes major deconstruction or plugging and abandonment (P&A), which ever comes first.

This DRACL is being submitted to present additional data following a rejection of a previous Deferral Request Report (DRR) for Incident Numbers nAPP2317840368 and nAPP2322658221. The DRR, which was submitted on June 3, 2024, detailed the corrective actions that were completed to address the two inadvertent releases, but was denied on June 7, 2024, by the New Mexico Oil Conservation Division (NMOCD) for the following reason(s):

"Deferral denied. Per the remediation plan approved on 3/7/2024, the off-pad area which contains FS10-FS15 was to be excavated to at least 4', pursuant to 19.15.29.13 NMAC. FS10 and FS11 are off pad and need to be remediated to 4'. Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. The deferral request must specify which sample points are being requested for deferral including an explanation why the contaminants can't be removed. Resubmit report to the OCD by 8/6/2024."

On July 2, 2024, Etech collected 5-point composite confirmation excavation soil samples as requested by the NMOCD (FS10A and FS11A) at 0.5-feet below ground surface (bgs) and (FS11A and FS11B) at 4-feet via hand auger. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. in Farmington New Mexico, for analysis of the Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) by Method Environmental Protection Agency (EPA) 8021B, TPH (Total Petroleum Hydrocarbon) by Method EPA 8015 M/D and chloride by Method EPA 300.0. The locations of the additional confirmation soil samples are shown in **Figure 2** in **Appendix A.** Photographic documentation of confirmation soil sampling activities is included in **Appendix B**.

Laboratory analytical results for all final confirmation soil samples indicated all analyzed constituents of concern were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix C**. The executed chain-of custody forms and laboratory analytical reports are provided in **Appendix D**.

Based on laboratory analytical results for the additional confirmation soil samples, WPX believes that residual soil impacts associated with the two inadvertent releases have been excavated to the



Maximum Extent Practical (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 guidelines to ensure the health and safety of on-site personnel for structural integrity of utilities. In all areas where excavation was not limited, residual impacts were removed in accordance with the applicable Site Closure Criteria. As a result, WPX is requesting deferral of final remediation for delineation soil samples (PH01 through PH03) and confirmation excavation soil samples (FS18 through FS28), due to the presence of active production equipment, preventing the full excavation of residual impacted soil (**Figure 3** in **Appendix A**). Residual impacts appear to solely reside below the EBTBC up to 6 feet bgs based on delineation soil samples collected near PH01 at 6 feet bgs, 4 feet bgs collected near PH02 and 2 feet bgs collected near PH03.

WPX believes the timely initial response and other completed remedial actions completed have mitigated immediate impacts at the Site and meet the Deferral requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater. WPX does not believe deferment will result in imminent risk to human health, the environment or groundwater. Impacted soil is shallow within the EBTBC, where depth to groundwater was determined to be greater than 100 feet bgs. As such, NFA appears warranted at this time and the Site should be respectfully considered for Deferral by the NMOCD until the Site undergoes major deconstruction or P&A activities, whichever comes first. **Appendix E** provides current correspondence email notification receipts associated with the subject release. All field data and summaries can be referenced in the DRR provided in **Appendix F**.

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 (432) 305-6416 or erick@etechenv.com.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Herrera Project Geologist

Ericl #

Joseph S. Hernandez Senior Managing Geologist

cc: Jim Raley, Devon Energy

New Mexico Oil Conservation Division

Appendices:

Appendix A: Figure 1: Site Location Map

Figure 2: Confirmation Soil Sample Locations

Figure 3: Deferral Request

Appendix B: Photographic Log

Appendix C: Table

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

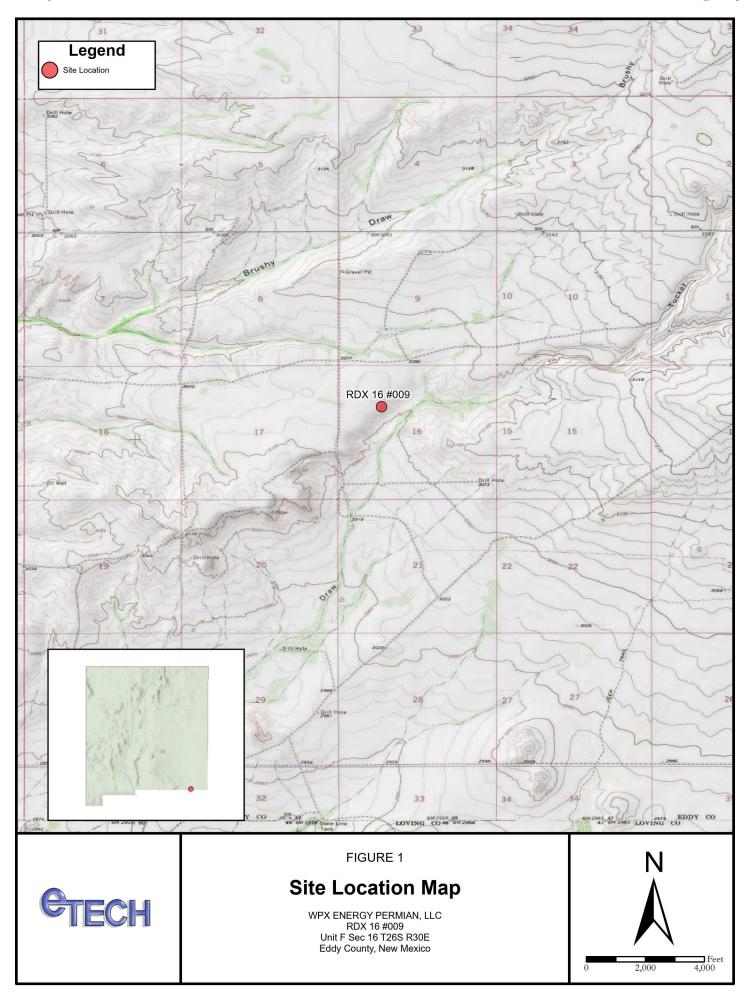
Appendix E: Email Notifications **Appendix F**: Archived Reports

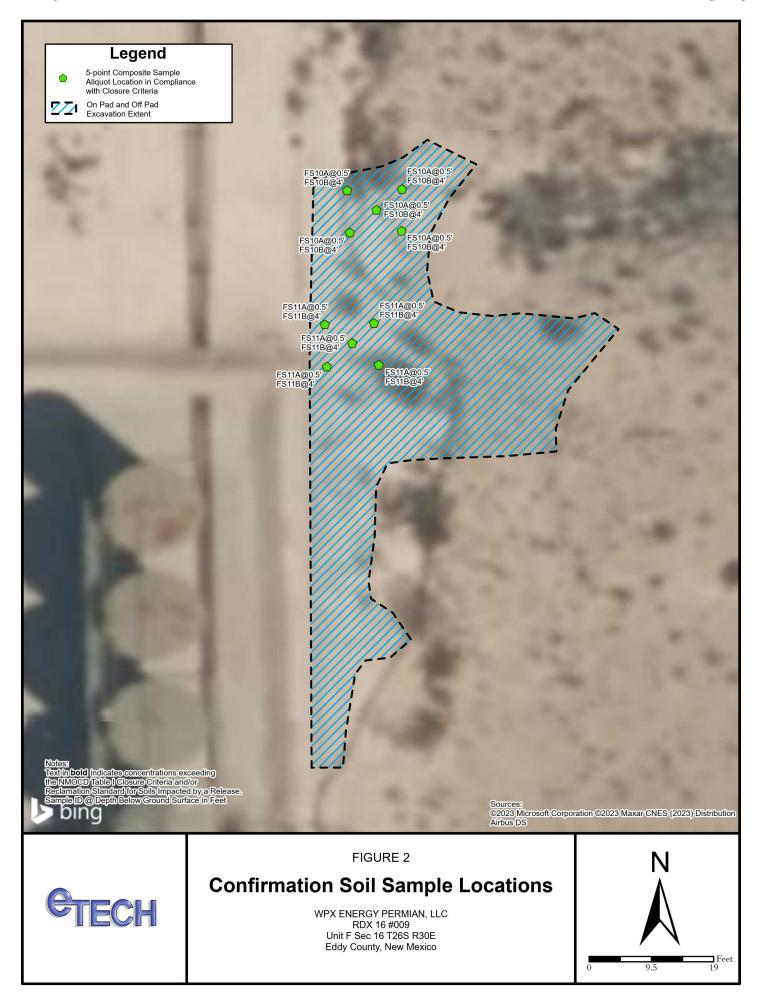
APPENDIX A

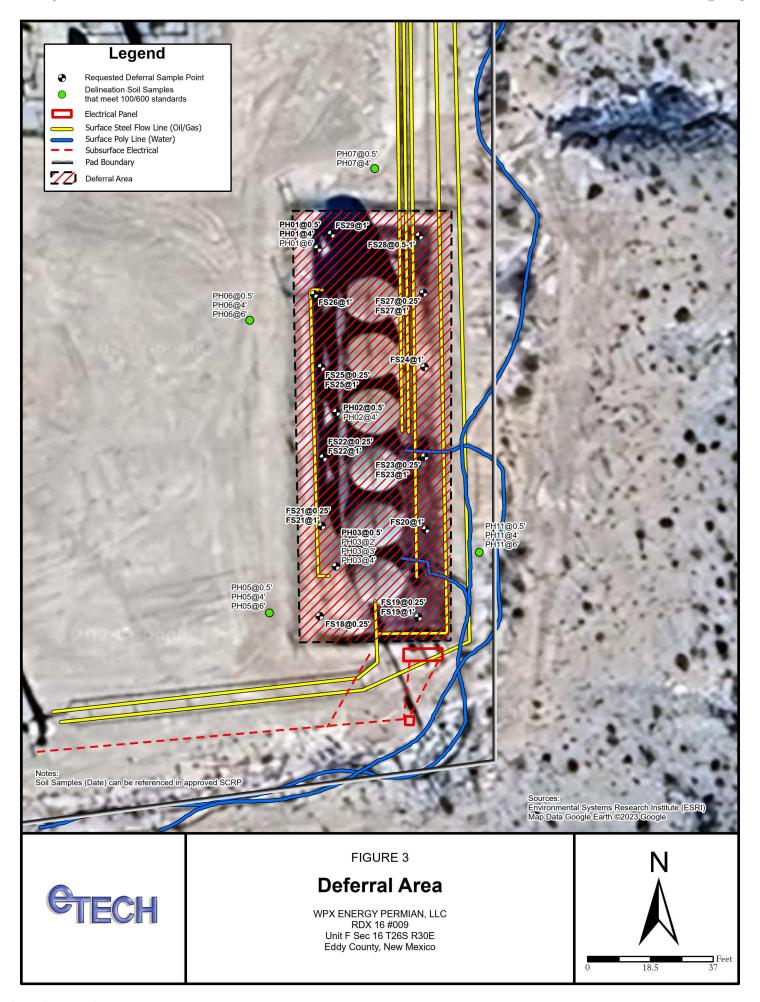
Figures

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









APPENDIX B

Photographic Log

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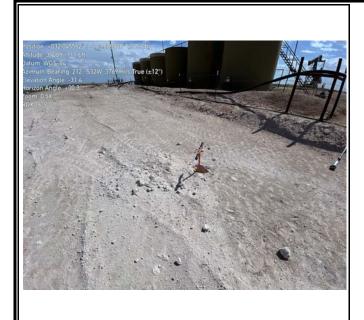




PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #009

Incident Numbers nAPP2317840368 and nAPP2322658221



Photograph 1 Date: 07/02/2024

Description: Southwest view of confirmation sampling activities.



Photograph 3 Date: 07/02/2024 Description: Northeastern view of confirmation sampling activities.



Photograph 2 Date: 07/02/2024 Description: Southeastern view of confirmation sampling activities.



Photograph 4 Date: 07/02/2024

Description: Northern view of confirmation sampling activities.

APPENDIX C

Table

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Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #009 **Eddy County, New Mexico**

Sample I.D. Sample Date		Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
			Co	nfirmation Soil Sample	s - Incident Numbers n	APP2317840368 & nAF	PP2322658221			
FS10A	07/02/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	295
FS10B	07/02/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
FS11A	07/02/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	314
FS11B	07/02/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	298

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 D

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



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 #009

Work Order: E407041

Job Number: 01058-0007

Received: 7/8/2024

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

Anna Byers 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E407041

Date Received: 7/8/2024 10:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/8/2024 10:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu:
١	Carlsbad NM, 88220	Project Manager:	Anna Byers	07/11/24 15:47

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS10A 0.5'	E407041-01A Soil	07/02/24	07/08/24	Glass Jar, 2 oz.
FS10B 4'	E407041-02A Soil	07/02/24	07/08/24	Glass Jar, 2 oz.
FS11A 0.5'	E407041-03A Soil	07/02/24	07/08/24	Glass Jar, 2 oz.
FS11B 4'	E407041-04A Soil	07/02/24	07/08/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/11/2024 3:47:13PM

FS10A 0.5' E407041-01

		E107011 01				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS	<u>-</u>	Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130	07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	07/09/24	07/10/24	
Surrogate: Toluene-d8		93.4 %	70-130	07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130	07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	07/09/24	07/10/24	
Surrogate: Toluene-d8		93.4 %	70-130	07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane		102 %	50-200	07/09/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2428037
Chloride	295	20.0	1	07/09/24	07/09/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/11/2024 3:47:13PM

FS10B 4' E407041-02

	2.0.311 02				
Result			ion Prepared	Analyzed	Notes
			1	1 11111, 200	Batch: 2428035
				07/10/24	Batch: 2428033
		•			
		•			
		1			
ND	0.0250	1	07/09/24	07/10/24	
ND	0.0500	1	07/09/24	07/10/24	
ND	0.0250	1	07/09/24	07/10/24	
	98.2 %	70-130	07/09/24	07/10/24	
	98.6 %	70-130	07/09/24	07/10/24	
	92.1 %	70-130	07/09/24	07/10/24	
mg/kg	mg/kg	A	nalyst: RKS		Batch: 2428035
ND	20.0	1	07/09/24	07/10/24	
	98.2 %	70-130	07/09/24	07/10/24	
	98.6 %	70-130	07/09/24	07/10/24	
	92.1 %	70-130	07/09/24	07/10/24	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2428028
ND	25.0	1	07/09/24	07/10/24	
ND	50.0	1	07/09/24	07/10/24	
	100 %	50-200	07/09/24	07/10/24	
mg/kg	mg/kg	A	nalyst: DT		Batch: 2428037
_	mg/kg ND 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 98.6 % 92.1 % mg/kg mg/kg ND 20.0 98.2 % 98.6 % 92.1 % 92.1 % mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.2 % 70-130 98.6 % 70-130 92.1 % 70-130 98.2 % 70-130 98.6 % 70-130 98.6 % 70-130 92.1 % 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 100 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0500 1 07/09/24 ND 0.0250 1 07/09/24 98.2 % 70-130 07/09/24 98.6 % 70-130 07/09/24 92.1 % 70-130 07/09/24 98.2 % 70-130 07/09/24 98.6 % 70-130 07/09/24 98.6 % 70-130 07/09/24 92.1 % 70-130 07/09/24 mg/kg mg/kg Analyst: KM ND 25.0 1 07/09/24 ND 50.0 1 07/09/24 ND 50.0 1 07/09/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/09/24 07/10/24 ND 0.0500 1 07/09/24 07/10/24 ND 0.0250 1 07/09/24 07/10/24 ND 0.0250 1 07/09/24 07/10/24 98.2 % 70-130 07/09/24 07/10/24 98.6 % 70-130 07/09/24 07/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/09/24 07/10/24 98.6 % 70-130 07/09/24 07/10/24 98.6 % 70-130 07/09/24 07/10/24 mg/kg mg/kg Analyst: KM ND 25.0 1



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/11/2024 3:47:13PM

FS11A 0.5' E407041-03

D 1				D 1		N.
Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2428035
ND	0.0250	1		07/09/24	07/10/24	
ND	0.0250	1		07/09/24	07/10/24	
ND	0.0250	1		07/09/24	07/10/24	
ND	0.0250	1		07/09/24	07/10/24	
ND	0.0500	1		07/09/24	07/10/24	
ND	0.0250	1		07/09/24	07/10/24	
	97.8 %	70-130		07/09/24	07/10/24	
	100 %	70-130		07/09/24	07/10/24	
	92.6 %	70-130		07/09/24	07/10/24	
mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2428035
ND	20.0	1		07/09/24	07/10/24	
	97.8 %	70-130		07/09/24	07/10/24	
	100 %	70-130		07/09/24	07/10/24	
	92.6 %	70-130		07/09/24	07/10/24	
mg/kg	mg/kg	A	Analyst: KN	1		Batch: 2428028
ND	25.0	1		07/09/24	07/10/24	
ND	50.0	1		07/09/24	07/10/24	
	97.8 %	50-200		07/09/24	07/10/24	
mg/kg	mg/kg	A	Analyst: DT			Batch: 2428037
314	20.0	1		07/09/24	07/09/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 97.8 % 100 % 92.6 % mg/kg mg/kg ND 20.0 mg/kg mg/kg ND 25.0 ND 50.0 97.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.8 % 70-130 100 % 70-130 92.6 % 70-130 100 % 70-130 97.8 % 70-130 92.6 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 97.8 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: RK ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.8 % 70-130 100 % 70-130 92.6 % 70-130 mg/kg mg/kg Analyst: RK ND 20.0 1 97.8 % 70-130 1 mg/kg mg/kg Analyst: KN ND 25.0 1 ND 50.0 1 97.8 % 50-200 mg/kg Analyst: DT	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0500 1 07/09/24 ND 0.0250 1 07/09/24 ND 0.0250 1 07/09/24 100 % 70-130 07/09/24 92.6 % 70-130 07/09/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/09/24 97.8 % 70-130 07/09/24 92.6 % 70-130 07/09/24 92.6 % 70-130 07/09/24 mg/kg mg/kg Analyst: KM ND 25.0 1 07/09/24 ND 50.0 1 07/09/24 97.8 % 50-200 07/09/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/09/24 07/10/24 ND 0.0500 1 07/09/24 07/10/24 ND 0.0250 1 07/09/24 07/10/24 ND 0.0250 1 07/09/24 07/10/24 97.8 % 70-130 07/09/24 07/10/24 92.6 % 70-130 07/09/24 07/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/09/24 07/10/24 97.8 % 70-130 07/09/24 07/10/24 100 % 70-130 07/09/24 07/10/24 mg/kg mg/kg Analyst: KM ND 25.0 1



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/11/2024 3:47:13PM

FS11B 4' E407041-04

	_	Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2428035
Benzene	ND	0.0250	1	07/09/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/09/24	07/10/24	
Toluene	ND	0.0250	1	07/09/24	07/10/24	
o-Xylene	ND	0.0250	1	07/09/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/09/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/09/24	07/10/24	
Surrogate: Toluene-d8		92.8 %	70-130	07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2428035
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/24	07/10/24	
Surrogate: Bromofluorobenzene		98.3 %	70-130	07/09/24	07/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/09/24	07/10/24	
Surrogate: Toluene-d8		92.8 %	70-130	07/09/24	07/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2428028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/09/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/09/24	07/10/24	
Surrogate: n-Nonane		101 %	50-200	07/09/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2428037
Chloride	298	20.0	1	07/09/24	07/09/24	

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Anna Byers 7/11/2024 3:47:13PM **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 Blank (2428035-BLK1) Prepared: 07/09/24 Analyzed: 07/09/24 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 0.498 0.500 99.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.475 0.500 94.9 70-130 0.500 93.9 70-130 Surrogate: Toluene-d8 0.470 LCS (2428035-BS1) Prepared: 07/09/24 Analyzed: 07/09/24 2.66 0.0250 2.50 106 70-130 Benzene 2.50 2.50 100 70-130 Ethylbenzene 0.0250 2.36 0.0250 2.50 94.6 70-130 97.9 70-130 2.45 0.0250 2.50 o-Xylene 98.3 4.91 5.00 70-130 p,m-Xylene 0.0500 7.36 0.0250 7.50 98.2 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.493 0.500 98.6 70-130 0.500 94.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.474 70-130 Surrogate: Toluene-d8 0.480 0.500 Matrix Spike (2428035-MS1) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24 2.75 0.0250 2.50 ND 110 48-131 45-135 Ethylbenzene 2.54 0.0250 2.50 ND 102 2.42 48-130 Toluene 0.0250 2.50 ND 96.7 2.51 0.0250 2.50 ND 100 43-135 o-Xylene 5.03 ND 101 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.53 0.0250 7.50 ND 100 43-135 Surrogate: Bromofluorobenzene 0.499 0.500 99.7 70-130 0.500 96.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 0.500 70-130 0.475 95.0 Surrogate: Toluene-d8 Matrix Spike Dup (2428035-MSD1) Source: E407038-04 Prepared: 07/09/24 Analyzed: 07/09/24 1.50 2.80 0.0250 2.50 ND 112 48-131 23 2.65 0.0250 2.50 ND 45-135 3.91 27 Ethylbenzene ND 99.7 48-130 3.06 24 2.49 2.50 Toluene 0.0250 o-Xylene 2.65 0.0250 2.50 ND 106 43-135 5.62 27 5.32 5.00 ND 106 43-135 27 5.59 p,m-Xylene 0.0500 27 7.97 0.0250 7.50 ND 106 43-135 5.60 Total Xylenes Surrogate: Bromofluorobenzene 0.504 0.500 101 70-130 0.500 96.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.482



0.500

70-130

0.476

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Anna Byers7/11/20243:47:13PM

Nab-l	1 0	L. EDA	001ED	CDO
Nonhalogenate	d Organics	DV EPA	X015D -	(+K()

Analyst: RKS

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

	Result	2111110	Ec vei	1000010	ICCC	2111110	1412		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2428035-BLK1)							Prepared: 0	7/09/24 A	Analyzed: 07/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			
LCS (2428035-BS2)							Prepared: 0	7/09/24 A	Analyzed: 07/09/24
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			
Matrix Spike (2428035-MS2)				Source:	E407038-	04	Prepared: 0	7/09/24 A	Analyzed: 07/09/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			
Matrix Spike Dup (2428035-MSD2)				Source:	E407038-	04	Prepared: 0	7/09/24 A	Analyzed: 07/09/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.45	20	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Anna Byers	7/11/2024 3:47:13PM

Carlsbad NM, 88220		Project Manager	r: Ar	ina Byers					7/11/2024 3:47:13PN
	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 (2428028-BLK1)							Prepared: 0	7/09/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.3		50.0		98.6	50-200			
LCS (2428028-BS1)							Prepared: 0	7/09/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
urrogate: n-Nonane	63.5		50.0		127	50-200			
Matrix Spike (2428028-MS1)				Source:	E407038-	04	Prepared: 0	7/09/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132			
urrogate: n-Nonane	55.1		50.0		110	50-200			
Matrix Spike Dup (2428028-MSD1)				Source:	E407038-	04	Prepared: 0	7/09/24 A	nalyzed: 07/10/24
Diesel Range Organics (C10-C28)	296	25.0	250	ND	119	38-132	0.669	20	
hurrogate: n-Nonane	58.3		50.0		117	50-200			



WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:		1058-0007					
Carlsbad NM, 88220		Project Manager:	: A	nna Byers					7/11/2024 3:47:13PM
		Anions	by EPA 3	300.0/9056 <i>£</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 (2428037-BLK1)							Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	ND	20.0							
LCS (2428037-BS1)							Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2428037-MS1)				Source:	E407038-	04	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	373	20.0	250	120	101	80-120			
Matrix Spike Dup (2428037-MSD1)				Source:	E407038-	04	Prepared: 0	7/09/24 A	nalyzed: 07/09/24
Chloride	377	20.0	250	120	103	80-120	0.933	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 #009	
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Anna Byers	07/11/24 15:47

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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Chefft. V	VEN THEIR	yreiiiia	III, LLC.		DIII TO				Ld	D US	e Oni	У	I EARLES		L			41		EPA	rogram
	RDX 16 #0				Attention: Jim Raley		Lab \	NO#			Job Number				1D	1D 2D 3D		3D Standard		CWA	SDWA
	Manager:				Address: 5315 Buena Vista Dr.		EU	0	100	41	OUG	38	W)+				5 0	day TAT		
Address	: 13000 W	County	Rd 100		City, State, Zip: Carlsbad, NM, 8	88220		+1		-	Analys	is an	d Me	thod	i						RCRA
City, Sta	te, Zip_O	dessa,TX,	79765	***************************************	Phone: 575-885-7502						П					T					
Phone: 4	132-305-6	415			Email: jim.raley@dvn.com			3015								1				State	
Email: D	evon-tear	n@etech	nenv.com		WO: 21191055			by 8								1			NM CO	UT AZ	' TX
					Incident ID: nAPP2322658221,			ORO								1					
					nAPP2317840368		1.10	0/01	п			0.0		_	Σ	1					
Collecte	d by: Edyt	e Konan			11111 2327010300		-	J/DF	by 8021	3260	010	300		Anio			¥		_		
Time	Date		No. of	c 10	Marie	Lab	th (ft	TPH GRO/DRO/ORO by 8015	k by	by	als 6	Chloride 300.0		/uc	000	1	2			- I	
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Depth(ft.)	ТРН	втех	VOC by 8260	Metals 6010	Chlo	TDS	Cation/ Anion	верос		GDOC			Remark	S
13:30	07.02.24	S	1		FS10A		0.5'								х						
						1		_			\vdash					_	-				
14:00	07.02.24	S	1		FS10B	2	4'								х						
14.20				<u> </u>	FC4.4.4		0.51					_	_			\vdash					
14:30	07.02.24	5	1		FS11A	3	0.5'								Х						
15:00	07.02.24	S	1		FS11B	4	4'								х						
											\vdash				-	-	-				
										_	++	_									
					ماء																
					071031202h			-			\vdash				_	-	-				
					0+10																
								\vdash			\vdash				-	-	+				
																1					
	L				The state of the s							, , ,									
Addition	al Instruc	tions:																			
, (field sam	pler), attest to	the validity	and authen	ticity of this sample.	I am aware that tampering with or intentionally n	nislabelling the samp	le locat	ion,			Samples	s requi	ring the	ermal p	oreserva	ation m	ust be r	eceived	on ice the da	y they are sa	npled or
				may be grounds for l		,		OWNER.			received	d pack	ed in ice	e at an	avg ter	mp abo	ve 0 but	less th	ian 6 °C on sul	sequent day:	i.
	ed by: (Signa		Date	Time	Received by: (Signature)	Date		Time							نار	ąb U	se Or	nly			
5	Kyf		OB	03/24 07	800 Miselle Lynn	- 7-3-2	4	D	700)	Rece	ived	on i	ce:	(i	3/1	J				
	ed by: (Sign)		Date	Time	Received by: (Signature)	Date		Time	,						-)					
1160	ed by: (Sight	4A	7-	3-24 11	600 r Antrew MA	50 7.3	.24	1	60	0	T1				T2				T3		
Relinquish	ed by: (Signa	tufe) 0	Date	Time	Received by: (Signature)	Date	011	Time	4.0		101			-1	1						
C V	doen	, H.	100	3.41	200 alieu 1/2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14	10	\mathcal{X})	AVG	Tem	o° an		T						
Sample Mat	rix: S - Soil Sr	- Solid. Se -	Sludge A - 4	Aqueous, O - Other_	1000 4000	Container	Type:	g - pl	ass r) - pc			-		er øla	ess v	- VOA	1	ASSEMBLE SECTION OF THE PROPERTY OF THE PROPER		A PERSONAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN
					I unless other arrangements are made. Haza				-						_				for the an	alucic of +h	e abovo
				The same of the sa	poratory with this COC. The liability of the lab						-0.0			Circi	it cxp	CH3C.	inei	Choir	ioi the dil	217313 01 01	Labore



envirotech

Printed: 7/9/2024 4:55:41PM

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:	07/08/24 1	0:00	Work Order ID:	E407041
Phone:	(539) 573-4018	Date Logged In:	07/08/24 1	6:46	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	07/12/24 1	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		No			
	e number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Couier		
	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 disuession		Yes		<u>Comment</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 are 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			
17. Was 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		Yes			
Field Lab	<u>oel</u>					
20. Were 1	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
_	reservation	10	3.7			
	the COC or field labels indicate the samples were pr	eservea?	No			
	imple(s) correctly preserved?	atala?	NA			
	filteration required and/or requested for dissolved m	ietais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborator	ry?	No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: NA		
Client In	struction					

Page 15 of 15

Date

APPENDIX E

Email Notifications

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



Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, June 12, 2024 12:18 PM

To: Anna Byers

Cc: Devon-Team; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] Deferral Request Denials for Incident Numbers nAPP2317840368 and

nAPP2322658221 - WPX RDX 16 #009

Hi Anna,

You're welcome. Sounds great!

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov

From: Anna Byers <anna@etechenv.com>

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

Sent: Wednesday, June 12, 2024 11:14 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Devon-Team < Devon-Team@etechenv.com>; Jim.Raley@dvn.com; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Deferral Request Denials for Incident Numbers nAPP2317840368 and nAPP2322658221 - WPX

RDX 16 #009

Good morning Shelly,

Thank you for clarifying! We will schedule the soil sampling event and submit a report addendum with the soil samples collected at the corrected depths.

Best,

Anna Byers

Senior Geologist



Work: (432) 305-6415 Cell: (575) 200-6754

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, June 12, 2024 10:59 AM **To:** Anna Byers <anna@etechenv.com>

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

Subject: RE: [EXTERNAL] Deferral Request Denials for Incident Numbers nAPP2317840368 and nAPP2322658221 - WPX RDX 16 #009

Good morning Anna,

Due to having two different standards for remediation (off pad reclamation standards and Table I dtgw >100 feet on pad), the samples can not be combined. Recollect the samples in question, collecting five point composite samples at the same depths, meaning recollect a sample at .25 feet depth on pad and the off pad samples at 4' depth. After, resubmit your deferral request by 8/6/2024.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced **Environmental Bureau EMNRD-Oil Conservation Division** 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Anna Byers <anna@etechenv.com> Sent: Monday, June 10, 2024 9:33 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Devon-Team < Devon-Team@etechenv.com>; Jim.Raley@dvn.com; Enviro, OCD, EMNRD

<OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Deferral Request Denials for Incident Numbers nAPP2317840368 and nAPP2322658221 - WPX RDX

16 #009

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

Good morning,

On behalf of WPX Permian, LLC. (WPX), Etech Environmental and Safety Solutions (Etech) would like to address the reasons for the Deferral Request Report denials for Incident Numbers nAPP2317840368 and nAPP2322658221 at the RDX 16 #009 (Site). Incident Numbers nAPP2317840368 and nAPP2322658221 were denied by the NMOCD for the following reasons:

Deferral denied. Per the remediation plan approved on 3/7/2024, (1) the off-pad area which contains FS10-FS15 was to be excavated to at least 4' which is pursuant to 19.15.29.13 NMAC. FS10 and FS11 are off pad and need to be remediated to 4'. Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. (2) The deferral request must specify which sample points are being requested for deferral including an explanation why the contaminants can't be removed. Resubmit report to the OCD by 8/6/2024.

- (1) The off-pad area associated with FS10 and FS11 was excavated to 4 feet below ground surface (bgs), however, the composite soil samples represented a portion of the shallower excavation located on pad in addition to the adjacent pasture excavation area, which was reflected in the excavation confirmation soil sample depths. The 4-foot excavation area in proximity of soil sampling locations FS10 and FS11 is shown in Photograph 3 of the Photolog in the denied Deferral Request Report. WPX requests that the NMOCD reconsiders that the excavation was advanced to a minimum of 4 feet bgs as outlined in the approved Remediation Plan based on photographic evidence provided in the report during sampling events and recognize that the depths of soil samples FS10 and FS11 were misleading due to the inclusion of a portion of the shallower excavation to the west.
- (2) The requested Deferral Area was indicated on Figure 3 along with the delineation soil sampling locations from the approved Remediation Plan and supplementary delineation soil sampling locations presented in the denied Deferral Request Report, which designated the area within the earthen berm tank battery containment as the Deferral Area. As such, WPX is requesting deferral of all confirmation excavation soil samples collected within the earthen berm (FS18 through FS29) and delineation soil samples collected from the PH01 soil sampling location. WPX removed the Maximum Extent Practical (MEP) of residual impacts within the earthen berm, resulting in a greater depth than proposed in the approved Remediation Plan, which was limited by the congested presence of surface equipment and soil type. The excavation within the earthen berm tank battery containment was advanced manually due to the configuration of surface utilities, however, further soil removal beyond the existing 1-foot excavation would have presented the risk of destabilizing surface equipment and utilities. Considering the depth to groundwater and distances from other recognized sensitive receptors, WPX believes that impacts at the Site have been mitigated and meet the requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater.

As such, WPX requests NMOCD to reconsider the denial of the Deferral Request Report associated with Incident Numbers nAPP2317840368 and nAPP2322658221, and respectfully requests approval of the delineated Deferral Area that resides beneath the earthen berm tank battery containment.

Thank you,

Anna Byers

Senior Geologist



Work: (432) 305-6415 Cell: (575) 200-6754

<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 359042

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359042
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites								
Incident ID (n#)	nAPP2317840368							
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752							
Incident Type	Produced Water Release							
Incident Status	Remediation Plan Approved							
Incident Well	[30-015-39752] RDX 16 #009							

Location of Release Source	
Site Name	RDX 16 #009
Date Release Discovered	06/26/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,062
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/02/2024
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 the intersection of Tarbrush and Pipeline Rd, go east on Pipeline Rd. for approximately 3.32 mi, turn right for 1.34 mi; turn left for 0.27 mi. to Site Location (32.0453, -103.8901).

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 359042

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359042
	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.	6/27/2024

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

Action 359043

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359043
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322658221
Incident Name	NAPP2322658221 RDX 16 #009 @ 30-015-39752
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39752] RDX 16 #009

Location of Release Source	
Site Name	RDX 16 #009
Date Release Discovered	08/14/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,062
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/02/2024
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 the intersection of Tarbrush and Pipeline Rd, go east on Pipeline Rd. for approximately 3.32 mi, turn right for 1.34 mi; turn left for 0.27 mi. to Site Location (32.0453, -103.8901).

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

CONDITIONS

Action 359043

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	359043
	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.	6/27/2024

APPENDIX F

Archived Reports

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





DEFERRAL REQUEST REPORT

RDX 16 #009
Eddy County, New Mexico
Incident Numbers
nAPP2317840368
nAPP2322658221

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 Deferral Request Report (DRR) detailing excavation and soil sampling events conducted in accordance with an approved Site Characterization and Remediation Plan (SCRP) to address two inadvertent releases of crude oil and produced water at the RDX 16 #009 (Site). Based on the laboratory analytical results from recent soil sampling events, WPX is requesting to defer residual impacted soil within an earthen bermed tank battery containment (EBTBC) 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 Site is located in Unit F, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0453377°, -103.8900681°) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A**).

Incident Number nAPP2317840368

On June 26, 2023, it was discovered that a water transfer pump was inadvertently left off causing a release of approximately 50 barrels (bbls) of crude oil and 522 bbls of produced water within an EBTBC. Fluids escaped the containment and flowed onto the pad surface and adjacent pasture. A vacuum truck was dispatched to the Site and recovered approximately 40 bbls of crude oil and 480 bbls of produced water. WPX immediately reported the release to Mike Bratcher and Rosa Romero from the New Mexico Oil Conservation Division (NMOCD) via email and on a Release Notification and Corrective Action Form C-141 (Form C-141) on June 27, 2023, which was subsequently assigned Incident Number nAPP2317840368.

In July 2023, WPX conducted initial soil removal of impacted pad surfaces within and around the EBTBC Further remediation to include pasture soils required an approved Right-of-Entry (ROE) permit prior to ground disturbance. As a result, on July 20, 2023, SWCA Environmental Consultants (SWCA) was retained to conduct a required cultural survey of the Site, which was completed on August 3, 2023. The ROE permit was submitted to the State Land Office (SLO) for review and approved on October 31, 2023.

Incident Number nAPP2322658221

On August 14, 2023, it was discovered that a breaker to a water transfer pump tripped during a power outage and caused a release of approximately 149 barrels bbls of produced water within the same EBTBC impacted by Incident Number nAPP2317840368. All fluids remained within the EBTBC. A vacuum truck was dispatched to the Site and recovered approximately 110 bbls of produced water. WPX immediately reported the release to Mike Bratcher and Rosa Romero from the NMOCD via email and on a Form C-141 on August 14, 2023, which was subsequently assigned Incident Number nAPP2322658221.

Due to the delay of land access caused by ROE permitting processes, an extension to complete remediation activities and prepare a report for both incidents was requested and granted by the NMOCD for December 23, 2023.

Etech prepared the SCRP proposing corrective actions to address identified residual soil impacts exceeding the applicable Site Closure Criteria and/ or reclamation standard. The SCRP was submitted to the NMOCD and approved on February 29, 2024, with the following conditions:

- Variance request to collect confirmation sidewall and floor samples no more than 400 square feet is approved.
- Submit deferral request or remediation closure report to the OCD by June 4, 2024.

Deferral Request Report Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009

pg. 1



SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

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

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [↑]
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 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.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the Site characterization are included in **Figure 1A**, **Figure 1B**, and **Figure 1C** in **Appendix A**. Referenced well records are provided as **Appendix B**.

EXCAVATION SOIL SAMPLING ACTIVITIES

During April 2, 2024, through May 15, 2024, Etech oversaw the excavation of identified impacts via mechanical equipment based on detailed corrective actions in the approved SCRP, laboratory analytical results associated with delineation soil sampling activities, and visual observation. As proposed, the excavation was vertically advanced to depths ranging between 0.25 feet and 5 feet below ground surface (bgs) and further driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of impacted soil, Etech collected 5-point composite confirmation soil samples from the floors (labeled FS01 through FS29) and sidewalls (labeled SW01 through SW06) of the excavation at

Deferral Request Report Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009

pg. 2



the approved sampling frequency of 400 square feet. The composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. in Farmington, New Mexico, for analysis of the COCs. Laboratory analytical results indicated one or more elevated COC concentrations present in multiple locations within the EBTBC and outside the containment at soil sampling locations FS02 and FS12.

On April 16, 2024, Etech resumed oversight of excavation activities to remove the residual soil impacts within proximity of FS02 and FS12 and to further advance the excavation within the EBTBC to the Maximum Extent Practical (MEP). Excavation activities associated with FS02 and FS12 were driven by field screening soil samples for VOCs and chloride, as previously described. The excavation within the EBTBC was advanced to the MEP (approximately 1-foot bgs) via hand digging to reduce the potential risk of structural destabilization of above-ground equipment, surface and subsurface lines or utilities while personnel were onsite to remediate the Site. Following additional soil removal, composite confirmation excavation soil samples were collected from the new excavation floors, handled, and analyzed as previously described. The locations of the final confirmation excavation soil samples are shown in **Figure 2** in **Appendix A**.

Approximately 740 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 C**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all final confirmation excavation soil samples collected outside of the EBTBC were below the applicable Site Closure Criteria and/ or reclamation standard.

Laboratory analytical results for soil samples collected from within the EBTBC (FS18 through FS29) indicated TPH-GRO + TPH-DRO and TPH concentrations exceeded the applicable Site Closure Criteria. Following the additional soil removal from within the containment, which was beyond the proposed depth of 2 to 3 inches in the SCRP, laboratory analytical results indicated an overall decrease in residual TPH concentrations for the final confirmation excavation soil samples. Residual impacts left in place within the containment are characterized by confirmation soil samples FS18 through FS29 with TPH concentrations ranging from 4,060 mg/kg to 17,400 mg/kg.

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

DELINEATION SOIL SAMPLING ACTIVITIES

On April 16, 2024, Etech advanced one additional delineation pothole (PH15) to 4 feet bgs to assess the presence of impacts within the southern portion of the AOC, which was driven by field screening soil samples for VOCs and chloride, as previously described. Two delineation soil samples were collected from PH15, representing the highest observed field screening concentrations and the greatest depth. Soil samples were handled and analyzed as previously described. Field screening results and observations for delineation soil samples were recorded on a soil sampling log, which is included as **Appendix F**. The location of all delineation soil samples to date are displayed in **Figure 2** in **Appendix A**.

Deferral Request Report Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009



DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil sample PH15 indicated the concentrations of the COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

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 guidelines to ensure the health and safety of on-site personnel and for structural integrity of utilities. In all areas where excavation was not limited, residual impacts were removed in accordance with the applicable Site Closure Criteria. As a result, residual impacts appear to solely reside below the EBTBC up to 6 feet bgs (Figure 3 in Appendix A), which have been vertically and horizontally delineated by the fourteen potholes in the approved SCRP in conjunction with the excavation and delineation soil samples presented in this DRR. As such, WPX respectfully requests deferral of approximately 1,300 CY of residual impacted soil beneath the EBTBC until the Site undergoes major facility deconstruction or P&A, whichever comes first.

WPX believes the timely initial response mitigated impacts at the Site and that the completed corrective actions meet the requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater. NFA appears warranted at this time and Incident Numbers nAPP2317840368 and nAPP2322658221 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 Gilbert Moreno at (832) 541-7719 or gilbert@etechenv.com. Documentation of correspondence and notifications regarding Incident Numbers nAPP2317840368 and nAPP2322658221 is presented as **Appendix G**. The approved SCRP may be referenced in **Appendix H**.

Joseph S. Hernandez

Senior Managing Geologist

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Gilbert Moreno Project Geologist

cc: Jim Raley, WPX

New Mexico Oil Conservation Division

Bureau of Land Management

Deferral Request Report Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009



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: Excavation and Delineation Soil Sample Locations

Figure 3: Deferral Area

Appendix B: Referenced Well Records

Appendix C: Photographic Log

Appendix D: Tables

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

Appendix F: Soil Sampling Log

Appendix G: Correspondence & Notifications

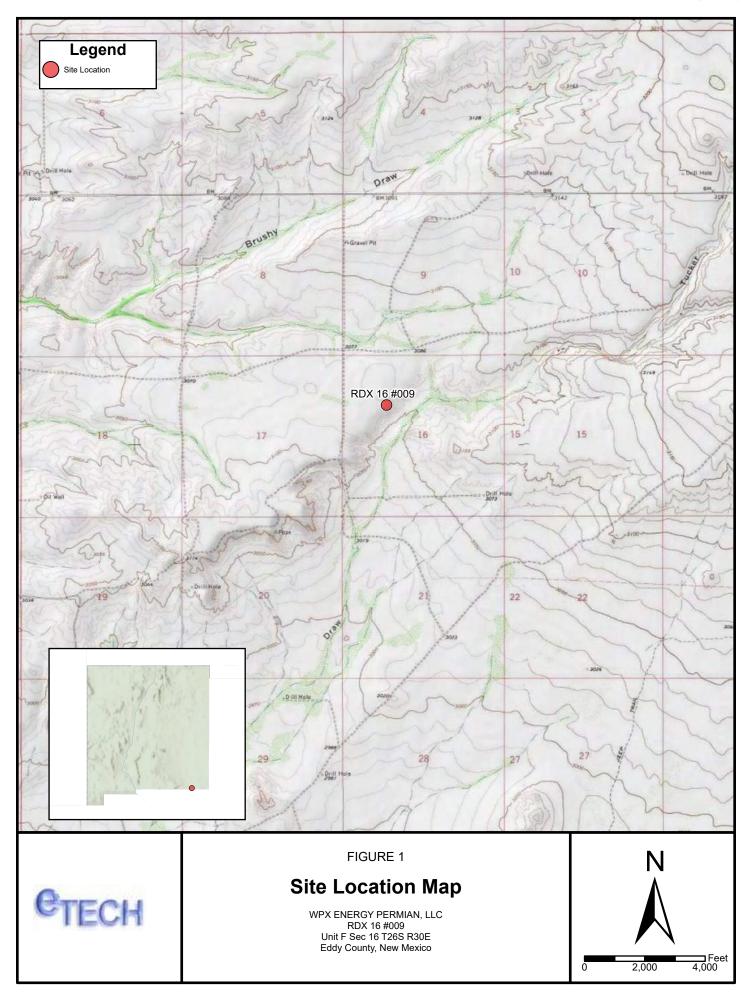
Appendix H: Archived Reports

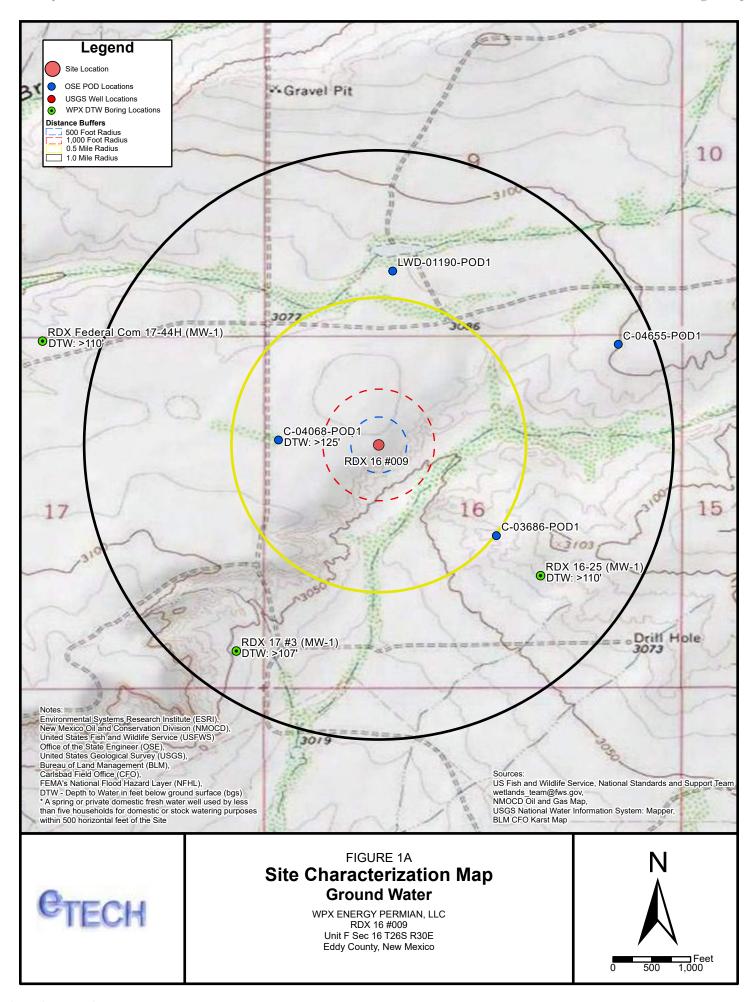
APPENDIX A

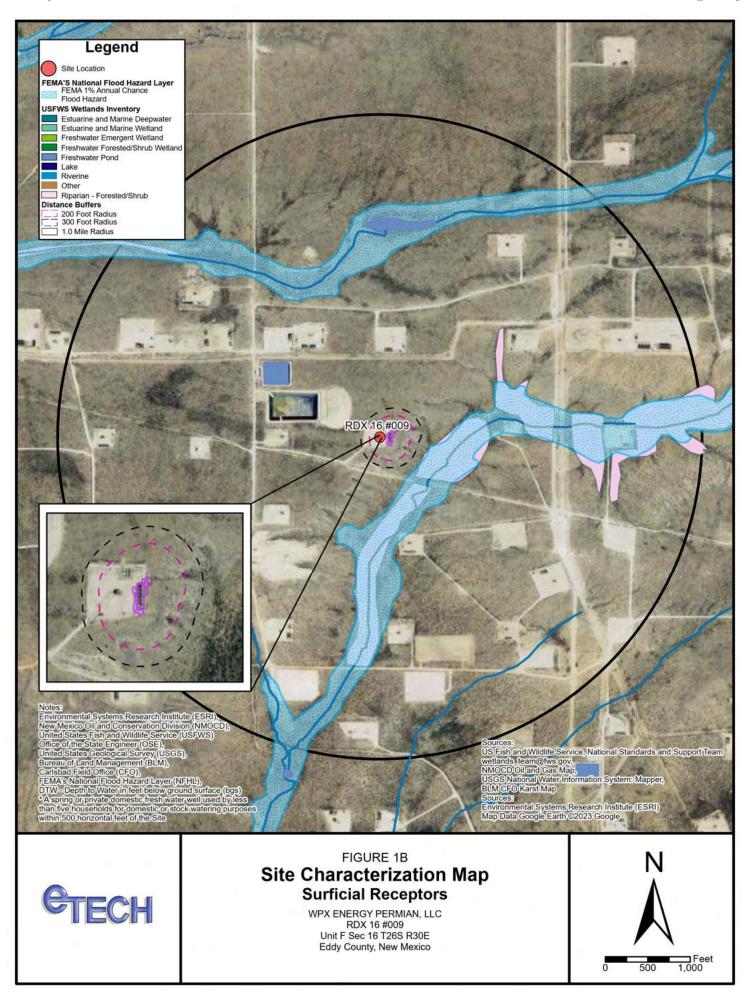
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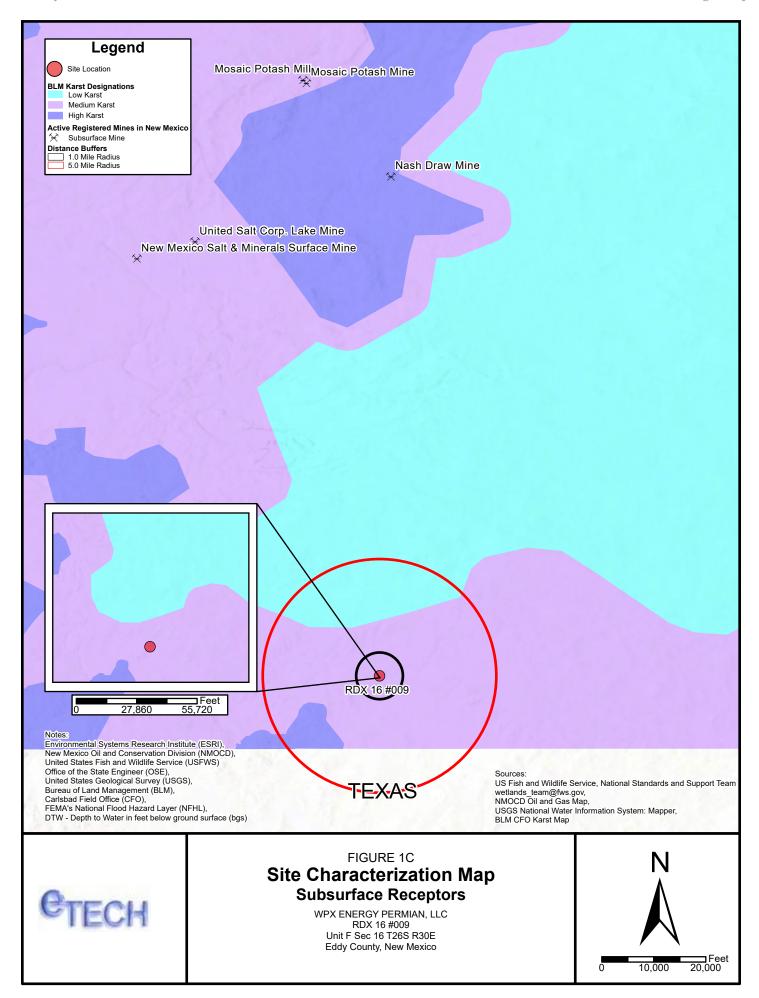
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

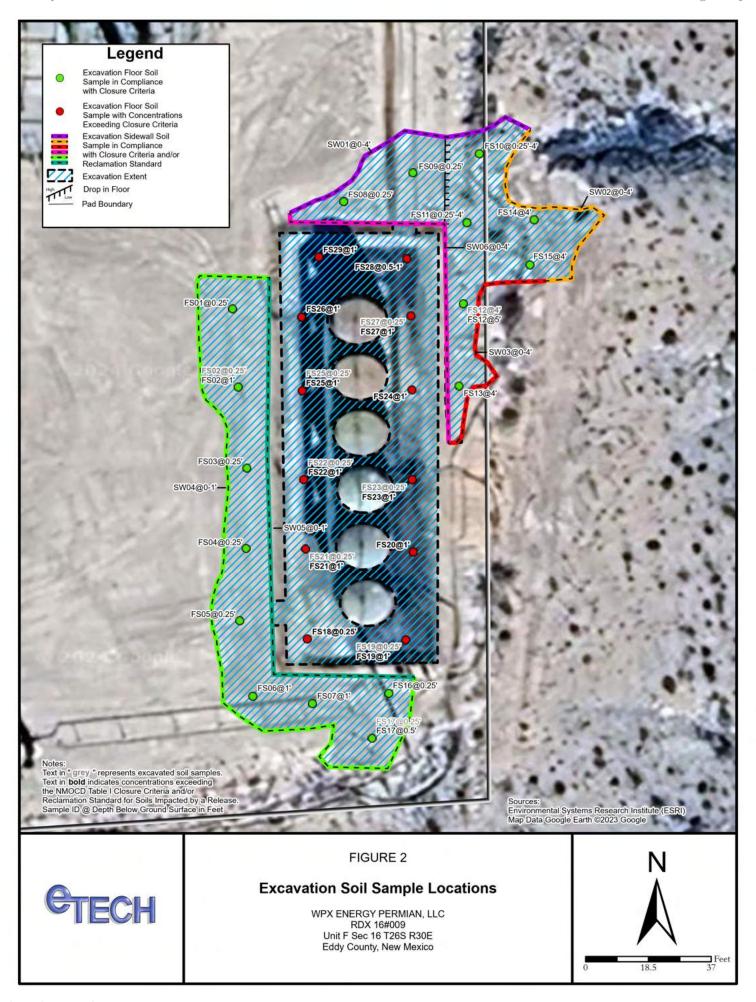


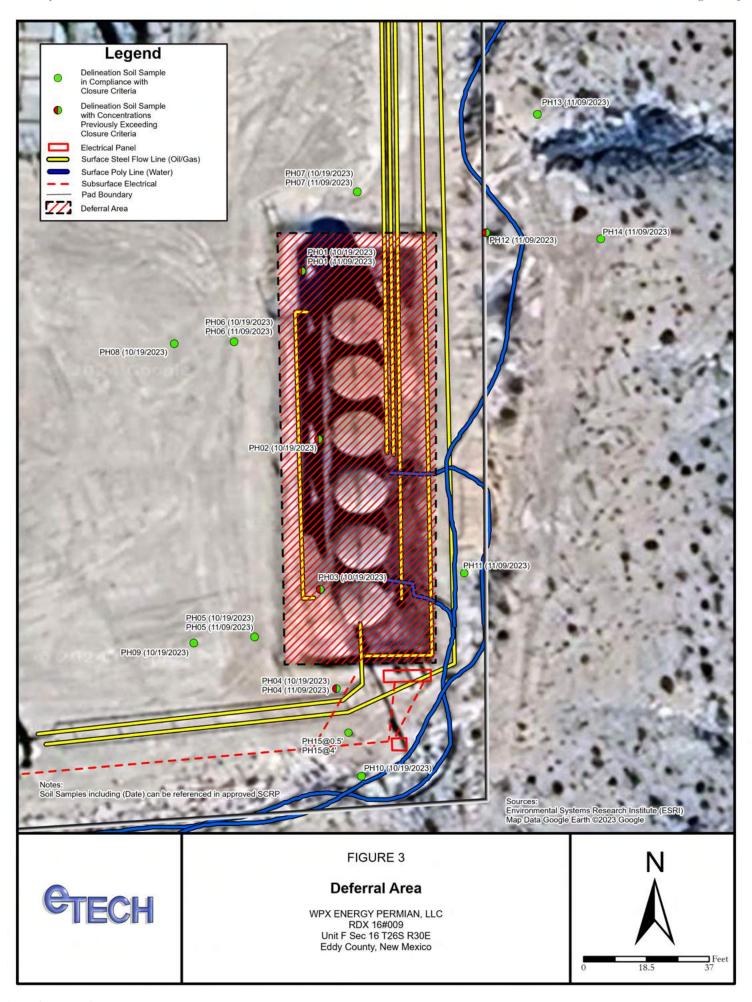












APPENDIX B

Referenced Well Records

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







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Tom Blaine, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 606777 File Nbr:

C 04068

Well File Nbr: C 04068 POD1

Jun. 12, 2017

JUSTIN BARMORE RKI EXPLORATION AND PRODUCTION LLC 3500 ONE WILLIAMS CENTER MD 35 TULSA, OK 74172

Greetings:

The above numbered permit was issued in your name on 05/08/2017.

The Well Record was received in this office on 05/17/2017, stating that it had been completed on 05/12/2017, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/15/2018.

If you have any questions, please feel free to contact us.

Sincerely,

(575) 622-6521

drywell

APPENDIX Ô

Photographic Log

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





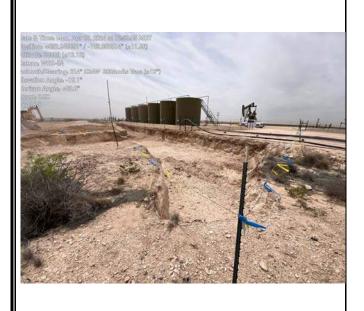
PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #009 nAPP2322658221 & nAPP2317840368

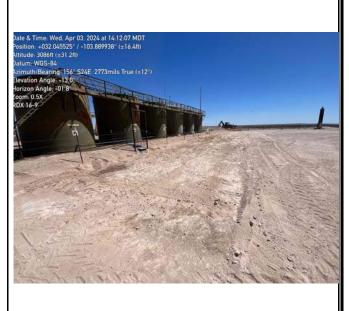


Photograph 1 Date: 04/03/2024

Description: Northeastern view during excavation activities.



Photograph 3 Date: 04/08/2024 Description: Southwestern view of exc vation extent.



Photograph 2 Date: 04/03/2024

Description: Southeastern view during excavation activities.



Photograph 4 Date: 04/26/2024 Description: Southeastern view of exc vation extent.



PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #009 nAPP2322658221 & nAPP2317840368



Ditors Time Tox Sery Ca 2016 of 107.22 AB MD Troposition of the Part of 100 and 100 an

Photograph 5 Date: 05/08/2024 Description: Northwestern view of excavation extent.

Photograph 6 Date: 05/14/2024 Description: Southeastern view of Site restoration.





Date: 05/14/2024

Photograph 7 Date: 05/14/2024
Description: Northeastern view of Site

Description: Southeastern view of Site

restoration.

restoration.

Photograph 8

APPENDIX Ö

Tables

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Received by OCD: 8/6/2024 4:43:36 PM



Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #009 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
MOCD Table I Closu delease (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
			Del	ineation Soil Samples	- Incident Numbers n	APP2317840368 & nA	PP2322658221			
PH15	04/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	357
PH15	04/16/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	934
			Exc	cavation Soil Samples	- Incident Numbers n	APP2317840368 & nAI	PP2322658221			
FS01	04/08/2024	0.25	<0.0250	<0.0500	<20.0	895	<100	895	895	2,820
FS02	04/08/2024	0.25	<0.0250	<0.0500	<20.0	4,830	<250	4,830	4,830	5,420
FS02	04/26/2024	1	<0.0250	<0.0500	<20.0	646	457	646	1,103	1,710
FS03	04/08/2024	0.25	<0.0250	<0.0500	<20.0	589	669	589	1,260	9,210
FS04	04/08/2024	0.25	<0.0250	<0.0500	<20.0	603	<100	603	603	10,300
FS05	04/08/2024	0.25	<0.0250	<0.0500	<20.0	592	732	592	1,320	10,500
FS06	04/08/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,600
FS07	04/08/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,600
FS08	04/08/2024	0.25	<0.0250	<0.0500	<20.0	40.3	<50.0	40.3	40.3	15,700
FS09	04/08/2024	0.25	<0.0250	<0.0500	<20.0	58.5	<50.0	58.5	58.5	15,400
FS10 [†]	04/08/2024	0.25-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,370
FS11 [†]	04/08/2024	0.25-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,290
FS12 [†]	04/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20,300
FS12 [†]	04/19/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,800
FS13 [†]	04/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	19,900
FS14 [†]	04/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080
FS15 [†]	04/08/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,080
FS16	04/08/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,300
FS17	04/08/2024	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20,100
FS17	04/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	842
FS18	05/082024	1	<0.0250	<0.0500	<20.0	3,610	1,800	3,610	5,410	12,400
FS19	04/16/2024	0.25	<0.0250	0.558	24.9	24,700	15,200	24,700	39,900	6,270
FS19	05/082024	1	<0.0250	<0.0500	<20.0	6,480	4,850	6,480	11,330	14,500
FS20	05/082024	1	<0.0250	<0.0500	<20.0	7,420	5,430	7,420	12,850	11,400
FS21	04/16/2024	0.25	<0.0250	0.754	27.8	8,590	4,370	8,620	13,000	5,050
FS21	05/082024	1	<0.0250	<0.0500	<20.0	7,640	5,880	7,640	13,500	10,400



Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC **RDX 16 #009 Eddy County, New Mexico**

3										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closu Release (NMAC 19.15.		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
			Ex	cavation Soil Samples	- Incident Numbers n	APP2317840368 & nAF	PP2322658221			
FS22	04/16/2024	0.25	<0.0250	2.19	<20.0	22,300	13,600	22,300	35,900	6,240
FS22	05/082024	1	<0.0250	<0.0500	<20.0	2,760	2,130	2,760	4,890	5,670
FS23	04/16/2024	0.25	<0.0250	1.37	42.2	22,100	10,800	22,100	32,900	12,200
FS23	05/082024	1	<0.0250	<0.0500	<20.0	7,200	5,220	7,200	12,420	10,400
FS24	05/082024	1	<0.0250	<0.0500	<20.0	2,810	1,950	2,810	4,760	5,900
FS25	04/16/2024	0.25	<0.0250	0.317	<20.0	27,900	15,200	27,900	43,100	20,900
FS25	05/082024	1	<0.0250	<0.0500	<20.0	2,450	1,610	2,450	4,060	6,050
FS26	05/082024	1	<0.0250	<0.0500	<20.0	3,310	2,020	3,310	5,330	11,400
FS27	04/16/2024	0.25	<0.0250	0.322	<20.0	27,500	15,400	27,500	42,900	19,600
FS27	05/082024	1	<0.0250	<0.0500	<20.0	3,030	1,800	3,030	4,830	12,400
FS28	05/082024	0.5-1	<0.0250	<0.0500	<20.0	10,500	6,800	10,500	17,400	4,640
FS29	05/082024	1	<0.0250	<0.0500	<20.0	10,100	6,760	10,100	16,860	5,820
SW01 [†]	04/08/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.5
SW02 [†]	04/08/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.3
SW03 [†]	04/08/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.4
SW04	04/08/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.8
SW05	04/08/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,750
SW06	04/08/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,100

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.

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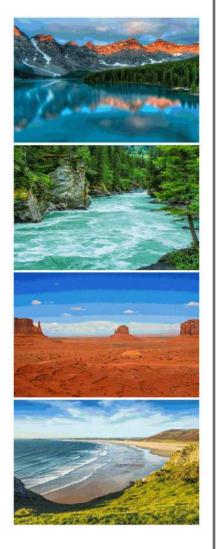
APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

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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 #009

Work Order: E404160

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/24/24

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: 4/24/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404160

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/24/24 14:30

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH15 0.5'	E404160-01A Soil	04/16/24	04/18/24	Glass Jar, 2 oz.
PH15 4'	E404160-02A Soil	04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/24/2024 2:30:22PM

PH15 0.5' E404160-01

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2416098
Benzene	ND	0.0250	1	1	04/18/24	04/18/24	
Ethylbenzene	ND	0.0250	1	1	04/18/24	04/18/24	
Toluene	ND	0.0250	1	1	04/18/24	04/18/24	
o-Xylene	ND	0.0250	1	1	04/18/24	04/18/24	
p,m-Xylene	ND	0.0500	1	1	04/18/24	04/18/24	
Total Xylenes	ND	0.0250	1	1	04/18/24	04/18/24	
Surrogate: Bromofluorobenzene		92.8 %	70-130		04/18/24	04/18/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/18/24	04/18/24	
Surrogate: Toluene-d8		99.1 %	70-130		04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS			Batch: 2416098
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/18/24	04/18/24	
Surrogate: Bromofluorobenzene		92.8 %	70-130		04/18/24	04/18/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/18/24	04/18/24	
Surrogate: Toluene-d8		99.1 %	70-130		04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2416127
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/19/24	04/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/19/24	04/20/24	
Surrogate: n-Nonane		94.0 %	50-200		04/19/24	04/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2416096



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/24/2024 2:30:22PM

PH15 4' E404160-02

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst	: RAS		Batch: 2416098
Benzene	ND	0.0250	1		04/18/24	04/18/24	
Ethylbenzene	ND	0.0250	1		04/18/24	04/18/24	
Toluene	ND	0.0250	1		04/18/24	04/18/24	
o-Xylene	ND	0.0250	1		04/18/24	04/18/24	
p,m-Xylene	ND	0.0500	1		04/18/24	04/18/24	
Total Xylenes	ND	0.0250	1		04/18/24	04/18/24	
Surrogate: Bromofluorobenzene		91.3 %	70-130		04/18/24	04/18/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/18/24	04/18/24	
Surrogate: Toluene-d8		99.2 %	70-130		04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst	: RAS		Batch: 2416098
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/18/24	04/18/24	
Surrogate: Bromofluorobenzene		91.3 %	70-130		04/18/24	04/18/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/18/24	04/18/24	
Surrogate: Toluene-d8		99.2 %	70-130		04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst	: KM		Batch: 2416127
Diesel Range Organics (C10-C28)	ND	25.0	1		04/19/24	04/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1		04/19/24	04/20/24	
Surrogate: n-Nonane		93.4 %	50-200		04/19/24	04/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst	: IY		Batch: 2416096
Chloride	934	200	10)	04/18/24	04/19/24	

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/24/2024 2:30:22PM **Volatile Organic Compounds by EPA 8260B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2416098-BLK1) Prepared: 04/18/24 Analyzed: 04/18/24 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 0.463 0.500 92.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.497 0.500 99.4 70-130 0.500 101 70-130 Surrogate: Toluene-d8 0.503 LCS (2416098-BS1) Prepared: 04/18/24 Analyzed: 04/18/24 2.09 0.0250 2.50 83.4 70-130 Benzene 2.50 70-130 2.13 85.4 Ethylbenzene 0.0250 2.24 0.0250 2.50 89.6 70-130 87.9 70-130 2.20 0.0250 2.50 o-Xylene 4.40 5.00 88.0 70-130 p,m-Xylene 0.0500 6.60 0.0250 7.50 88.0 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.470 0.500 93.9 70-130 0.500 94.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.471 70-130 Surrogate: Toluene-d8 0.485 0.500 Matrix Spike (2416098-MS1) Source: E404158-28 Prepared: 04/18/24 Analyzed: 04/18/24 2.18 0.0250 2.50 ND 87.3 48-131 45-135 Ethylbenzene 2.13 0.0250 2.50 ND 85.2 90.5 48-130 Toluene 2.26 0.0250 2.50 ND 2.16 0.0250 2.50 ND 86.5 43-135 o-Xylene 4.36 5.00 ND 87.2 43-135 p,m-Xylene 0.0500 Total Xylenes 6.52 0.0250 7.50 ND 87.0 43-135 Surrogate: Bromofluorobenzene 0.477 0.500 95.4 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.505 0.500 70-130 0.497 99.4 Surrogate: Toluene-d8 Matrix Spike Dup (2416098-MSD1) Source: E404158-28 Prepared: 04/18/24 Analyzed: 04/18/24 2.30 0.0250 2.50 ND 92.0 48-131 5.18 23 2.26 0.0250 2.50 ND 90.6 45-135 6.10 27 Ethylbenzene ND 48-130 6.73 24 2.42 2.50 96.8 Toluene 0.0250 o-Xylene 2.28 0.0250 2.50 ND 91.2 43-135 5.31 27 5.00 ND 91.6 43-135 4.92 27 4.58 p,m-Xylene 0.0500 27 6.86 0.0250 7.50 ND 91.5 43-135 5.05 Total Xylenes



0.500

0.500

0.500

95.8

101

99.6

70-130

70-130

70-130

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.479

0.504

0.498

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno4/24/20242:30:22PM

Nonhalogenated	Organics by	EPA	8015D -	GRO

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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416098-BLK1)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
LCS (2416098-BS2)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
Matrix Spike (2416098-MS2)	0.312			Source:	E404158-2	28	Prepared: 0	4/18/24 An	alyzed: 04/18/24
	54.0	20.0	50.0	Source:	E404158-2	70-130	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Matrix Spike (2416098-MS2)		20.0					Prepared: 0	4/18/24 An	alyzed: 04/18/24
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10)	54.0	20.0	50.0		108	70-130	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	54.0 0.467	20.0	50.0		108 93.4	70-130 70-130	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	54.0 0.467 0.489	20.0	50.0 0.500 0.500	ND	108 93.4 97.8	70-130 70-130 70-130 70-130			
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	54.0 0.467 0.489	20.0	50.0 0.500 0.500	ND	108 93.4 97.8 101	70-130 70-130 70-130 70-130			alyzed: 04/18/24 alyzed: 04/18/24
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2416098-MSD2)	54.0 0.467 0.489 0.505		50.0 0.500 0.500 0.500	ND Source:	108 93.4 97.8 101 E404158-2	70-130 70-130 70-130 70-130	Prepared: 0	4/18/24 An	
Matrix Spike (2416098-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2416098-MSD2) Gasoline Range Organics (C6-C10)	54.0 0.467 0.489 0.505		50.0 0.500 0.500 0.500	ND Source:	108 93.4 97.8 101 E404158-2	70-130 70-130 70-130 70-130 28	Prepared: 0	4/18/24 An	



WPX Energy - Carlsbad	Project Name: RD	OX 16 #009	Reported:
5315 Buena Vista Dr	Project Number: 010	058-0007	
Carlsbad NM, 88220	Project Manager: Gil	bert Moreno	4/24/2024 2:30:22PM

	Project Manager	r: G1	ibert Moreno	1				4/24/2024 2:30:22PN
Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	ORO/			Analyst: KM
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
ND	25.0							
ND	50.0							
47.6		50.0		95.2	50-200			
						Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
248	25.0	250		99.1	38-132			
45.2		50.0		90.5	50-200			
			Source:	E404159-2	28	Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
244	25.0	250	ND	97.6	38-132			
46.6		50.0		93.2	50-200			
			Source:	E404159-2	28	Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
246	25.0	250	NID	00.2	20 122	0.624	20	
246	25.0	230	ND	98.2	36-132	0.024	20	
	Result mg/kg ND ND 47.6 248 45.2	Nonhalogenated Organization Reporting Limit mg/kg Limit mg/kg ND 25.0 ND 50.0 47.6 248 25.0 45.2 244 25.0 46.6	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 8015 Result	Nonhalogenated Organics by EPA 8015D - DRO.	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg % % % % % % % % %	Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % %



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 .058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/24/2024 2:30:22PM
		Anions l	by EPA 3	00.0/9056 <i>A</i>					Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416096-BLK1)							Prepared: 0	4/18/24 A	analyzed: 04/19/24
Chloride	ND	20.0							
LCS (2416096-BS1)							Prepared: 0	4/18/24 A	analyzed: 04/19/24
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2416096-MS1)				Source:	E404153-	03	Prepared: 0	4/18/24 A	analyzed: 04/19/24
Chloride	325	20.0	250	65.6	104	80-120			
Matrix Spike Dup (2416096-MSD1)				Source:	E404153-	03	Prepared: 0	4/18/24 A	analyzed: 04/19/24
Chloride	337	20.0	250	65.6	109	80-120	3.72	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 #009	
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/24/24 14:30

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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Client: V	VPX Energ	y Permia	in, LLC.	parent from		Bill To			Lab Use Only							TAT					EPA P	rogram
Project: RDX 16 #009 Attention: Jim Raley					Raley		Lab	WO#			Job Number 0(058-0007				1D	2D	3D	3D Standard		CWA	SDWA	
	Manager:				Address: 5315 E	Buena Vista Dr.		E	104	116	Oc	00	58-	000	7				5 da	y TAT		
	: 13000 W				City, State, Zip:	Carlsbad, NM, 88220						Analy	sis ar	nd Me	tho	d						RCRA
City, Sta	te, Zip_O	lessa,TX,	79765		Phone: 575-885	5-7502																
hone: 832-541-7719 Email: jim.raley@dvn.com					@dvn.com			8015												State		
Email: D	evon-tear	n@etech	env.com		WO: 21191055				by										1	VM CO	UT AZ	TX
2					Incident ID: nAP	P2322658221,			ORO													
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Collecte	d by: Edyt	e Konan						Œ	0/0	v 80.	826	601	e 30		Ani					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	верос		GDOC			Remarks	
10:30	04.15.24	S	1		PH15		1	0.5'	9							х						
10:40	04.16.24	S	1		PH15		Z	4'								x						
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date or time	e of collection	is considere		may be grounds for		with or intentionally mislabell mpled by: GM	ng the samp	ne loca	uon,			F6 510 (5 0)									sequent days.	presi or
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Sample Mai	trix: S - Soil, S	d - Solid, Sg	Sludge, A -	Aqueous, O - Other			Container	Type	: g - g	lass,	p - p	oly/p	lasti	c, ag -	ami	oer gl	ass, v	v - VO	A			
						nts are made. Hazardous s	amples wil	be re	turnec	to cl	ient c	or dispo	osed	of at th	ne cli	ent ex	pense	. The	report	for the ar	nalysis of th	e above
samples is	applicable of	nly to thos	se samples	received by the la	boratory with this COC. Th	he liability of the laborator	is limited	to the	amou	nt pai	id for	on the	е герс	ort.								- 11



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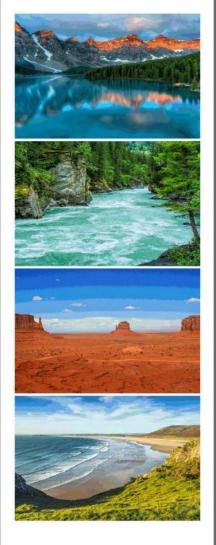
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Envirotech Analytical Laboratory

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 Date Received: 04/18/24 07:45 Work Order ID: E404160 Client: Date Logged In: 04/18/24 08:59 Logged in By: Angelina Pineda Phone: (539) 573-4018 Due Date: 04/24/24 17:00 (4 day TAT) Email: devon-leam@etechenv.com Chain of Custody (COC) 1. Does the sample ID match the COC? Yes 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes Carrier: Courier Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, Comments/Resolution i.e. 15 minute hold time, are not included in this dispession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? Nο NA 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes Yes 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Yes Sample ID? Date/Time Collected? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No NA 22. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No NΑ 29. Was a subcontract laboratory specified by the client and if so who? Subcontract Lab: NA **Client Instruction**

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 16-9H

Work Order: E404077

Job Number: 01058-0007

Received: 4/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H

Workorder: E404077

Date Received: 4/10/2024 10:28:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 10:28:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Donoutoda
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:09

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS01 0.25'	E404077-01A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS02 0.25'	E404077-02A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS03 0.25'	E404077-03A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS04 0.25'	E404077-04A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS05 0.25'	E404077-05A Soil	04/08/24	04/10/24	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

FS01 0.25' E404077-01

E4040//-01							
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Analyte	Resuit	Liiiit	Dilution	Frepared	Anatyzeu	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2415039	
Benzene	ND	0.0250	1	04/10/24	04/11/24		
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24		
Toluene	ND	0.0250	1	04/10/24	04/11/24		
-Xylene	ND	0.0250	1	04/10/24	04/11/24		
,m-Xylene	ND	0.0500	1	04/10/24	04/11/24		
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24		
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	04/10/24	04/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2415039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	04/10/24	04/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2415051	
Diesel Range Organics (C10-C28)	895	50.0	2	04/11/24	04/12/24		
Dil Range Organics (C28-C36)	ND	100	2	04/11/24	04/12/24		
Surrogate: n-Nonane		107 %	50-200	04/11/24	04/12/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2415048	
Chloride	2820	100	5	04/11/24	04/12/24		



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

FS02 0.25' E404077-02

E4940//-92						
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thayte	Result	Emit	Bilation	Trepared	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: EG		Batch: 2415039
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
o,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: EG		Batch: 2415039
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2415051
Diesel Range Organics (C10-C28)	4830	125	5	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	250	5	04/11/24	04/12/24	
Surrogate: n-Nonane		111 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2415048
Chloride	5420	100	5	04/11/24	04/12/24	
Anions by EPA 300.0/9056A Chloride					04/12/24	Batch: 24150



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

FS03 0.25'

E404077-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: EG		Batch: 2415039
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2415039
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2415051
Diesel Range Organics (C10-C28)	589	50.0	2	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	669	100	2	04/11/24	04/12/24	
Surrogate: n-Nonane		117 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2415048
Chloride	9210	200	10	04/11/24	04/13/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

FS04 0.25'

E404077-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2415039
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2415039
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2415051
Diesel Range Organics (C10-C28)	603	50.0	2	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	100	2	04/11/24	04/12/24	
Surrogate: n-Nonane		113 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2415048
Chloride	10300	200	10	04/11/24	04/13/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

FS05 0.25' E404077-05

		E404077-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: EG		Batch: 2415039
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2415039
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2415051
Diesel Range Organics (C10-C28)	592	50.0	2	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	732	100	2	04/11/24	04/12/24	
Surrogate: n-Nonane		114 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2415048
Chloride	10500	200	10	04/11/24	04/13/24	



		QC 50	41111116	ny Data					
WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16-9H .058-0007 ilbert Moreno				4/1	Reported: 6/2024 2:09:28PM
Carisbad Nivi, 88220		Project Manager:	Gi	ilbert Moreno				4/1	0/2024 2.09.28FW
		Volatile O	rganics b	y EPA 8021	l B				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 (2415039-BLK1)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24
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	7.47		8.00		93.4	70-130			
LCS (2415039-BS1)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.51	0.0250	5.00		90.2	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.5	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		92.9	70-130			
Matrix Spike (2415039-MS1)				Source: H	E 404077 -	04	Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.56	0.0250	5.00	ND	91.2	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
p-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			
Matrix Spike Dup (2415039-MSD1)				Source: F	E 40407 7-	04	Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.58	0.0250	5.00	ND	91.6	54-133	0.465	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	0.694	20	
Toluene	4.91	0.0250	5.00	ND	98.3	61-130	0.632	20	
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131	0.762	20	
p,m-Xylene	10.2 15.2	0.0500	10.0	ND ND	102	63-131 63-131	0.690 0.714	20 20	

8.00

7.12

89.0

70-130



Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name:	RDX 16-9H 01058-0007	Reported:
Carlsbad NM, 88220	Project Number: Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/10	5/2024 2:09:28PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		ı	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 (2415039-BLK1)							Prepared: 0-	4/10/24 Analy	zed: 04/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.6	70-130			
LCS (2415039-BS2)							Prepared: 0-	4/10/24 Analy	zed: 04/11/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
Matrix Spike (2415039-MS2)				Source:	E404077-	04	Prepared: 0	4/10/24 Analy	zed: 04/11/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike Dup (2415039-MSD2)				Source:	E404077-	04	Prepared: 0	4/10/24 Analy	zed: 04/11/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	0.185	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:09:28PM

Curisbua 1411, 00220		Troject Manage	. 01	ioeri ivioreno					
	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 (2415051-BLK1)							Prepared: 0-	4/11/24 An	alyzed: 04/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.7		50.0		113	50-200			
LCS (2415051-BS1)							Prepared: 0	4/11/24 An	alyzed: 04/11/24
Diesel Range Organics (C10-C28)	322	25.0	250		129	38-132			
Surrogate: n-Nonane	60.7		50.0		121	50-200			
Matrix Spike (2415051-MS1)				Source:	E404067-	01	Prepared: 0	4/11/24 An	alyzed: 04/11/24
Diesel Range Organics (C10-C28)	324	25.0	250	ND	129	38-132			
Surrogate: n-Nonane	60.3		50.0		121	50-200			
Matrix Spike Dup (2415051-MSD1)				Source:	E404067-	01	Prepared: 0	4/11/24 An	alyzed: 04/11/24
Diesel Range Organics (C10-C28)	323	25.0	250	ND	129	38-132	0.146	20	
Surrogate: n-Nonane	59.0		50.0		118	50-200			



WPX Energy - Carlsbad		Project Name:	RI	OX 16-9H					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager	: Gi	lbert Moreno					4/16/2024 2:09:28PM
		Anions	by EPA 3	00.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415048-BLK1)							Prepared: 0-	4/11/24 A	nalyzed: 04/12/24
Chloride	ND	20.0							
LCS (2415048-BS1)							Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2415048-MS1)				Source:	E404076-0)1	Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	18900	400	250	17600	524	80-120			M4
Matrix Spike Dup (2415048-MSD1)				Source:	E404076-0)1	Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	18800	400	250	17600	468	80-120	0.750	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 16-9H	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:09

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.



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ity, State, Zip_C				Phone: 575-885-7502	,0220		3			-ilaly.	313 011	T	T	Т	1				110				
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ollected by: Gilb	ert More	no		Incident ID: See Remarks		t.)	ft.)	7	2	£.	3/DR	802	8260	5010	30		Anic	1111111		¥	×		
Time Date Sampled Sampled	Matrix	No. of Containers		Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC		Remarks					
11:30 4.9.24	s	1		FS01	1 2	0.25'								х			nAP	P232265	8221				
11:40 4.9.24	s	GAZI		FS02	2	0.25								х			nAP	P231784	0368				
11:50 4.9.24	S	931		FS03	3	0.25								х									
12:00 4.9.24	s	a Al		FS04	4	0.25								х									
12:10 4.9.24		54.51		FS05	5	0.25								х									
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or disposed of at the client expense. The report for the analysis of the paid for on the report.

Page 8

Control of the client expense. The report for the analysis of the paid for on the report.

Page 88 of 630

envirotech Inc.

Printed: 4/10/2024 2:17:32PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	04/10/24	10:28		Work Order ID:	E404077
Phone:	(539) 573-4018	Date Logged In:	04/10/24	10:28		Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)		88	
	<u> </u>						
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 mate	the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	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 disucssion					Comment	s/Resolution
Sample 7	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	, were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C, i	.e. 6°±2°C	Yes				
12, 1,45	Note: Thermal preservation is not required, if samples are minutes of sampling		103				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
Sample (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				
17. Was 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 containe	ers collected?	Yes				
Field Lal	pel						
	field sample labels filled out with the minimum infor	mation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
	<u>Preservation</u>						
	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				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphase		No				
27. If yes	, does the COC specify which phase(s) is to be analyzed	zed?	NA				
Subcontr	act Laboratory						
	amples 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	o: NA		
Client I	nstruction						
<u>CHCHT II</u>	isti uction						

Date

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

Project In	formation

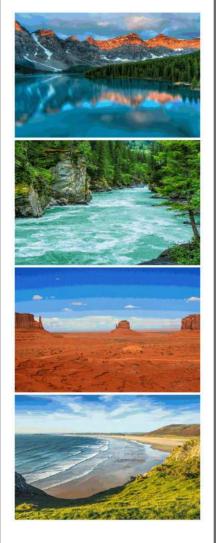
Chain of Custody

Page	of(_	Received by OCD: 8/6/2024 4:43:36 PM
rogram		0
SDWA		2
RCRA		8
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Client: W	PX	Energ	y Permia	n, LLC					В	ill To	ALC: N	5			La	ab Us	se Or	lv	-				TA	T		EPA P	rogram
Project: P							Atte	ntion:	Jim Raley				Lab	WO#	1		Job	Num	ber		1D	2D	3D		andard	CWA	SDWA
Project N							Addr	ess: 5	315 Buena	Vista Dr.			EL	101	10	77	101	DK	ω	DH				5 D	ay TAT		
Address:	_						City,	State,	Zip: Carls	bad, NM, 882	20		terroren e				Analy						TO PERSON				RCRA
City, Stat				79765			Phor	ne: 575	5-885-7502	2				by		No.			MA								
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Time Sampled		ate npled	Matrix	No. of Containers				Sample	e ID		1 200	ab mber	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC			Remarks	
11:30	4.5	.24	S	1				FS01				1	0.25								X				nAP	P232265	8221
11:40	4.5	.24	S	GAZI				FS02	2		1	2	0.25								X				nAP	P231784	0368
11:50	4.	9.24	S	9181				FS03	3		3	3	0.25								X						
12:00	4.5	.24	S	a Al				FS04	1		L	1	0.25								X						
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Note: Samp	les a	are dis	carded 30 c	lays after re	esults are re	ported ur	less oth	er arrai	ngements ar	e made. Hazaro	ous sa	mples	will be	e retu	rned t	o clie	nt or	dispos	ed of	at the	clien	it exp	ense.	The	report for t	ne analysis	of the
above samp	oles i	is appl	icable only	to those sai	mples recei	ved by the	e laborat	tory wit	h this COC. T	The liability of th	e labor	atory i	s limit	ted to	the a	moun	t paid	for o	n the	report	t.						



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 16-9H

Work Order: E404268

Job Number: 01058-0007

Received: 4/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/30/24

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: 4/30/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H Workorder: E404268

Date Received: 4/29/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/29/2024 7:45:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Sample Summary

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/30/24 15:29

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS02 1'	E404268-01A Soil	04/26/24	04/29/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/30/2024 3:29:46PM

FS02 1' E404268-01

		E404200-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: EG		Batch: 2418008
Benzene	ND	0.0250	1	04/29/24	04/29/24	
Ethylbenzene	ND	0.0250	1	04/29/24	04/29/24	
Toluene	ND	0.0250	1	04/29/24	04/29/24	
o-Xylene	ND	0.0250	1	04/29/24	04/29/24	
p,m-Xylene	ND	0.0500	1	04/29/24	04/29/24	
Total Xylenes	ND	0.0250	1	04/29/24	04/29/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	04/29/24	04/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2418008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/24	04/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	04/29/24	04/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2418003
Diesel Range Organics (C10-C28)	646	50.0	2	04/29/24	04/29/24	
Oil Range Organics (C28-C36)	457	100	2	04/29/24	04/29/24	
Surrogate: n-Nonane		97.1 %	50-200	04/29/24	04/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2418001
Chloride	1710	40.0	2	04/29/24	04/29/24	

				•					
WPX Energy - Carlsbad		Project Name:	R	DX 16-9H					Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					-
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/30/2024 3:29:46PM
		Volatile O	rganics l	by 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 (2418008-BLK1)							Prepared: 0	4/29/24	Analyzed: 04/29/24
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	7.20		8.00		90.0	70-130			
LCS (2418008-BS1)							Prepared: 0	4/29/24	Analyzed: 04/29/24
Benzene	4.27	0.0250	5.00		85.4	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.6	70-130			
Toluene	4.26	0.0250	5.00		85.2	70-130			
o-Xylene	4.17	0.0250	5.00		83.3	70-130			
p,m-Xylene	8.51	0.0500	10.0		85.1	70-130			
Total Xylenes	12.7	0.0250	15.0		84.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			
Matrix Spike (2418008-MS1)				Source: 1	E 404270 -	11	Prepared: 0	4/29/24	Analyzed: 04/29/24
Benzene	4.95	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.7	70-130			
Matrix Spike Dup (2418008-MSD1)				Source: 1	E 404270 -	11	Prepared: 0	4/29/24	Analyzed: 04/29/24
Benzene	4.99	0.0250	5.00	ND	99.8	54-133	0.906	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133	1.07	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	1.07	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131	0.966	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.24	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131	1.15	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/30/2024 3:29:46PM

Carlsbad NM, 88220		Project Manage		lbert Moreno				4	/30/2024 3:29:46PN
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2418008-BLK1)							Prepared: 0	4/29/24 An	alyzed: 04/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			
LCS (2418008-BS2)							Prepared: 0	4/29/24 An	alyzed: 04/29/24
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			
Matrix Spike (2418008-MS2)				Source:	E404270-	11	Prepared: 0	4/29/24 An	alyzed: 04/29/24
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.3	70-130			
Matrix Spike Dup (2418008-MSD2)				Source:	E404270-	11	Prepared: 0	4/29/24 An	alyzed: 04/29/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.7	70-130	2.30	20	

8.00

7.18

89.7

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/30/2024 3:29:46PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					1/30/2024 3:29:46PN
	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 (2418003-BLK1)							Prepared: 0	4/29/24 An	alyzed: 04/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.7		50.0		109	50-200			
LCS (2418003-BS1)							Prepared: 0	4/29/24 An	alyzed: 04/29/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
urrogate: n-Nonane	53.9		50.0		108	50-200			
Matrix Spike (2418003-MS1)				Source:	E404268-0	01	Prepared: 0	4/29/24 An	alyzed: 04/29/24
Diesel Range Organics (C10-C28)	915	50.0	250	646	108	38-132			
urrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike Dup (2418003-MSD1)				Source:	E404268-0	01	Prepared: 0	4/29/24 An	alyzed: 04/29/24
Diesel Range Organics (C10-C28)	1060	50.0	250	646	167	38-132	15.0	20	M2
Gurrogate: n-Nonane	53.9		50.0		108	50-200			



WPX Energy - Carlsbad		Project Name:	R	DX 16-9H					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		1058-0007 ilbert Moreno					4/30/2024 3:29:46PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2418001-BLK1)							Prepared: 0	4/29/24 A	nalyzed: 04/29/24
Chloride	ND	20.0							
LCS (2418001-BS1)							Prepared: 0	4/29/24 A	nalyzed: 04/29/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2418001-MS1)				Source:	E404267-	02	Prepared: 0	4/29/24 A	nalyzed: 04/29/24
Chloride	1050	20.0	250	752	120	80-120			
Matrix Spike Dup (2418001-MSD1)				Source:	E404267-	02	Prepared: 0	4/29/24 A	nalyzed: 04/29/24
Chloride	1010	20.0	250	752	104	80-120	3.94	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
1	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/30/24 15:29

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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Client: W	/PX Energ	y Permia	n, LLC			Bill To	7			L	ab U	se On	ly	Blue				TA	AT.		EPA P	ogram
Project: I	RDX 16-9	Н			At	tention: Jim Raley	7	Lab	WO#	#		Job	Num	ber	-	1D	2D	3D	Sta	andard	CWA	SDWA
Project N	/lanager:	Gilbert M	loreno		Ad	dress: 5315 Buena Vista Dr.					80	CICE	58-	000	7				24	hr TAT		
Address:	13000 W	County F	Rd 100		Cit	y, State, Zip: Carlsbad, NM, 8	8220	-		-		Analy				d						RCRA
City, Stat						one: 575-885-7502			7.								T					
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC		GDOC			Remarks	
10:30	4.26.24	S	1			FS02	1	1'								Х				nAPI	P2322658	3221
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						ther arrangements are made. Haz														enort for th	e analysis	of the
						ratory with this COC. The liability of											ir exh	Crise.	ine ie	eport for ti	ic dilaiyala	or the



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envirotech Inc.

Printed: 4/29/2024 4:55:00PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

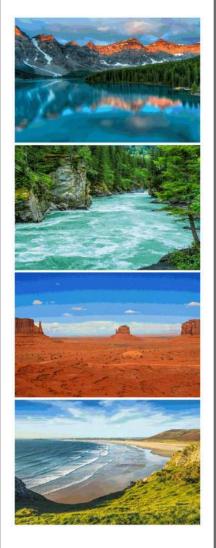
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	04/29/24	07:45	-	Work Order ID:	E404268
							Alexa Michaels
Phone: Email:	(539) 573-4018 devon-team@etechenv.com	Date Logged In: Due Date:	04/26/24	15:49 17:00 (1 day TAT)		Logged In By:	Alexa Michaels
Elliali.	de von-team@eteenenv.com	Due Date.	04/30/24	17.00 (1 day 1A1)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		0.001141		
5. Were a	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in	•				Commont	s/Resolution
~	i.e, 15 minute hold time, are not included in this disucssic	on.		Г		Comment	<u>s/Resolution</u>
	Turn Around Time (TAT)		3.7				
	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				
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	e received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	VOC 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				
18. Are 1	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							
	field sample labels filled out with the minimum info	rmation:	3.7				
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes Yes				
	Preservation		168				
	the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved m	etals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	za?	No				
	s, does the COC specify which phase(s) is to be analy						
-		zed:	NA				
	ract Laboratory	_					
	amples 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 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 16-9H

Work Order: E404076

Job Number: 01058-0007

Received: 4/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H Workorder: E404076

Date Received: 4/10/2024 10:25:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 10:25:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
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Chain of Custody etc.	12

Sample Summary

			· ·	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 13:39

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
FS06 1'	E404076-01A Soil	04/09/24 04/10/24	Glass Jar, 2 oz.
FS07 1'	E404076-02A Soil	04/09/24 04/10/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 1:39:12PM

FS06 1' E404076-01

		2101070 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: EG		Batch: 2415039
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2415039
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2415051
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/24	04/11/24	
Surrogate: n-Nonane		112 %	50-200	04/11/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2415048
Chloride	17600	400	20	04/11/24	04/12/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 1:39:12PM

FS07 1' E404076-02

Result	Reporting				
	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: EG		Batch: 2415039
ND	0.0250	1	04/10/24	04/11/24	
ND	0.0250	1	04/10/24	04/11/24	
ND	0.0250	1	04/10/24	04/11/24	
ND	0.0250	1	04/10/24	04/11/24	
ND	0.0500	1	04/10/24	04/11/24	
ND	0.0250	1	04/10/24	04/11/24	
	93.5 %	70-130	04/10/24	04/11/24	
mg/kg	mg/kg	Analy	st: EG		Batch: 2415039
ND	20.0	1	04/10/24	04/11/24	
	94.9 %	70-130	04/10/24	04/11/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2415051
ND	25.0	1	04/11/24	04/11/24	
ND	50.0	1	04/11/24	04/11/24	
	113 %	50-200	04/11/24	04/11/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2415048
14600	200	10	04/11/24	04/12/24	
	ND mg/kg ND mg/kg	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 g3.5 % mg/kg mg/kg mg/kg ND 20.0 g4.9 % mg/kg ND 25.0 ND 50.0 113 % mg/kg mg/kg mg/kg	ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 MD 70-130 mg/kg mg/kg Analy: D 20.0 1 94.9 % 70-130 mg/kg mg/kg Analy: ND 25.0 1 ND 50.0 1 113 % 50-200 mg/kg mg/kg Analy:	ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0500 1 04/10/24 ND 0.0250 1 04/10/24 mg/kg Mg/kg Analyst: EG ND 20.0 1 04/10/24 mg/kg Mg/kg Analyst: KM ND 25.0 1 04/10/24 ND 25.0 1 04/11/24 ND 50.0 1 04/11/24 ND 50.0 1 04/11/24 mg/kg mg/kg Analyst: KM	ND 0.0250 1 04/10/24 04/11/24 ND 0.0500 1 04/10/24 04/11/24 ND 0.0250 1 04/10/24 04/11/24 ND 0.0250 1 04/10/24 04/11/24 MD 0.0250 1 04/10/24 04/11/24 MD 0.0250 1 04/10/24 04/11/24 MD 0.0250 1 04/10/24 04/11/24 MB/kg mg/kg Analyst: EG ND 20.0 1 04/10/24 04/11/24 MB/kg mg/kg Analyst: KM ND 25.0 1 04/10/24 04/11/24 ND 25.0 1 04/11/24 04/11/24 ND 50.0 1 04/11/24 04/11/24 MB/kg mg/kg Analyst: KM ND 25.0 1 04/11/24 04/11/24 MB/kg mg/kg Analyst: IY



		QC 50	41111114	ny Data					
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:	01	DX 16-9H .058-0007				4/1	Reported:
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno				4/1	6/2024 1:39:12PM
		Volatile O	rganics b	y EPA 8021	B				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 (2415039-BLK1)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24
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	7.47		8.00		93.4	70-130			
LCS (2415039-BS1)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.51	0.0250	5.00		90.2	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.5	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		92.9	70-130			
Matrix Spike (2415039-MS1)				Source: F	E404077-	04	Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.56	0.0250	5.00	ND	91.2	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			
Matrix Spike Dup (2415039-MSD1)				Source: F	E 40407 7-	04	Prepared: 0	4/10/24 Anal	yzed: 04/11/24
Benzene	4.58	0.0250	5.00	ND	91.6	54-133	0.465	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	0.694	20	
Toluene	4.91	0.0250	5.00	ND	98.3	61-130	0.632	20	
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131	0.762	20	
37. 1	10.2	0.0500	10.0	ND	102	63-131	0.690	20	
p,m-Xylene	15.2	0.0300	15.0	ND ND	102	63-131	0.690	20	

8.00

7.12

70-130



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 1:39:12PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4	/16/2024 1:39:12PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	70	70	70	Notes
Blank (2415039-BLK1)							Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.6	70-130			
LCS (2415039-BS2)							Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
Matrix Spike (2415039-MS2)				Source:	E404077-	04	Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike Dup (2415039-MSD2)				Source:	E404077-	04	Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	0.185	20	

8.00

7.62

95.3

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 1:39:12PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno					4/16/2024 1:39:12PF
	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 (2415051-BLK1)							Prepared: 0	4/11/24 A	nalyzed: 04/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.7		50.0		113	50-200			
LCS (2415051-BS1)							Prepared: 0	4/11/24 A	nalyzed: 04/11/24
Diesel Range Organics (C10-C28)	322	25.0	250		129	38-132			
urrogate: n-Nonane	60.7		50.0		121	50-200			
Matrix Spike (2415051-MS1)				Source:	E404067-	01	Prepared: 0	4/11/24 A	nalyzed: 04/11/24
Diesel Range Organics (C10-C28)	324	25.0	250	ND	129	38-132			
urrogate: n-Nonane	60.3		50.0		121	50-200			
Matrix Spike Dup (2415051-MSD1)				Source:	E404067-	01	Prepared: 0	4/11/24 A	nalyzed: 04/11/24
Diesel Range Organics (C10-C28)	323	25.0	250	ND	129	38-132	0.146	20	
urrogate: n-Nonane	59.0		50.0		118	50-200			



WPX Energy - Carlsbad		Project Name:	RI	OX 16-9H					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno					4/16/2024 1:39:12PM
		Anions	by EPA 3	00.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415048-BLK1)							Prepared: 0-	4/11/24 A	nalyzed: 04/12/24
Chloride	ND	20.0							
LCS (2415048-BS1)							Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2415048-MS1)				Source:	E404076-0)1	Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	18900	400	250	17600	524	80-120			M4
Matrix Spike Dup (2415048-MSD1)				Source:	E404076-0)1	Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	18800	400	250	17600	468	80-120	0.750	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 16-9H	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 13:39

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.



4:43:30 PM
f 13
age 12 of

Client: W	PX Energ	y Permia	n, LLC		NI P	Bill To				L	ab U	Use Only				TAT				EPA P	rogram	
Project:	RDX 16-9	1			At	ttention: Jim Raley		La	b WC)#	DIAN.	Job	Nun	ber		1D	2D	3D	St	andard	CWA	SDWA
Project N	Manager:	Gilbert N	Noreno			ddress: 5315 Buena Vista 🛭	Or.	TE	ь wc	40-	76	DR	558	a	ST				5.0	Day TAT		
Address:	13000 W	County	Rd 100		Ci	ty, State, Zip: Carlsbad, NN	И, 88220					Anal	ysis a	nd M	etho	d						RCRA
City, Stat	e, Zip_Od	lessa,TX,	79765		Ph	none: 575-885-7502		R.	þ	T	T	6										
Phone: 832-541-7719 Email: jim.raley@dvn.com					9	80												State				
Email: De	evon-tear	n@etech	env.com			BS/WO: 21191055			0/0	_			0.		5	Σ	1	121211		NM CO	UT AZ	TX
Collected						cident ID: See Remarks		7 -	, OB	802	3260	010	300		Anie			¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Lab Numb	er d	TPH GRO/DRO/ORO by	8015 BTEX by 8021	BTEX by 8021 VOC by 8260	Metals 6010	Chloride 300.0	SQT	Cation/Anion	BGDOC		GDOC			Remarks	
12:20	4.9.24	S	1			FS06	1	1								х				nAP	232265	8221
12:30	4.9.24	S	and 1			FS07	2	1								Х				nAP	P231784	0368
		y Grit	6																			
_																						
Addition	al Instruc	tions:																				
					ample. I am aw	are that tampering with or intention on. Sampled by: GM	nally mislabelling the	sample	locatio	on,		0.00		ED (577)						on ice the day an 6 °C on subse		led or
	ound			9.24	11me 0930	Received by: (Signature) Wichelle Gon	,	24		930)	Rec	eive	d on i	ice:		b Us	se On	nly			
Relinquishe	ele G	onzal	les 4-1	9-24	1622	Received by: (Signature)	Gate 4.0	P. 24	Tim	71	5	T1				T2				T3		
Relinquishe	ed by: (Sign	ature)	Date U	9.24	^{Time} 2330	Received by: (Signature)	1 Date 4/10	121	J (()2=	5	AVO	G Ter	np °C		+						
	The state of the s	110111111111111111111111111111111111111		Aqueous, O - (- 79	Contai															
						other arrangements are made.											nt exp	ense.	The	report for th	ne analysis	of the



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Printed: 4/10/2024 2:15:23PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

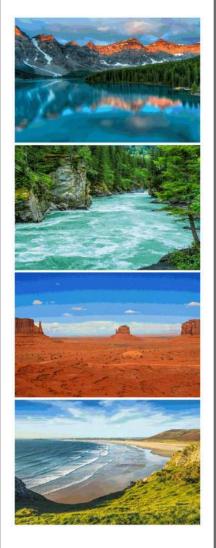
Instructions: Please take note of any NO checkmarks.

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:	04/10/24	10:25		Work Order ID:	E404076
Phone:	(539) 573-4018	Date Logged In:	04/10/24	10:25		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	04/16/24	17:00 (4 day TAT)			
	f Custody (COC)						
	the sample ID match the COC?	1.4. 000	Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	all 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			Commen	ts/Resolution
	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
7. Was a	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				
	Container		_				
	equeous 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				
		iers confecteur	108				
Field La	efield sample labels filled out with the minimum info	ation					
	Sample ID?	illiation.	Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
Sample :	Preservation						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are s	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved m	netals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	se?	No				
	s, does the COC specify which phase(s) is to be analy		NA				
		250.	1171				
	ract Laboratory		3.7				
	samples 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 I	nstruction						

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16-9H

Work Order: E404075

Job Number: 01058-0007

Received: 4/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H

Workorder: E404075

Date Received: 4/10/2024 10:17:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 10:17:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Cell: 775-287-1762

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

			•	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:11

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS08 0.25'	E404075-01A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS09 0.25'	E404075-02A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:11:29PM

FS08 0.25' E404075-01

		E4040/5-01				
A. 1.	D. Iv	Reporting	Dil di	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2415035
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
-Xylene	ND	0.0250	1	04/10/24	04/11/24	
o,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2415035
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2415093
Diesel Range Organics (C10-C28)	40.3	25.0	1	04/12/24	04/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/24	04/15/24	
Surrogate: n-Nonane		116 %	50-200	04/12/24	04/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2415048
Chloride	15700	400	20	04/11/24	04/12/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:11:29PM

FS09 0.25'

		E404075-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2415035
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2415035
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2415093
Diesel Range Organics (C10-C28)	58.5	25.0	1	04/12/24	04/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/24	04/15/24	
Surrogate: n-Nonane		113 %	50-200	04/12/24	04/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2415048
Chloride	15400	400	20	04/11/24	04/12/24	



RDX 16-9H WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/16/2024 2:11:29PM **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 (2415035-BLK1) Prepared: 04/10/24 Analyzed: 04/11/24 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 7.66 8.00 95.8 70-130 LCS (2415035-BS1) Prepared: 04/10/24 Analyzed: 04/11/24 4.83 96.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.87 0.0250 5.00 97.4 70-130 4.95 0.0250 5.00 99.1 70-130 Toluene o-Xylene 4.97 0.0250 5.00 99.4 70-130 9.96 10.0 99.6 70-130 0.0500 p.m-Xvlene 99.5 70-130 14.9 15.0 Total Xylenes 0.0250 8.00 96.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.76 Source: E404072-01 Matrix Spike (2415035-MS1) Prepared: 04/10/24 Analyzed: 04/11/24 4.80 0.0250 5.00 ND 95.9 54-133 Benzene ND 61-133 Ethylbenzene 4.80 0.0250 5.00 96.0 Toluene 4.90 0.0250 5.00 ND 98.0 61-130 4.91 ND 98.3 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.79 0.0500 10.0 ND 97.9 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.67 8.00 Matrix Spike Dup (2415035-MSD1) Source: E404072-01 Prepared: 04/10/24 Analyzed: 04/11/24 5.11 0.0250 5.00 ND 102 54-133 6.34 20 ND 61-133 6.57 5.13 0.0250 5.00 103 20 Ethylbenzene 61-130 Toluene 5.23 0.0250 5.00 ND 105 6.62 20 5.25 5.00 ND 105 63-131 6.63 20 o-Xylene 0.0250 10.5 10.0 ND 105 63-131 6.70 20 p,m-Xylene 0.0500



15.7

7.77

0.0250

15.0

8.00

ND

105

97.1

63-131

70-130

6.68

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:11:29PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/1	6/2024 2:11:29PM	
	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 (2415035-BLK1)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130				
LCS (2415035-BS2)							Prepared: 0	4/10/24 Anal	yzed: 04/11/24	
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.1	70-130				
urrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130				
Matrix Spike (2415035-MS2)				Source:	E404072-	01	Prepared: 0	4/10/24 Anal	yzed: 04/11/24	
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130				
Matrix Spike Dup (2415035-MSD2)				Source:	E404072-	01	Prepared: 0	4/10/24 Anal	yzed: 04/11/24	
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130	4.73	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130				

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:11:29PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno					4/16/2024 2:11:29PN
	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 (2415093-BLK1)							Prepared: 0	4/12/24 A	nalyzed: 04/15/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.4		50.0		101	50-200			
LCS (2415093-BS1)							Prepared: 0	4/12/24 A	nalyzed: 04/15/24
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	49.0		50.0		98.0	50-200			
Matrix Spike (2415093-MS1)				Source:	E404106-3	31	Prepared: 0	4/12/24 A	nalyzed: 04/15/24
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
urrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike Dup (2415093-MSD1)				Source:	E404106-3	31	Prepared: 0	4/12/24 A	nalyzed: 04/15/24
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	3.52	20	
urrogate: n-Nonane	53.1		50.0		106	50-200			



QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16-9H 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/16/2024 2:11:29PM
		Anions l	by EPA	300.0/9056A					Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415048-BLK1)							Prepared: 0	4/11/24 A	nalyzed: 04/12/24
Chloride	ND	20.0							
LCS (2415048-BS1)							Prepared: 0	4/11/24 A	analyzed: 04/12/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2415048-MS1)				Source: 1	E 404076- 0	01	Prepared: 0	4/11/24 A	analyzed: 04/12/24
Chloride	18900	400	250	17600	524	80-120			M4
Matrix Spike Dup (2415048-MSD1)				Source: 1	E 404076- 0	01	Prepared: 0	4/11/24 A	analyzed: 04/12/24
Chloride	18800	400	250	17600	468	80-120	0.750	20	M4

QC Summary Report Comment:

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



Definitions and Notes

	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:11

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project: RDX 16-9H

Phone: 832-541-7719

Time

Sampled

12:40

12:50

Client: WPX Energy Permian, LLC

Project Manager: Gilbert Moreno

Address: 13000 W County Rd 100

City, State, Zip Odessa, TX, 79765

Email: Devon-team@etechenv.com

Matrix

S

S

No. of

Containers

1

GXI

Collected by: Gilbert Moreno

Date

Sampled

4.9.24

4.9.24

Lab

Number

Lab WO#

TPH GRO/DRO/ORO by 8015

0.25

0.25

BTEX by 8021 VOC by 8260

Lab Use Only

E4040751010580007

Metals 6010

Job Number

Analysis and Method

TAT

×

1D 2D

Σ

BGDOC

X

Cation/Anion

TDS

3D Standard

5 Day TAT

Bill To

Attention: Jim Raley

Phone: 575-885-7502

WBS/WO: 21191055

Sample ID

FS08

FS09

Email: jim.raley@dvn.com

Incident ID: See Remarks

Address: 5315 Buena Vista Dr.

City, State, Zip: Carlsbad, NM, 88220

EPA Program

SDWA

RCRA

CWA

State NM CO UT AZ TX

Remarks

nAPP2322658221

nAPP2317840368

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, (field sampler), attest to the validity and	authenticity of this	sample. I am awa	re that tampering with or intentionally mislal	pelling the sample l	ocation,		preservation must be receive n avg temp above 0 but less th	d on ice the day they are sampled
date or time of collection is considered fra	ud and may be gro	unds for legal actio	n. Sampled by: GM			received packed in ice at a	n avg temp above o but less ti	nan o C on subsequent days.
Relinquished by: (Signature)	Date 4. 9. 24	7 Time 0930	Received by: (Signature) Wichelle Gonzales	Date 4-9-24	Time D936	Received on ice:	Lab Use Only	
Relinquished by: (Signature) Muhelle Gonzales	4-9-14	1622	Received by: (Signature)	4.9.74	Time 1715	<u>T1</u>	T2	T3
Relinguished by: (Signature)	4.9.24	1330	Received by: (Signature)	14/10/2L	Time 1017	AVG Temp °C	4	
sample Matrix: S - Soil, Sd - Solid, Sg - Slud	ge, A - Aqueous, O	- Other	22.06.4.	Container Typ	e: g - glass, p -	poly/plastic, ag - am	ber glass, v - VOA	



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

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

Printed: 4/10/2024 2:12:06PM

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:	04/10/24	10:17	Work Order ID:	E404075
Phone:	(539) 573-4018	Date Logged In:	04/10/24	10:17	Logged In By:	Alexa Michaels
Email:		Oue Date:	04/16/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location match	1 the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes	currer. <u>courrer</u>		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e. 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
	Turn Around Time (TAT)	•				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (* 7			
	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			
	ne sample received on ice? If yes, the recorded temp is 4°C, i.d Note: Thermal preservation is not required, if samples are r minutes of sampling visible ice, record the temperature. Actual sample to	eceived w/i 15	Yes C			
	<u>Container</u>		_			
	equeous 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			
	ion-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum information in the sample ID?	mation:	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pres	served?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved me	tals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analyze	ed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laboratory		No			
	a subcontract laboratory specified by the client and if s	o who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
Client I	<u>nstruction</u>					
Signa	ture of client authorizing changes to the COC or sample dispo	sition.		Da	te	envirotech Inc

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

Project	Informatio

Chain of Custody

Page 1	of(Received by OCD: 8/6/2024 4:43:36 PM
rogram		0
SDWA		CD:
RCRA		8/6
		/2024
TX		4:43
		:36
0224		PM

Client: W			n, LLC			Bill T	Го				La	ab Us	e Or	ly					TA	\T		EPA P	rogram
Project: f						Attention: Jim Raley				WO#			Job,	Num	S C	2	1D	2D	3D		andard	CWA	SDWA
Project Manager: Gilbert Moreno Address: 5315 Buena Vista Dr. Address: 13000 W County Rd 100 City, State, Zip: Carlsbad, NM, 88220					E	tor	0	15	OII	D	SOS	N				5 D	ay TAT						
						City, State, Zip: Carlsbad	i, NM, 88220						Analy	sis ar	nd Me	ethod							RCRA
City, Stat			79765			Phone: 575-885-7502				by													
Phone: 8	AND DESCRIPTION OF THE PARTY OF	The state of the s				mail: jim.raley@dvn.co	om	8		ORO												State	E E E E
Email: De						WBS/WO: 21191055				RO/	17	Q	0	0.0		ion	Z		X		NM CO	UT AZ	TX
Collected	by: Gilbe	ert Morer	10			ncident ID: See Remark	S		E	0/0	/ 80.	826	601	e 30		/An					×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC			Remarks	
12:40	4.9.24	S	1			FS08		1	0.25								X				nAP	232265	8221
12:50	4.9.24	S	ax1			FS09		2	0.25							E	X				nAP	231784	0368
	4-8-246	77			41.66																		
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		Ongi	6/																				
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	7								-														
Addition	al Instruc	tions:						35															
						ware that tampering with or into		elling the sar	mple l	ocation	i,	100000	BEI/915/4925		MANUFACTURE COMPA						on ice the day n 6 °C on subse		aled or
Relinguish	the or time of collection is considered fraud and may be grounds for legal action. Sampled by: GM Perceived packed in ice at an avg temp above 0 but less than a C on subsequent days. Plinguished by: (Signature) Date Time Received by: (Signature) Date Time 4. 9. 24 0930 Victoria Gonzales Page 1 Received on ice: (Y) N																						
Relinquish	inquished by: (Signature) Date 4-9-14 Time Local Received by: (Signature) Date 4-9-14 Time Local Tim																						
Relinguish	indished by: (Signature) Date 1.9. Date 1.9. Date 1.9. Date 1.017 AVG Temp °C 4.9.24 2330																						
Sample Mat	rix: S - Soil, S	id - Solid, Sg		Aqueous, O -		which	~1	Containe	r Typ	e:g-	glass	_	_	_	_		er gla	ass, v	- VO	A			
Note: Sam	ples are dis	carded 30 d	days after re	sults are re	ported unle	ss other arrangements are m boratory with this COC. The		us samples	will b	e retu	rned t	o clie	nt or o	dispos	ed of	at the	clien	_	_		eport for the	ne analysis	of the
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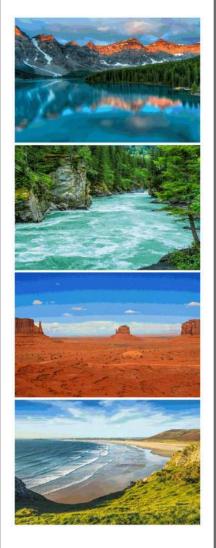


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Page 128 of 630

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 16-9H

Work Order: E404063

Job Number: 01058-0007

Received: 4/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H Workorder: E404063

Date Received: 4/10/2024 8:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 8:45:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Denouted
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 15:45

Client Sample ID	Lab Sample ID Matrix	Sampled Receive	ed Container
FS10 0.25-4'	E404063-01A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.
FS11 0.25-4'	E404063-02A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.
FS12 4'	E404063-03A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.
FS13 4'	E404063-04A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.
FS14 4'	E404063-05A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.
FS15 4'	E404063-06A Soil	04/08/24 04/10/2	4 Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS10 0.25-4' E404063-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2415034
Benzene	ND	0.0250	1	l	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	l	04/10/24	04/12/24	
Toluene	ND	0.0250	1	l	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	l	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	l	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		92.9 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	: RAS		Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		92.9 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/24	04/12/24	
Surrogate: n-Nonane		101 %	50-200		04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2415022
	5370	200	10		04/10/24	04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS11 0.25-4'

		E404063-02				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: RAS		Batch: 2415034
Benzene	ND	0.0250	1	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/12/24	
Toluene	ND	0.0250	1	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130	04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/10/24	04/12/24	
Surrogate: Toluene-d8		84.7 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: RAS		Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130	04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/10/24	04/12/24	
Surrogate: Toluene-d8		84.7 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/24	04/12/24	
Surrogate: n-Nonane		96.3 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2415022
Chloride	8290	400	20	04/10/24	04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS12 4' E404063-03

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst:	RAS		Batch: 2415034
Benzene	ND	0.0250	1		04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1		04/10/24	04/12/24	
Toluene	ND	0.0250	1		04/10/24	04/12/24	
o-Xylene	ND	0.0250	1		04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1		04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1		04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		106 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		99.2 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		106 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		99.2 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst:	KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/24	04/12/24	
Surrogate: n-Nonane		102 %	50-200		04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst:	DT		Batch: 2415022
Chloride	20300	1000	50)	04/10/24	04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS13 4' E404063-04

Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2415034
Benzene	ND	0.0250	1	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/12/24	
Toluene	ND	0.0250	1	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130	04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	04/10/24	04/12/24	
Surrogate: Toluene-d8		112 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130	04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	04/10/24	04/12/24	
Surrogate: Toluene-d8		112 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/24	04/12/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/24	04/12/24	
Surrogate: n-Nonane		102 %	50-200	04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2415022
Chloride	19900	400	20	04/10/24	04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS14 4' E404063-05

Analyte	Result	Reporting Limit	Diluti	ion Prepare	ed Analyzed	Notes
					7 mary zeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2415034
Benzene	ND	0.0250	1	04/10/2		
Ethylbenzene	ND	0.0250	1	04/10/2		
Toluene	ND	0.0250	1	04/10/2		
o-Xylene	ND	0.0250	1	04/10/2	4 04/12/24	
p,m-Xylene	ND	0.0500	1	04/10/2	4 04/12/24	
Total Xylenes	ND	0.0250	1	04/10/2	4 04/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130	04/10/2	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	04/10/2	24 04/12/24	
Surrogate: Toluene-d8		113 %	70-130	04/10/2	24 04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/2	24 04/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130	04/10/2	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	04/10/2	24 04/12/24	
Surrogate: Toluene-d8		113 %	70-130	04/10/2	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/2	4 04/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/2	4 04/12/24	
Surrogate: n-Nonane		102 %	50-200	04/11/2	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: DT		Batch: 2415022
Chloride	1080	200	10	04/10/2	4 04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

FS15 4' E404063-06

Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
		mg/kg		Analyst:	•		Batch: 2415034
Volatile Organic Compounds by EPA 8260B	mg/kg					04/12/24	Datch: 2413034
Benzene	ND	0.0250		1	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250		1	04/10/24	04/12/24	
Toluene	ND	0.0250		1	04/10/24	04/12/24	
o-Xylene	ND	0.0250		1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500		1	04/10/24	04/12/24	
Total Xylenes	ND	0.0250		1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		92.8 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2415034
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		92.8 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2415054
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/24	04/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/24	04/12/24	
Surrogate: n-Nonane		103 %	50-200		04/11/24	04/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2415022

200

10

04/10/24

04/10/24

5080



Chloride

RDX 16-9H WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/16/2024 3:45:20PM **Volatile Organic Compounds by EPA 8260B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2415034-BLK1) Prepared: 04/10/24 Analyzed: 04/12/24 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 0.521 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.489 0.500 97.8 70-130 0.500 98.2 70-130 Surrogate: Toluene-d8 0.491 LCS (2415034-BS1) Prepared: 04/10/24 Analyzed: 04/12/24 2.51 0.0250 2.50 100 70-130 Benzene 2.50 98.4 70-130 2.46 Ethylbenzene 0.0250 2.36 0.0250 2.50 94.5 70-130 101 70-130 2.52 0.0250 2.50 o-Xylene 99.2 4.96 5.00 70-130 p,m-Xylene 0.0500 7.48 0.0250 7.50 99.7 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.532 0.500 106 70-130 0.500 99.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.498 70-130 Surrogate: Toluene-d8 0.501 0.500 Matrix Spike (2415034-MS1) Source: E404067-03 Prepared: 04/10/24 Analyzed: 04/12/24 2.50 0.0250 2.50 ND 99.9 48-131 45-135 Ethylbenzene 2.43 0.0250 2.50 ND 97.2 48-130 Toluene 2.34 0.0250 2.50 ND 93.7 2.36 0.0250 2.50 ND 94.4 43-135 o-Xylene 94.3 4.72 ND 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.07 0.0250 7.50 ND 94.3 43-135 0.504 0.500 101 70-130 Surrogate: Bromofluorobenzene 0.498 0.500 99.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.508 Surrogate: Toluene-d8 Matrix Spike Dup (2415034-MSD1) Source: E404067-03 Prepared: 04/10/24 Analyzed: 04/12/24 2.26 0.0250 2.50 ND 90.3 48-131 10.1 23 2.39 0.0250 2.50 ND 95.7 45-135 1.60 27 Ethylbenzene ND 94.8 48-130 1.23 24 2.37 2.50 Toluene 0.0250 o-Xylene 2.46 0.0250 2.50 ND 98.5 43-135 4.27 27 5.32 5.00 ND 43-135 12.0 27 106 p,m-Xylene 0.0500 27 7.78 0.0250 7.50 ND 104 43-135 9.52 Total Xylenes Surrogate: Bromofluorobenzene 0.520 0.500 104 70-130



0.500

0.500

0.465

0.512

92.9

102

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 16-9HReported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno4/16/20243:45:20PM

Nonha	logenated	l Organia	e by EPA	8015D	- GRO

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

	resure				100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415034-BLK1)							Prepared: 0	4/10/24 An	alyzed: 04/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			
LCS (2415034-BS2)							Prepared: 0	4/10/24 An	alyzed: 04/12/24
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130	·	·	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			
Matrix Spike (2415034-MS2)				Source:	E404067-	03	Prepared: 0	4/10/24 An	alyzed: 04/12/24
Gasoline Range Organics (C6-C10)	57.5	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
Matrix Spike Dup (2415034-MSD2)				Source:	E404067-	03	Prepared: 0	4/10/24 An	alyzed: 04/12/24
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	16.4	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 3:45:20PM

Carisbad Nivi, 88220		Project Manage	r: Gi	ibert Moreno				4	710/2024 3.43.20FN
	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 (2415054-BLK1)							Prepared: 0	4/11/24 Ana	llyzed: 04/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.6		50.0		115	50-200			
LCS (2415054-BS1)							Prepared: 0	4/11/24 Ana	lyzed: 04/11/24
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			
Matrix Spike (2415054-MS1)				Source:	E404069-	01	Prepared: 0	4/11/24 Ana	alyzed: 04/12/24
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			
Matrix Spike Dup (2415054-MSD1)				Source:	E404069-	01	Prepared: 0	4/11/24 Ana	alyzed: 04/12/24
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	1.14	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			
9									



WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number		RDX 16-9H 01058-0007					Reported:	
Carlsbad NM, 88220		Project Manager		Gilbert Moreno					4/16/2024 3:45:20PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	A				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 (2415022-BLK1)							Prepared: 04	4/09/24 Ar	nalyzed: 04/09/24
Chloride	ND	20.0							
LCS (2415022-BS1)							Prepared: 04	4/09/24 Ar	nalyzed: 04/09/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2415022-BSD1)							Prepared: 04	4/09/24 Ar	alyzed: 04/09/24
Chloride	251	20.0	250		100	90-110	0.223	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 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 15:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



1	_of_	1	Received by OCD:
		,	d by
			OCD:
			8/6/2
			024
			: 8/6/2024 4:43:36 PI
			P

Client: WPX Energy Permian, LLC Project: RDX 16-9H Project Manager: Gilbert Moreno Address: 13000 W County Rd 100					T	Lab Use Only						1				AT	EPA P	EPA Program		
					Lal	Lab WO# E 4040 63			Job Number Oloss 1007 Analysis and Method				1D	2D	3D	Standard		SDWA		
													10	-	155	5 Day TAT				
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ity, Stat	e, Zip_O	dessa,TX,	79765		Phone: 575-885-7502					1		T			T				RIISONS IN	
Phone: 832-541-7719			Email: jim.raley@dvn.com														State			
			env.com		WBS/WO: 21191055			1	17	0		300.0		no	Σ		×	NM C	D UT AZ	TX
ollected	by: Gilb	ert More	no		Incident ID: See Remarks		I F		805	826	6010			/Ani			¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Lab Numb	Depth(ft.)	Depting	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC		GDOC		Remarks	•
13:00	4.9.24	S	1		FS10	1	0	.25-4'							Х			n/	PP232265	8221
13:10	4.9.24	s	9-21		FS11	2	0	.25-4'							х			n.A	PP231784	0368
13:20	4.9.24	S	0131		FS12										Х					
13:30	4.9.24	S	Gy 4 1	FS13			4'								Х					
13:40	4.9.24	S	951	FS14			4'								х					
13:50 4.9.24 S Cof &	Cy & 1	FS15			4'								х							
David																				
																	1-2-2011-1-2-3			
		t				la l														entri c
ddition	al Instruc	tions:																L		
					I am aware that tampering with or intention and action. Sampled by: GN	Manager Transfer and Control of the Control	sample	location	٦,									eceived on ice the d		pled or
Relinguished by: (Signature) Date Time Regeived by: (Signature) Date				sales H-G	24	Time	93	Lab Use Only Received on ice: // N												
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Printed: 4/10/2024 3:51:16PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks. If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

WPX Energy - Carlsbad Date Received: 04/10/24 08:45 Work Order ID: E404063 Client: Angelina Pineda Logged In By: Phone: Date Logged In: 04/09/24 17:37 Due Date: 04/16/24 17:00 (4 day TAT) Email: devon-team@etechenv.com Chain of Custody (COC) Yes 1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes Carrier: Courier 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Yes 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, Comments/Resolution i.e, 15 minute hold time, are not included in this disuession. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? Nο 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container No 14. Are aqueous VOC samples present? NA 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Yes Sample ID? Date/Time Collected? Yes Collectors name? Yes Sample Preservation No 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? Νo Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA Client Instruction

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

Date

envirotech Inc.

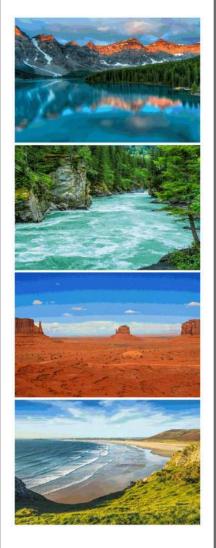
Client: W	PX	Energ	y Permia	n, LLC					Bill To			ALC:	arres.	La	b Us	se On	ly	200	26			TA	AT		EPA P	rogram
Project: I								ention: Jim F					WO#			Job I				1D	2D	3D	Sta	andard	CWA	SDWA
	_		Gilbert N			-100			Buena Vista Dr.			E	04	00	3	010	381	∞	7				5 D	ay TAT		
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			dessa,TX,	79765		THE RE	Pho	ne: 575-885	5-7502																district.	
Phone: 8							Ema	il: jim.raley	@dvn.com																State	
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13:00	4.	.24	S	1				FS10			1	0.2	5-4'							х				nAP	P2322658	3221
13:10	4.	9.24	S	9-21				FS11			2	0.2	5-4'							X				nAP	P231784	0368
13:20	4.	9.24	S	6121				FS12			3	4'								x						
13:30	4.	9.24	S	6/41				FS13			4	4'								х						
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Relinguish	ed/5	Maria de la constanta de la co	The state of the s	Date	9.24	Time 0930		Reseived by:			te 1-9.2	Ч	Time	930	0	Rece	ived	on i	ce.	-	ab Us	e On	ly			7000
Relinquish			nature)	Date		Time		Received by:		Da	1. q		Time	71	-	T1	veu	OH II		T2	, , ,			Т3		
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					Aqueous, O -				do		ontaine				p - p	oly/p	lastic	, ag -	amb							
Note: Sam	ples	are di	scarded 30	days after re	esults are re	ported u	nless ot	her arrangem	ents are made. Haza	ardous s	samples	will be	retur	ned t	o clie	nt or c	lispos	ed of	at the	e clier	nt exp	ense.	The	eport for t	he analysis	of the
ahove sam	nlac	ic ann	licable only	to thora ca	moles recei	red by th	e labor	aton with this	COC The liability of	the lab	aratani l	e limit	ad to	the -	-	t-Ind	for -	the .		-						



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

Page 146 of 630

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 #009

Work Order: E404235

Job Number: 01058-0007

Received: 4/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/29/24

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: 4/29/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404235

Date Received: 4/23/2024 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2024 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Cell: 775-287-1762

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Sample Summary

_			•	
Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/29/24 10:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS12 5'	E404235-01A	Soil	04/19/24	04/23/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/29/2024 10:11:18AM

FS12 5' E404235-01

		E404235-01				
	D. Iv	Reporting Limit	Dilution	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2417034
Benzene	ND	0.0250	1	04/23/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/23/24	04/24/24	
Toluene	ND	0.0250	1	04/23/24	04/24/24	
-Xylene	ND	0.0250	1	04/23/24	04/24/24	
o,m-Xylene	ND	0.0500	1	04/23/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/23/24	04/24/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2417034
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/23/24	04/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	04/23/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2417039
Diesel Range Organics (C10-C28)	ND	25.0	1	04/23/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/23/24	04/24/24	
Surrogate: n-Nonane		95.5 %	50-200	04/23/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2417037
Chloride	10800	400	20	04/23/24	04/24/24	



		QC 50	41111114	ii y Data					
WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #009 1058-0007 ilbert Moreno				4/29	Reported: 0/2024 10:11:18AM
,				by EPA 8021	B				Analyst: RKS
		, olutile of	Sumes	, E11100 2 1					Alialyst: KK5
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417034-BLK1)							Prepared: 0	4/23/24 Anal	yzed: 04/24/24
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	7.39		8.00		92.3	70-130			
LCS (2417034-BS1)							Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,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 (2417034-MS1)				Source: H	E404234-	02	Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.7	70-130			
Matrix Spike Dup (2417034-MSD1)				Source: F	2404234-	02	Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Benzene	5.03	0.0250	5.00	ND	101	54-133	3.10	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	2.68	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	3.00	20	
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131	2.89	20	
37. 1	10.1	0.0500	10.0	ND	101	63-131	2.50	20	
p,m-Xylene	15.0	0.0300	15.0	ND ND	101	63-131	2.58 2.68	20	

8.00

7.36

92.0

70-130



Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	RDX 16 #009 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/29/2024 10:11:18AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/29	0/2024 10:11:18AN
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		A	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 (2417034-BLK1)							Prepared: 0	4/23/24 Analy	zed: 04/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
LCS (2417034-BS2)							Prepared: 0	4/23/24 Analy	zed: 04/24/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			
Matrix Spike (2417034-MS2)				Source:	E404234-	02	Prepared: 0-	4/23/24 Analy	zed: 04/24/24
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
Matrix Spike Dup (2417034-MSD2)				Source:	E404234-	02	Prepared: 0	4/23/24 Analy	zed: 04/24/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.1	70-130	0.551	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/29/2024 10:11:18AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/2	9/2024 10:11:18AI
	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 (2417039-BLK1)							Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.6		50.0		93.3	50-200			
LCS (2417039-BS1)							Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Diesel Range Organics (C10-C28)	239	25.0	250		95.7	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike (2417039-MS1)				Source:	E404225-	23	Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132			
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			
Matrix Spike Dup (2417039-MSD1)				Source:	E404225-	23	Prepared: 0	4/23/24 Anal	yzed: 04/24/24
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	3.15	20	
Surrogate: n-Nonane	45.5		50.0		90.9	50-200			

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		1058-0007 ilbert Moreno					4/29/2024 10:11:18AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				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 (2417037-BLK1)							Prepared: 0	4/23/24 A	nalyzed: 04/23/24
Chloride	ND	20.0							
LCS (2417037-BS1)							Prepared: 0	4/23/24 A	nalyzed: 04/23/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2417037-MS1)				Source:	E404234-0	04	Prepared: 0	4/23/24 A	nalyzed: 04/23/24
Chloride	282	20.0	250	29.9	101	80-120			
Matrix Spike Dup (2417037-MSD1)				Source:	E404234-0	04	Prepared: 0	4/23/24 A	nalyzed: 04/23/24
Chloride	280	20.0	250	29.9	99.9	80-120	0.645	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 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/29/24 10:11

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
	4:43:36
	PM

Client: V	/PX Energ	y Permia	n, LLC.		Bill To				La	b Us	e On	ly					TA	\T		EPA P	ogram
Project:	RDX 16 #0	009			Attention: Jim Raley		Lab	WO#	_	_	Job	Num	ber		1D	2D	3D		dard	CWA	SDWA
	Manager:				Address: 5315 Buena Vista Dr.		EL	WO#	23	5	OIO!	58-	-00	70				5 day	TAT		
	13000 W	-			City, State, Zip: Carlsbad, NM, 882	220	M				Analys				1				h block		RCRA
	te, Zip_O		79765		Phone: 575-885-7502		100														
	32-541-7				Email: jim.raley@dvn.com			3015												State	
Email: D	evon-tear	n@etech	env.com		WO: 21191055			by										NI	м со	UT AZ	TX
Collecte	d by: Edyt	e Konan			Incident ID: nAPP2322658221, nAPP2317840368		77	TPH GRO/DRO/ORO by 8015	8021	8260	010	300.0	7	Anion	NM		X		×		
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	TDS	Cation/ Anion	BGDOC	1	GDOC		14	Remarks	
10:30	04.19.24	S	1		FS12	1	5'							le de	х						
													1								
											/			1874					-		11.5
							1														
					2524																
					0H1221269H		1		4												
				New Years																JA A	
					A THE LONG						Fire		2 1								
Addition	al Instru	tions:		Marian															6 11		
THE CO.				ticity of this sample. may be grounds for I	I am aware that tampering with or intentionally misla legal action, Sampled by: EK	abelling the samp	ole local	tion,			COLD TROP									they are sam sequent days.	oled or
Relinquish	ed by: (Signal)	iture)	Date	Time	a Michelle Gonzale	8 4-22	24	Time	100		Rece	eive	d on	ice:		U de	se On	nly			
Mich	ed by: (Sign	ionea		2224 16	Received by: (Signature)	- 4-22	1200	Time 16	:01		T1				T2			<u>T3</u>	3		
Relinquish	ed by: (Signa	ature)	- Date		Received by: (Signature)	4/23/	24	Time	315	-	AVG	Ten	np°(f						
Sample Mat	rix: S - Soil, S	d - Solid, Sg -		Aqueous, O - Other_		Container	Type	: g - g	lass,	p - po					er gla	ass, v	- VOA	1			
					unless other arrangements are made. Hazardo	us samples wil	l be ret	turned	to cli	ent or	dispo	sed o	f at th						r the ana	lysis of the	above
samples is	applicable o	nly to thos	e samples	received by the lat	poratory with this COC. The liability of the labora	atory is limited	to the	amou	nt paid	d for o	on the	repor	t.								



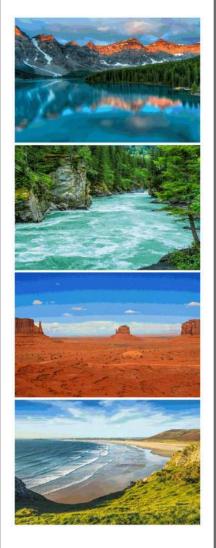
envirotech

Printed: 4/23/2024 12:09:25PM

Envirotech Analytical Laboratory

	: Please take note of any NO checkmarks.	_	-	Checklist (SRC				
We receive	e no response concerning these items within 24 hours of the WPX Energy - Carlsbad	Date Received:	04/23/24	_	alyzed as req	Work Order ID:	E404235	
Phone:		Date Logged In:	04/23/24			Logged In By:	Angelina Pineda	
rnone: Email:		ue Date:		17:00 (4 day TAT)		Logged In By.	Angelina i incoa	
LILLIII.	at to the team of the team.							
Chain o	f Custody (CQC)							
	the sample ID match the COC?		Yes					
	the number of samples per sampling site location match	the COC	Yes					
	samples dropped off by client or carrier?		Yes	Carrier: 9	Courier			
	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes					
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e., 15 minute hold time, are not included in this disussion.		Yes			<u>Commen</u>	ts/Resolution	
Sample	Turn Around Time (TAT)							
6. Did th	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	ne sample(s) received intact, i.e., not broken?		Yes					
	custody/security seals present?		No					
	s, were custody/security seals intact?		NA					
•	he sample received on ice? If yes, the recorded temp is 4°C, in Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes					
13. If no	visible ice, record the temperature. Actual sample to	mperature: <u>4°</u>	<u>c</u>					
	Container							
	aqueous VOC samples present?		No					
15. Are	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					
18. Are	non-VOC samples collected in the correct containers?		Yes					
19. Is the	appropriate volume/weight or number of sample contained	s collected?	Yes					
Field La	<u>bel</u>							
20. Were	field sample labels filled out with the minimum inform	nation:						
	Sample ID?		Yes		1			
	Date/Time Collected?		Yes					
	Collectors name?		Yes					
	Preservation		Xr.					
	the COC or field labels indicate the samples were pres	er veu :	No NA					
	sample(s) correctly preserved? o filteration required and/or requested for dissolved met	ale?						
	·	mrz i	No					
	ase Sample Matrix	_						
	the sample have more than one phase, i.e., multiphase		No					
27. If yes	s, does the COC specify which phase(s) is to be analyze	ed?	NA					
Subcont	ract Laboratory							
28. Arc s	samples required to get sent to a subcontract laboratory	?	No					
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab	: NA			
Client I	nstruction							
<u>CNCUL I</u>	nsir de non							
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I								

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16-9H

Work Order: E404062

Job Number: 01058-0007

Received: 4/10/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H Workorder: E404062

Date Received: 4/10/2024 8:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 8:45:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	D
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS16 0.25'	E404062-01A	Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
FS17 0.25'	E404062-02A	Soil	04/08/24	04/10/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:51:58PM

FS16 0.25' E404062-01

		E-10-1002-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: EG		Batch: 2415033
Benzene	ND	0.0250	1	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/12/24	
Toluene	ND	0.0250	1	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/12/24	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2415033
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/24	04/11/24	
Surrogate: n-Nonane		103 %	50-200	04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2415022
Chloride	11300	200	10	04/10/24	04/10/24	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:51:58PM

FS17 0.25'

		E404062-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2415033
Benzene	ND	0.0250	1	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/12/24	
Toluene	ND	0.0250	1	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/12/24	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2415033
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/24	04/11/24	
Surrogate: n-Nonane		108 %	50-200	04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2415022
Chloride	20100	400	20	04/10/24	04/10/24	



		QC 50	411111114	ny Data					
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:	01	DX 16-9H .058-0007				4/1	Reported: 6/2024 2:51:58PM
Carlsbad NM, 88220		Project Manager:	Gl	ilbert Moreno				4/1	0/2024 2:31:38PM
		Volatile O	rganics b	oy EPA 8021	B				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 (2415033-BLK1)							Prepared: 0	4/10/24 Analy	yzed: 04/10/24
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	7.70		8.00		96.3	70-130			
LCS (2415033-BS1)							Prepared: 0	4/10/24 Analy	yzed: 04/10/24
Benzene	4.84	0.0250	5.00		96.8	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.3	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			
Matrix Spike (2415033-MS1)				Source: H	E404059-	10	Prepared: 0	4/10/24 Analy	yzed: 04/11/24
Benzene	4.87	0.0250	5.00	ND	97.4	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			
Matrix Spike Dup (2415033-MSD1)				Source: F	E404059-	10	Prepared: 0	4/10/24 Analy	yzed: 04/11/24
Benzene	4.86	0.0250	5.00	ND	97.3	54-133	0.178	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	0.385	20	
Toluene	4.94	0.0250	5.00	ND	98.7	61-130	0.522	20	
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131	0.354	20	
0-Aylene		0.0250							
p,m-Xylene	10.0 15.0	0.0500 0.0250	10.0 15.0	ND ND	100 99.7	63-131 63-131	0.477 0.437	20 20	

8.00

7.66

70-130



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:51:58PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4	4/16/2024 2:51:58PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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 (2415033-BLK1)							Prepared: 0	4/10/24 An	alyzed: 04/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2415033-BS2)							Prepared: 0	4/10/24 An	alyzed: 04/10/24
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike (2415033-MS2)				Source:	E404059-	10	Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			
Matrix Spike Dup (2415033-MSD2)				Source:	E404059-	10	Prepared: 0	4/10/24 An	alyzed: 04/11/24
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130	1.12	20	

8.00

96.1

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:51:58PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				4	1/16/2024 2:51:58PM		
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2415026-BLK1)							Prepared: 0	4/10/24 An	alyzed: 04/10/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	57.2		50.0		114	50-200					
LCS (2415026-BS1)							Prepared: 0	4/10/24 An	alyzed: 04/10/24		
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132					
Surrogate: n-Nonane	56.0		50.0		112	50-200					
LCS Dup (2415026-BSD1)							Prepared: 0	4/10/24 An	alyzed: 04/10/24		
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132	0.233	20			
Gurrogate: n-Nonane	56.1		50.0		112	50-200					



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: RDX Project Number: 0105						Reported:		
Carlsbad NM, 88220		Project Manager		ilbert Moreno 600.0/9056					4/16/2024 2:51:58PM Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Allalyst. D1	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2415022-BLK1)							Prepared: 0-	4/09/24 An	nalyzed: 04/09/24	
Chloride	ND	20.0								
LCS (2415022-BS1)							Prepared: 0	4/09/24 An	alyzed: 04/09/24	
Chloride	251	20.0	250		100	90-110				
LCS Dup (2415022-BSD1)							Prepared: 0	4/09/24 An	nalyzed: 04/09/24	
Chloride	251	20.0	250		100	90-110	0.223	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 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:51

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	Received
	by
	OCD:
	8/6/2
	2024
	4:43:36
	PM

						Bill To					ลกบร	e Oni	V					TA	A 1	I FPA P	rogram
niect Man	t: RDX 16-9H				Att	ention: Jim Raley		Lab WO#				Jse Only Job Number				1D	2D	3D	Standard	CWA	SDW
Olece isiniii		Gilbert M	loreno			ddress: 5315 Buena Vista Dr. E 40 400										30	5 Day TAT	- Citiz	30 11		
ddress: 130					City	, State, Zip: Carlsbad, NM, 8	8220	-	10			Analys									RCR
ty, State, Z	ip_Od	essa,TX,	79765			one: 575-885-7502			þ			Πİ									
none: 832-5	541-77	719			Em	ail: jim.raley@dvn.com			080											State	
nail: Devor	n-team	etech	env.com		WBS/W0: 21191055			M			NM CO	UT AZ	TX								
ollected by:	: Gilbe	rt Morer	10		Incident ID: See Remarks			×	×												
A Marie Marie State Committee of the Com	Date mpled	Matrix	No. of Containers			Sample ID		Depth(ft.)	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC		GDOC		Remarks	
14:00 4.9	9.24	S	1			FS16	1	0.2	:5'							х			nAF	P2322658	8221
14:10 4.9.24 S 1			FS17	2	0.2	:5'							х			nAF	P231784	0368			
		gis																			
dditional Ir	istruct	dons:																			
				icity of this samp		re that tampering with or intentionally	mislabelling the s	ample	locatio	on,		A STATE OF THE PARTY OF							ceived on ice the day ess than 6 °C on sub		oled or
linguished	v: (Signa	ature)	Date	Tim	e e	Reseived by: (Signature)	Date		Tim	e						1:	ah II	e On	lv		
Cafgi	ing		Pe	9-24 0	0930	Michelle Gonza	les 4-9.	24		293	6	Recei	ived	on i	ce:		N				
linquished by		onzal	Date	9-24 Tim	622	Received by: (Signature)	U.q	1.	Tim	719	ia.					_			Т3		



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

Page 17630

Page 1770

P

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 4/10/2024 4:00:58PM

Instructions: Please take note of any NO checkmarks.

Date Logged In: Due Date: teh the COC sted analyses? a the field, on.	Yes Yes Yes Yes Yes Yes Yes	7:32 17:00 (4 day TAT) 	ourier	Logged In By:	Angelina Pineda	
tch the COC sted analyses? a the field,	Yes Yes Yes Yes		 ourier			
sted analyses?	Yes Yes Yes	Carrier: <u>C</u> c	ourier			
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sted analyses?	Yes Yes	Carrier: <u>Cc</u>	ourier			
s the field,	Yes Yes	Carrier: <u>Co</u>	<u>ourier</u>			
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s the field,	Yes					
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		Г		Comment	ts/Resolution	
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	No					
	NA					
i.e., 6°±2°C e received w/i 15	Yes					
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ters collected?	Yes					
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rmation:						
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Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Project	Information

Chain of Custody

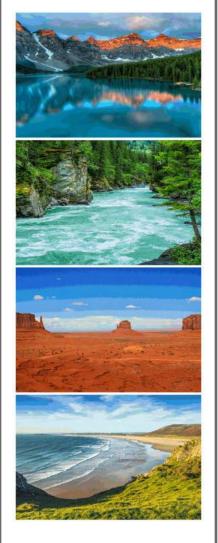
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Project: F					100		ntion: Jim F			L	ab \	NO#		Morro	Job N	lum	ber		1D	2D	3D	Sta	andard	CWA	SDWA
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City, Stat	e, Zip_Oc	lessa,TX,	79765			Phor	ne: 575-885	5-7502				6						-							
Phone: 8	32-541-7	719	200			Ema	il: iim.ralev	@dvn.com				2												State	
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above sam	ples is appl	icable only	to those sa	mples recei	ved by the	labora	tory with this	COC. The liability of the	laborato	ry is	limite	ed to	the ar	moun	t paid	for o	the i	repor	t,	SHE TO A	SILE I	State of			



enviroteche environation env

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 #009

Work Order: E404161

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/24/24

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: 4/24/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404161

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_			•	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/24/24 14:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS17 0.5'	E404161-01A	Soil	04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/24/2024 2:29:33PM

FS17 0.5' E404161-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2416098
Benzene	ND	0.0250	1		04/18/24	04/19/24	
Ethylbenzene	ND	0.0250	1		04/18/24	04/19/24	
Toluene	ND	0.0250	1		04/18/24	04/19/24	
o-Xylene	ND	0.0250	1		04/18/24	04/19/24	
p,m-Xylene	ND	0.0500	1		04/18/24	04/19/24	
Total Xylenes	ND	0.0250	1		04/18/24	04/19/24	
Surrogate: Bromofluorobenzene		91.9 %	70-130		04/18/24	04/19/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/18/24	04/19/24	
Surrogate: Toluene-d8		99.6 %	70-130		04/18/24	04/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2416098
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/18/24	04/19/24	
Surrogate: Bromofluorobenzene		91.9 %	70-130		04/18/24	04/19/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/18/24	04/19/24	
Surrogate: Toluene-d8		99.6 %	70-130		04/18/24	04/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2416127
Diesel Range Organics (C10-C28)	ND	25.0	1		04/19/24	04/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1		04/19/24	04/20/24	
Surrogate: n-Nonane		94.4 %	50-200		04/19/24	04/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2416096
	842	200	10		04/18/24	04/19/24	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/24/2024 2:29:33PM

Volatile Organic Compounds by EPA 8260B

	V	olatile Organ	ic Compo	unds by El	PA 8260I	В		A	nalyst: 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 (2416098-BLK1)							Prepared: 04	4/18/24 Analy	zed: 04/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
LCS (2416098-BS1)							Prepared: 04	4/18/24 Analy	zed: 04/18/24
Benzene	2.09	0.0250	2.50		83.4	70-130	•		
Ethylbenzene	2.13	0.0250	2.50		85.4	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.20	0.0250	2.50		87.9	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.60	0.0250	7.50		88.0	70-130			
Surrogate: Bromofluorobenzene	0.470	******	0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			
Matrix Spike (2416098-MS1)				Source:	E404158-2	28	Prepared: 04	4/18/24 Analy	zed: 04/18/24
Benzene	2.18	0.0250	2.50	ND	87.3	48-131			
Ethylbenzene	2.13	0.0250	2.50	ND	85.2	45-135			
Toluene	2.26	0.0250	2.50	ND	90.5	48-130			
o-Xylene	2.16	0.0250	2.50	ND	86.5	43-135			
p,m-Xylene	4.36	0.0500	5.00	ND	87.2	43-135			
Total Xylenes	6.52	0.0250	7.50	ND	87.0	43-135			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			
Matrix Spike Dup (2416098-MSD1)				Source:	E404158-2	28	Prepared: 04	4/18/24 Analy	zed: 04/18/24
Benzene	2.30	0.0250	2.50	ND	92.0	48-131	5.18	23	
Ethylbenzene	2.26	0.0250	2.50	ND	90.6	45-135	6.10	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	6.73	24	
o-Xylene	2.28	0.0250	2.50	ND	91.2	43-135	5.31	27	
p,m-Xylene	4.58	0.0500	5.00	ND	91.6	43-135	4.92	27	
Total Xylenes	6.86	0.0250	7.50	ND	91.5	43-135	5.05	27	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			



0.500

99.6

70-130

0.498

Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/24/2024 2:29:33PM

Nonhalogenated Organics by	EPA 8015D - GRO
----------------------------	-----------------

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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416098-BLK1)							Prepared: 0	4/18/24	Analyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
LCS (2416098-BS2)							Prepared: 0	4/18/24	Analyzed: 04/18/24
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
Matrix Spike (2416098-MS2)				Source:	E404158-2	28	Prepared: 0	4/18/24	Analyzed: 04/18/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
Matrix Spike Dup (2416098-MSD2)				Source:	E404158-2	28	Prepared: 0	4/18/24	Analyzed: 04/18/24
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.81	20	
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/24/2024 2:29:33PM

	Project Manager	r. Gi	ibert Moreno					4/24/2024 2.29.33FF
Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
ND	25.0							
ND	50.0							
47.6		50.0		95.2	50-200			
						Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
248	25.0	250		99.1	38-132			
45.2		50.0		90.5	50-200			
			Source:	E404159-2	28	Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
244	25.0	250	ND	97.6	38-132			
46.6		50.0		93.2	50-200			
			Source:	E404159-2	28	Prepared: 0	4/19/24 Ar	nalyzed: 04/19/24
		,						
246	25.0	250	ND	98.2	38-132	0.624	20	
	Result mg/kg ND ND 47.6 248 45.2	Nonhalogenated Organization Reporting Limit mg/kg	Nonhalogenated Organics by	Result mg/kg Reporting Limit Level mg/kg Spike Level mg/kg Source Result mg/kg ND 25.0 ND 50.0 50.0 47.6 50.0 248 25.0 250 45.2 50.0 Source: 244 25.0 250 ND 46.6 50.0 Source: Source:	Nonhalogenated Organics by EPA 8015D - DRO Result	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %	Nonhalogenated Organics by EPA 8015D - DRO/ORO Result Reporting Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % %



Matrix Spike Dup (2416096-MSD1)

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 01	OX 16 #009 058-0007 ilbert Moreno					Reported: 4/24/2024 2:29:33PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2416096-BLK1)							Prepared: 0	4/18/24 Ar	nalyzed: 04/19/24
Chloride	ND	20.0							
LCS (2416096-BS1)							Prepared: 0	4/18/24 Ar	nalyzed: 04/19/24
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2416096-MS1)				Source:	E404153-	03	Prepared: 0	4/18/24 Ar	nalyzed: 04/19/24
Chloride	325	20.0	250	65.6	104	80-120			

250

20.0

Source: E404153-03

109

80-120

3.72

65.6

QC Summary Report Comment:

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



Prepared: 04/18/24 Analyzed: 04/19/24

20

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/24/24 14:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: W	/PX Energ	v Permia	n. II.C.		-	100		-	Bill	То	1		- Salara		Lak	n Hs	e Onl	v	and the same			-	TA	T		FPA P	rogram
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Time	Date		No. of	Cample II							L	ab	Depth(ft.)	GRO,	BTEX by 8	VOC by 8260	Metals 6010	oride		Cation/ Anion	BGDOC		20		×I	Damasla	
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							74																				
Addition	al Instruc	tions:									777.86	micorentos															
l, (field sam	oler), attest to	the validity	and authen	icity of this s	ample. La	ım aware t	hat tam	pering w	vith or in	entionally misl	belling th	e samp	le locati	ion,			12 COND								on ice the day		pled or
date or time	of collection	is considere	d fraud and	may be groun	ds for leg	al action.		San	npled by:	EK							receive	d pack	ed in ic	e at an	avg te	mp abo	ve 0 but	less th	ian 6 °C on sub	sequent days.	
Relinquish	ed by: (Signa	ture)	Oh Oh	117124	Time 7:30	20	Mi.	chel	ignatur e G	ongale	S Date	170	24	Time	731	D	Rece	eivec	d on i	ice:			se On	ly			
	ed by: (Signa		Pcc Date	17.24	Time 6		Receive		Signatur		Date		14	Time			T1				T2				T3		
	ed by: (Sign		O Date		Time		Receive	ed by: (S	Signatur	e)	Date	1	1	Time		_				-,	i		RIA				
V . I II	trew	M	580 4.	17.24	24		D	9	1.		4	18	14	O	145		AVG				1						
		- Solid, 5g -	Sludge, A -	Aqueous, O - (Type:														
Note: Sam	ples are disc	arded 30 d	ays after re	sults are rep	ported un	nless othe	r arran	gement	ts are m	ade. Hazardo	us samp	es will	be ret	urned	to clie	nt or	dispos	sed o	f at th	e clier	nt exp	ense.	Ther	eport	for the and	alysis of the	above

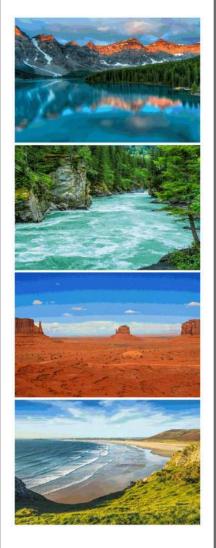
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 4/19/2024 1:34:31PM

Client:	WPX Energy - Carlsbad Da	ite Received:	04/18/24	07:45	Work Order ID:	E404161
hone:	(539) 573-4018 Da	ne Logged In:	04/18/24	09:05	Logged In By:	Angelina Pineda
Email:	devon-team@etechenv.com Dr	ze Date:	04/24/24	17:00 (4 day TAT)		
Chain of (Custody (COC)				·	
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location match	the COC	Yes			
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field.	Yes		Commen	ts/Resolution
Sample T	urn Around Time (TAT)					<u> </u>
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	ooler_					
7. Was a s	ample cooler received?		Yes			
3. If yes, v	vas cooler received in good condition?		Yes			
. Was the	sample(s) received intact, i.e., not broken?		Yes			
10. Were d	custody/security seals present?		No			
ll. If yes,	were custody/security seals intact?		NA			
12. Was the	sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13, If no v	isible ice, record the temperature. Actual sample ter	nperature: 4º	C			
Sample C						
_	ucous VOC samples present?		No NA			
	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? in-VOC samples collected in the correct containers?		Yes			
	ppropriate volume/weight or number of sample containers	collected?	Yes			
Field Lab	• • • • • • • • • • • • • • • • • • • •	tonester.	145			
_	er ield sample labels filled out with the minimum inform	ation:				
	imple ID?		Yes			
	nte/Time Collected?		Yes	l		
Co	ollectors name?		Yes			
	reservation.	10				
	he COC or field labels indicate the samples were presented.	rved?	No			
	mple(s) correctly preserved?	2ما.	NA Na			
	filteration required and/or requested for dissolved meta	LJi	No			
	se Sample Matrix					
	he sample have more than one phase, i.e., multiphase?		No			
7. If yes,	does the COC specify which phase(s) is to be analyzed	1.5	NA			
	act Laboratory					
	mples required to get sent to a subcontract laboratory?		No			
29. Was a	subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
	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 #009

Work Order: E404152

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404152

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Cell: 775-287-1762

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Sample Summary

		-	
WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:57

Client Sample ID	Lab Sample ID Matrix	Sampled Re	eceived Conta	iner
FS19 0.25'	E404152-01A Soil	04/16/24 04	4/18/24 Glas	ss Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:57:40AM

FS19 0.25' E404152-01

		E404132-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: EG	<u> </u>	Batch: 2416085
Benzene	ND	0.0250	1	04/18/24	04/18/24	
Ethylbenzene	0.159	0.0250	1	04/18/24	04/18/24	
Toluene	ND	0.0250	1	04/18/24	04/18/24	
o-Xylene	0.0700	0.0250	1	04/18/24	04/18/24	
p,m-Xylene	0.329	0.0500	1	04/18/24	04/18/24	
Total Xylenes	0.399	0.0250	1	04/18/24	04/18/24	
Surrogate: 4-Bromochlorobenzene-PID		86.8 %	70-130	04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2416085
Gasoline Range Organics (C6-C10)	24.9	20.0	1	04/18/24	04/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2416088
Diesel Range Organics (C10-C28)	24700	500	20	04/18/24	04/18/24	
Oil Range Organics (C28-C36)	15200	1000	20	04/18/24	04/18/24	
Surrogate: n-Nonane		120 %	50-200	04/18/24	04/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2416092
Chloride	6270	100	5	04/18/24	04/18/24	

QC Summary Data

		QC 5	umm	ary Data	ļ.				
WPX Energy - Carlsbad		Project Name:	R	DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:	0	1058-0007					
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/19/2024 11:57:40AM
		Volatile O	rganics	by EPA 8021	1B				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416085-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Benzene	ND	0.0250							•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.7	70-130			
LCS (2416085-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130			
Matrix Spike (2416085-MS1)				Source: I	E404142-	02	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Benzene	4.97	0.0250	5.00	ND	99.4	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.5	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
Matrix Spike Dup (2416085-MSD1)				Source: I	E404142-	02	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Benzene	5.02	0.0250	5.00	ND	100	54-133	0.992	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	1.01	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	0.924	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	0.822	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.980	20	
Total Vylanas	15.2	0.0250	15.0	ND	102	62 121	0.028	20	



15.2

7.25

0.0250

15.0

8.00

ND

102

90.6

63-131

70-130

0.928

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:57:40AM

Carlsbad NM, 88220		Project Manage		lbert Moreno				4	4/19/2024 11:57:40AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2416085-BLK1)							Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
LCS (2416085-BS2)							Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2416085-MS2)				Source:	E404142-	02	Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike Dup (2416085-MSD2)				Source:	E404142-	02	Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20	

7.24

90.5

70-130

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:57:40AM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno				4/1	9/2024 11:57:40AI
	Nonha	logenated Or	ganics by	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 (2416088-BLK1)							Prepared: 0	4/18/24 Anal	yzed: 04/18/24
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	63.4		50.0		127	50-200			
CS (2416088-BS1)							Prepared: 0	4/18/24 Anal	yzed: 04/19/24
iesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Aatrix Spike (2416088-MS1)				Source:	E404146-0	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
iesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4
urrogate: n-Nonane	62.6		50.0		125	50-200			
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
riesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4
urrogate: n-Nonane	62.1		50.0		124	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno				4	4/19/2024 11:57:40AM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 Aı	nalyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 Aı	nalyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 Aı	nalyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4
Matrix Spike Dup (2416092-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Aı	nalyzed: 04/18/24

250

200

12200

NR

80-120

4.39

11300

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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:57

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.



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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	10	Cation/ Anion	верос		GDOC			Ren	marks	
Sampled	Sampled	321(5)21(52	Containers							Number	Del	1 di	BTB	9	ž	5	TDS	S	BG		9					
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e. The report for the analysis of the above

Printed: 4/18/2024 3:32:02PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

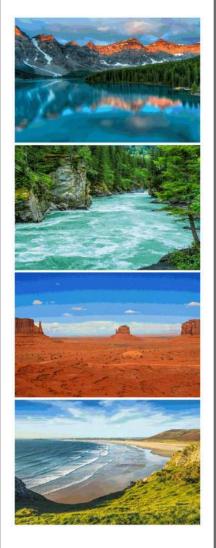
Instructions: Please take note of any NO checkmarks.

Client: WPX Energy - Carlsbad	Date Received:	04/18/24	07:45	Work Or	der ID:	E404152
hone: (539) 573-4018	Date Logged In:	04/17/24	16:52	Logged i	ln By:	Alexa Michaels
mail: devon-team@etechenv.com	Due Date:	04/18/24	17:00 (0 day TAT)	<u> </u>		
Chain of Custody (COC)						
. Does the sample ID match the COC?		Yes				
Does the number of samples per sampling site location mate	th the COC	Yes				
. Were samples dropped off by client or carrier?		Yes	Carrier: C	ourjer		
. Was the COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes		•		
i. Were all 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 disuessio		Yes	•	C	omment	s/Resolution
Sample Turn Around Time (TAT)		V		COC Remarks :	24H T	AT BTEX and TPH
5. Did the COC indicate standard TAT, or Expedited TAT?		Yes			_ ,	
Sample Cooler		1/				
. Was a sample cooler received?		Yes				
I. If yes, was cooler received in good condition?		Yes				
). Was the sample(s) received intact, i.e., not broken?		Yes				
0. Were custody/security seals present?		No				
1. If yes, were custody/security seals intact?		NA				
 Was the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling If no visible ice, record the temperature. Actual sample 	received w/i 15	Yes ⊊				
Sample Container						
4. Are aqueous VOC samples present?		No				
5. Are VOC samples collected in VOA Vials?		NA				
6. Is the head space less than 6-8 mm (pea sized or less)?		NA				
7. Was a trip blank (TB) included for VOC analyses?		NA				
8. Are non-VOC samples collected in the correct containers?		Yes				
9. Is the appropriate volume/weight or number of sample contain		Yes				
Field Label						
20. Were field sample labels filled out with the minimum info	mation:					
Sample ID?		Yes				
Date/Time Collected?		Yes	·			
Collectors name?		Yes				
Sample Preservation						
 Does the COC or field labels indicate the samples were pre- 	served?	No				
2. Are sample(s) correctly preserved?		NA				
4. Is lab filteration required and/or requested for dissolved m	etals?	No				
<u>Multiphase Sample Matrix</u>						
Does the sample have more than one phase, i.e., multiphas	e?	No				
77. If yes, does the COC specify which phase(s) is to be analy-	zed?	NA				
Subcontract Laboratory	_	No				
Subcoutract Laboratory R. Are samples required to get sent to a subcontract laborator	v?					
28. Are samples required to get sent to a subcontract laborator		NA	Subcentract Lab	: NA		
		NA	Subcontract Lab	; NA		

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

envirotech Inc.

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 #009

Work Order: E404150

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404150

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_			*	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:59

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS21 0.25'	E404150-01A Soil	04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:59:53AM

FS21 0.25' E404150-01

	E404150-01				
	1 0				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
ND	0.0250	1	04/18/24	04/18/24	
0.130	0.0250	1	04/18/24	04/18/24	
ND	0.0250	1	04/18/24	04/18/24	
0.268	0.0250	1	04/18/24	04/18/24	
0.356	0.0500	1	04/18/24	04/18/24	
0.624	0.0250	1	04/18/24	04/18/24	
	96.0 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
27.8	20.0	1	04/18/24	04/18/24	
	90.7 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2416088
8590	500	20	04/18/24	04/18/24	
4370	1000	20	04/18/24	04/18/24	
	127 %	50-200	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2416092
5050	200	10	04/18/24	04/18/24	
	ND 0.130 ND 0.268 0.356 0.624 mg/kg 27.8 mg/kg 8590 4370	Result Reporting mg/kg mg/kg ND 0.0250 0.130 0.0250 ND 0.0250 0.268 0.0250 0.356 0.0500 0.624 0.0250 96.0 % mg/kg mg/kg mg/kg 27.8 20.0 90.7 % mg/kg mg/kg 500 4370 1000 127 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 0.130 0.0250 1 ND 0.0250 1 0.268 0.0250 1 0.356 0.0500 1 0.624 0.0250 1 96.0 % 70-130 mg/kg mg/kg Analys 27.8 20.0 1 90.7 % 70-130 mg/kg mg/kg Analys 4370 1000 20 127 % 50-200 mg/kg mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 0.130 0.0250 1 04/18/24 ND 0.0250 1 04/18/24 0.268 0.0250 1 04/18/24 0.356 0.0500 1 04/18/24 0.624 0.0250 1 04/18/24 mg/kg mg/kg Analyst: EG 27.8 20.0 1 04/18/24 mg/kg mg/kg Analyst: NV 8590 500 20 04/18/24 4370 1000 20 04/18/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 04/18/24 0.130 0.0250 1 04/18/24 04/18/24 ND 0.0250 1 04/18/24 04/18/24 0.268 0.0250 1 04/18/24 04/18/24 0.356 0.0500 1 04/18/24 04/18/24 0.624 0.0250 1 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG 27.8 20.0 1 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG 04/18/24 04/18/24 mg/kg mg/kg Analyst: NV 04/18/24 04/18/24 4370 1000 20 04/18/24 04/18/24 mg/kg mg/kg Analyst: NV 04/18/24 04/18/24



QC Summary Data

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/19/2024 11:59:53AM **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 (2416085-BLK1) Prepared: 04/18/24 Analyzed: 04/18/24 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 6.94 8.00 86.7 70-130 LCS (2416085-BS1) Prepared: 04/18/24 Analyzed: 04/18/24 5.09 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.19 0.0250 5.00 104 70-130 5.18 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.11 0.0250 5.00 70-130 10.4 10.0 104 70-130 0.0500 p.m-Xvlene 104 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 89.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.19 Matrix Spike (2416085-MS1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 4.97 0.0250 5.00 ND 99.4 54-133 Benzene ND 101 61-133 Ethylbenzene 5.03 0.0250 5.00 Toluene 5.01 0.0250 5.00 ND 100 61-130 4.97 ND 99.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.28 8.00 Matrix Spike Dup (2416085-MSD1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 5.02 0.0250 5.00 ND 54-133 0.992 20 ND 61-133 5.08 0.0250 5.00 102 1.01 20 Ethylbenzene Toluene 5.06 0.0250 5.00 ND 101 61-130 0.924 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

100

102

102

90.6

63-131

63-131

63-131

70-130

0.822

0.980

0.928

20

20

20

5.01

10.2

15.2

7.25



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:59:53AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/1	9/2024 11:59:53AM
	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 (2416085-BLK1)							Prepared: 04	4/18/24 Anal	yzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
LCS (2416085-BS2)							Prepared: 04	4/18/24 Anal	yzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2416085-MS2)				Source:	E404142-	02	Prepared: 04	4/18/24 Anal	yzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike Dup (2416085-MSD2)				Source:	E404142-	02	Prepared: 04	4/18/24 Anal	yzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:59:53AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				4/1	9/2024 11:59:53AI
_	Nonha	logenated Or	ganics by	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 (2416088-BLK1)							Prepared: 0	4/18/24 Anal	yzed: 04/18/24
biesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	63.4		50.0		127	50-200			
CS (2416088-BS1)							Prepared: 0	4/18/24 Anal	yzed: 04/19/24
riesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Matrix Spike (2416088-MS1)				Source:	E404146-0	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
riesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4
urrogate: n-Nonane	62.6		50.0		125	50-200			
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
tiesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4
urrogate: n-Nonane	62.1		50.0		124	50-200			

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 16 #009 .058-0007 ilbert Moreno					Reported: 4/19/2024 11:59:53AM
Carisbau Nivi, 00220				300.0/9056A					Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4
Matrix Spike Dup (2416092-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11300	200	250	12200	NR	80-120	4.39	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:59

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.



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Project: RDX 16 #009			A	Attention: Jim Raley		Lab. V	MO#			Job	Num	ber		1D	2D	2D 3D		andard	CWA	SDWA		
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.		Lab _e V E	04	150	0	01058-0007			77	12.			5 day TAT					
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Sampled	Sampled	Matrix	Containers	Sample ID			Number	Depth(ft.)	TPH	BTEX by 8021	VOC by 8260	Met	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC			Remarks	à
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Sample Mat	rix: S - Soil, Se	- Solid, Sg	Sludge, A -	Aqueous, O - Oth	er	-	Containe						_									
					Property of the Contract of	other arrangements are made. Hazard										nt exp	ense.	The	report	t for the ana	lysis of the	above
samples is	applicable of	nly to thos	e samples	received by the	laborators	with this COC The liability of the labor	ratory is limited	to the	amou	nt nair	d for	on the	reno	rt								



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Printed: 4/18/2024 3:49:49PM

Envirotech Analytical Laboratory

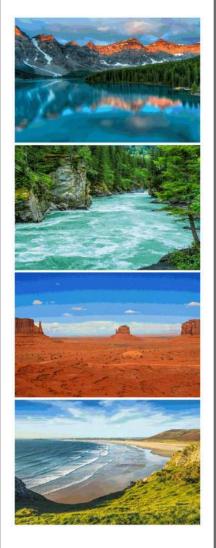
Sample Receipt Checklist (SRC)

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 04/18/24 07:45 E404150 Date Received: Work Order ID: Client: Phone: Date Logged In: 04/17/24 16:42 Logged in By: Alexa Michaels 04/18/24 17:00 (0 day TAT) Email: devon-team@etechenv.com Due Date: Chain of Custody (COC) 1. Does the sample ID match the COC? Yes 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes Carrier: Courier Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Ves Note: Analysis, such as pH which should be conducted in the field. Comments/Resolution i.e. 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) COC Remarks: 24H TAT BTEX and TPH 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? No NA 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Yes Date/Time Collected? Yes Collectors name? Yes Sample Preservation Nο 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory No 28. Are samples required to get sent to a subcontract laboratory? NA 29. Was a subcontract laboratory specified by the client and if so who? Subcontract Lab: NA Client Instruction Date

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

envirotech Inc.

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 #009

Work Order: E404151

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404151

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

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Sample Summary

_				
Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:58

Client Sample ID	Lab Sample ID Mat	trix Sampled	Received	Container	
FS22 0 25'	F404151-01A So	sil 04/16/2	4 04/18/24	Glass Jar. 2 oz.	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:58:35AM

FS22 0.25' E404151-01

	E404151-01				
	1 0				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: EG			Batch: 2416085
ND	0.0250	1	04/18/24	04/18/24	
0.0852	0.0250	1	04/18/24	04/18/24	
ND	0.0250	1	04/18/24	04/18/24	
0.127	0.0250	1	04/18/24	04/18/24	
0.0838	0.0500	1	04/18/24	04/18/24	
0.211	0.0250	1	04/18/24	04/18/24	
	87.0 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analyst: EG			Batch: 2416085
ND	20.0	1	04/18/24	04/18/24	
	88.0 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analyst: NV			Batch: 2416088
22300	500	20	04/18/24	04/18/24	
13600	1000	20	04/18/24	04/18/24	
	124 %	50-200	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2416092
6240	100	5	04/18/24	04/18/24	
	ND 0.0852 ND 0.127 0.0838 0.211 mg/kg ND mg/kg 22300 13600	Result Reporting Limit mg/kg mg/kg ND 0.0250 0.0852 0.0250 ND 0.0250 0.127 0.0250 0.0838 0.0500 0.211 0.0250 87.0 % mg/kg MD 20.0 88.0 % mg/kg 22300 500 13600 1000 124 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 0.0852 0.0250 1 ND 0.0250 1 0.127 0.0250 1 0.0838 0.0500 1 0.211 0.0250 1 87.0 % 70-130 mg/kg mg/kg Analy ND 20.0 1 88.0 % 70-130 mg/kg mg/kg mg/kg Analy 22300 500 20 13600 1000 20 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 0.0852 0.0250 1 04/18/24 ND 0.0250 1 04/18/24 0.127 0.0250 1 04/18/24 0.0838 0.0500 1 04/18/24 0.211 0.0250 1 04/18/24 87.0 % 70-130 04/18/24 mg/kg mg/kg Analyst: EG ND 20.0 1 04/18/24 mg/kg mg/kg Analyst: NV 22300 500 20 04/18/24 13600 1000 20 04/18/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 04/18/24 0.0852 0.0250 1 04/18/24 04/18/24 ND 0.0250 1 04/18/24 04/18/24 0.127 0.0250 1 04/18/24 04/18/24 0.0838 0.0500 1 04/18/24 04/18/24 0.211 0.0250 1 04/18/24 04/18/24 87.0 % 70-130 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG ND 20.0 1 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG ng/kg mg/kg Analyst: NV 22300 500 20 04/18/24 04/18/24 mg/kg mg/kg Analyst: NV 04/18/24 04/18/24 mg/kg mg/kg Analyst: IY 04/18/24

QC Summary Data

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/19/2024 11:58:35AM **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 (2416085-BLK1) Prepared: 04/18/24 Analyzed: 04/18/24 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 6.94 8.00 86.7 70-130 LCS (2416085-BS1) Prepared: 04/18/24 Analyzed: 04/18/24 5.09 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.19 0.0250 5.00 104 70-130 5.18 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.11 0.0250 5.00 70-130 10.4 10.0 104 70-130 0.0500 p.m-Xvlene 104 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 89.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.19 Matrix Spike (2416085-MS1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 4.97 0.0250 5.00 ND 99.4 54-133 Benzene ND 101 61-133 Ethylbenzene 5.03 0.0250 5.00 Toluene 5.01 0.0250 5.00 ND 100 61-130 4.97 ND 99.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.28 8.00 Matrix Spike Dup (2416085-MSD1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 5.02 0.0250 5.00 ND 54-133 0.992 20 ND 61-133 5.08 0.0250 5.00 102 1.01 20 Ethylbenzene Toluene 5.06 0.0250 5.00 ND 101 61-130 0.924 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

100

102

102

90.6

63-131

63-131

63-131

70-130

0.822

0.980

0.928

20

20

20

5.01

10.2

15.2

7.25



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:58:35AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/1	9/2024 11:58:35AM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: EG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2416085-BLK1)							Prepared: 04	4/18/24 Anal	yzed: 04/18/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130				
LCS (2416085-BS2)							Prepared: 0-	4/18/24 Anal	yzed: 04/18/24	
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130				
Matrix Spike (2416085-MS2)				Source:	E404142-	02	Prepared: 0-	4/18/24 Anal	yzed: 04/18/24	
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130				
Matrix Spike Dup (2416085-MSD2)				Source:	E404142-	02	Prepared: 0-	4/18/24 Anal	yzed: 04/18/24	
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20		

8.00

7.24

90.5

70-130



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 11:58:35AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				4/1	9/2024 11:58:35AN	
	Nonhalogenated Organics by EPA 8015D - 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 (2416088-BLK1)							Prepared: 0	4/18/24 Anal	yzed: 04/18/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	63.4		50.0		127	50-200				
LCS (2416088-BS1)							Prepared: 0	4/18/24 Anal	yzed: 04/19/24	
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132				
urrogate: n-Nonane	59.4		50.0		119	50-200				
Matrix Spike (2416088-MS1)				Source:	E404146-0	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24	
Diesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4	
urrogate: n-Nonane	62.6		50.0		125	50-200				
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24	
Diesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4	
Gurrogate: n-Nonane	62.1		50.0		124	50-200				



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:	0	DX 16 #009 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					4/19/2024 11:58:35AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4
Matrix Spike Dup (2416092-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11300	200	250	12200	NR	80-120	4.39	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 11:58

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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Client: W	PX Energ	y Permia	n, LLC.		Bill To				La	b Us	e On	ly	NEW C				TA	AT.		EPA P	rogram
And the second s	RDX 16 #0				Attention: Jim Raley		Lab, V	E404151		400	Job Number 0 058 - 007			1D 2D 3D		3D	D Standard		CWA	SDWA	
Project N	lanager:	Gilbert N	/loreno		Address: 5315 Buena Vista Dr.		E 4	OC	115	1	1010	58	-ux	77				5 da	y TAT		
	13000 W		CANDEL CHICAGO III		City, State, Zip: Carlsbad, NM, 88	220					Analys				1						RCRA
City, Stat	e, Zip_O	dessa,TX,	79765		Phone: 575-885-7502																
hone: 8	32-541-7	719			Email: jim.raley@dvn.com			8015								1				State	
Email: De	evon-tear	n@etech	nenv.com		WO: 21191055			by a										1	VM CO	UT AZ	TX
2					Incident ID: nAPP2322658221,			ORO													
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-	by: Edyt	e Konan					Œ	TPH GRO/DRO/ORO by	BTEX by 802.	Voc by 8260	Metals 6010	Chloride 300.0	101	Cation/ Anion			¥	-	×		
Time	Date	Matrix	No. of Containers	Sample ID		Lab	Depth(ft.)	E .	EXP	C by	tals	lorid	S	tion/	верос		GDOC			Remarks	
Sampled	Sampled		Containers			Number	D O	Tp	B	9	ž	5	TDS	3	BG		GD				
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, (field sam)	oler), attest t	o the validity	y and authen	ticity of this sample.	I am aware that tampering with or intentionally mis	labelling the samp	ole locati	ion,			2012/05/09 15:50									they are san	10.000000000000000000000000000000000000
date or time	of collection	is considere	ed fraud and	may be grounds for	legal action. Sampled by: EK						receive	d pack	ed in ice	e at an	avg te	mp abov	ve O but	less than	6 °C on subs	sequent days	N.
Relinquish	d by: (Sign	ature)	Date	Time	Received by: (Signature)	Date	111	Time	-07		机悬					ab Us	se On	ly			
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And	rew	MUX	Ko 4.	17.742	400	14.118	101	0	74	0	AVG	Ten	np °C	,							
ample Mat	rix: S - Soil, S			Aqueous, O - Other_		Container	Type:								er gla	355, V	- VOA	1			
Vote: Sam	oles are disc	carded 30 c	days after re	esults are reported	unless other arrangements are made. Hazard														or the ana	lysis of the	above
					boratory with this COC. The liability of the labor													1-10004010100		- Anna Carlotte Committee	



e. The report for the analysis of the above

Printed: 4/18/2024 3:43:30PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

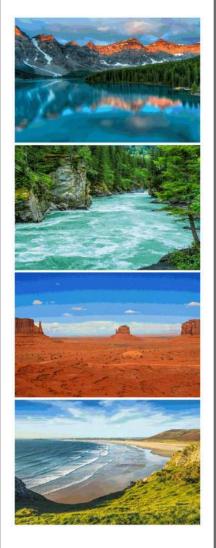
Instructions: Please take note of any NO checkmarks.

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:	04/18/24 07	:45		Work Order ID:	E404151
Phone:	(539) 573-4018	Date Logged In:	04/17/24 16	:50		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	04/18/24 17	7:00 (0 day TAT)			
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
	e number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	imples 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	l 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 disucssic			ı		Comments	s/Resolution
	urn Around Time (TAT)				COC Pan	orks · 24U T/	AT BTEX and TPH
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		COC Reii	1a1K5 . 2411 1 <i>F</i>	AI DILA anu IFII
Sample C							
	ample cooler received?		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	e received w/i 15	Yes				
	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C			2.7				
	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	ners collected?	Yes				
Field Lab		.·					
	field sample labels filled out with the minimum info ample ID?	rmation:	Yes				
	ate/Time Collected?		Yes	l			
	ollectors name?		Yes				
Sample P	reservation						
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	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				
-	act Laboratory						
	mples required to get sent to a subcontract laborator	rs.19	No				
	subcontract laboratory specified by the client and if	•		Subcontract Lab	. NA		
		30 WHO.	1471	subcontract Lab	. NA		
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 #009

Work Order: E404146

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404146

Date Received: 4/18/2024 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:30:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_			•	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:03

Client Sample ID	Lab Sample ID Mati	rix Sampled	Received	Container
FS23 0.25'	E404146-01A Soi	1 04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:03:18PM

FS23 0.25' E404146-01

	E404140-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	Analyst: EG		Batch: 2416085
ND	0.0250	1	04/18/24	04/18/24	
0.213	0.0250	1	04/18/24	04/18/24	
ND	0.0250	1	04/18/24	04/18/24	
0.506	0.0250	1	04/18/24	04/18/24	
0.654	0.0500	1	04/18/24	04/18/24	
1.16	0.0250	1	04/18/24	04/18/24	
	103 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
42.2	20.0	1	04/18/24	04/18/24	
	96.6 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2416088
22100	500	20	04/18/24	04/18/24	
10800	1000	20	04/18/24	04/18/24	
	127 %	50-200	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2416092
12200	200	10	04/18/24	04/18/24	
	mg/kg ND 0.213 ND 0.506 0.654 1.16 mg/kg 42.2 mg/kg 22100 10800	Result Reporting mg/kg mg/kg ND 0.0250 0.213 0.0250 ND 0.0250 0.506 0.0250 0.654 0.0500 1.16 0.0250 103 % mg/kg mg/kg 42.2 20.0 96.6 % mg/kg mg/kg mg/kg 22100 500 10800 1000 127 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 0.213 0.0250 1 ND 0.0250 1 0.506 0.0250 1 0.654 0.0500 1 1.16 0.0250 1 103 % 70-130 mg/kg mg/kg Analy 42.2 20.0 1 96.6 % 70-130 mg/kg mg/kg Analy 22100 500 20 10800 1000 20 127 % 50-200 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 0.213 0.0250 1 04/18/24 ND 0.0250 1 04/18/24 0.506 0.0250 1 04/18/24 0.654 0.0500 1 04/18/24 1.16 0.0250 1 04/18/24 mg/kg mg/kg Analyst: EG 42.2 20.0 1 04/18/24 mg/kg mg/kg Analyst: NV 22100 500 20 04/18/24 10800 1000 20 04/18/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 04/18/24 0.213 0.0250 1 04/18/24 04/18/24 ND 0.0250 1 04/18/24 04/18/24 0.506 0.0250 1 04/18/24 04/18/24 0.654 0.0500 1 04/18/24 04/18/24 1.16 0.0250 1 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG 42.2 20.0 1 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG 04/18/24 04/18/24 mg/kg mg/kg Analyst: NV 04/18/24 04/18/24 10800 1000 20 04/18/24 04/18/24 127 % 50-200 04/18/24 04/18/24 mg/kg mg/kg Analyst: IY

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/19/2024 12:03:18PM **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 (2416085-BLK1) Prepared: 04/18/24 Analyzed: 04/18/24 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 6.94 8.00 86.7 70-130 LCS (2416085-BS1) Prepared: 04/18/24 Analyzed: 04/18/24 5.09 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.19 0.0250 5.00 104 70-130 5.18 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.11 0.0250 5.00 70-130 10.4 10.0 104 70-130 0.0500 p.m-Xvlene 104 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 89.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.19 Matrix Spike (2416085-MS1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 4.97 0.0250 5.00 ND 99.4 54-133 Benzene ND 101 61-133 Ethylbenzene 5.03 0.0250 5.00 Toluene 5.01 0.0250 5.00 ND 100 61-130 4.97 ND 99.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.28 8.00 Matrix Spike Dup (2416085-MSD1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 5.02 0.0250 5.00 ND 54-133 0.992 20 ND 61-133 5.08 0.0250 5.00 102 1.01 20 Ethylbenzene Toluene 5.06 0.0250 5.00 ND 101 61-130 0.924 20 5.01 5.00 ND 100 63-131 0.822 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

102

102

90.6

63-131

63-131

70-130



0.980

0.928

20

20

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.2

15.2

7.25

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:03:18PM

Carlsbad NM, 88220		Project Number		lbert Moreno				4	/19/2024 12:03:18PM
	Non	halogenated	Organics l	by EPA 801	5D - 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 (2416085-BLK1)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
LCS (2416085-BS2)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2416085-MS2)				Source: 1	E404142-	02	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike Dup (2416085-MSD2)				Source: 1	E404142-	02	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20	

8.00

7.24

90.5

70-130



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:03:18PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/19	/2024 12:03:18PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		1	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 (2416088-BLK1)							Prepared: 0-	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	63.4		50.0		127	50-200			
LCS (2416088-BS1)							Prepared: 0	4/18/24 Analy	zed: 04/19/24
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Matrix Spike (2416088-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4
urrogate: n-Nonane	62.6		50.0		125	50-200			
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4
'urrogate: n-Nonane	62.1		50.0	·	124	50-200	·	·	



Matrix Spike Dup (2416092-MSD1)

Chloride

11300

200

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		DX 16 #009 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager	r: G	ilbert Moreno				4/	19/2024 12:03:18PM
		Anions	by EPA	300.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 Ana	lyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 Ana	lyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 Ana	lyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4

250

Source: E404146-01

NR

80-120

4.39

12200

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: 04/18/24 Analyzed: 04/18/24

20

M4

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:03

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.



client: W	/PX Energ	y Permia	an, LLC.			Bill To		105		Lal	b Us	e Onl	ly					TA	AT.	EPA F	rogram
Project:	RDX 16 #0	109				Attention: Jim Raley		Lab \	NQ#.			Job I	Num	ber.		1D 2D 3D		Standard	CWA	SDWA	
Project N	Nanager:	Gilbert N	/loreno			Address: 5315 Buena Vista Dr.		E4	041	46)	01058-0007			07				5 day TAT		
ddress	13000 W	County	Rd 100			City, State, Zip: Carlsbad, NM, 88	220	-				nalys									RCRA
City, Sta	te, Zip_O	lessa,TX	79765			Phone: 575-885-7502											T				
Phone: 8	32-541-7	719				Email: jim.raley@dvn.com			015					100						State	
mail: D	evon-tear	n@etech	nenv.com			WO: 21191055		1	by 8										NM C	UT AZ	TX
3						Incident ID: nAPP2322658221,		1	ORO												
_						nAPP2317840368			30/0	н	0		0.0		5	M					
collecte	d by: Edyt	e Konan						3	10/0	8021	826	2010	300		Anic			×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	втех ьу	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC		Remark	5
11:40	04.16.24	S	1			FS23)	0.25								х			24H	TAT BTEX	and TPH
					7-11-																
						OH191202H															
						OHITT						T									
																	-				
		/																			
Addition	nai Instru	tions:														_	_				
I, (field sam	pler), attest t	o the validit	y and authen	ticity of this s	ample. I am a	ware that tampering with or intentionally mis	labelling the sam	ple locat	ion,										eceived on ice the	1.0	
date or time	e of collection	is consider	ed fraud and	may be grour	nds for legal a							receive	ed pack	ed in ic	e at an	avg te	mp abo	ve 0 but	less than 6 °C on s	ibsequent days	
	ed by: (Sign	+		117124	107:3	Received by: (Signature) Received by: (Signature)	c 417	24		130		Rece	eived	l on i	ce:		ab U	se On	nly		
Mich	ed by: (Sign	onga		1724	Time 1/4/7	Indrew Musso	Date 4.17	.74	Time	13	0	<u>T1</u>				<u>T2</u>			<u>T3</u>		
17 1	ed by: (Sign	H	Date 4	-17.74	7 400	Received by: (Signature)	4.17 Date 4/18	124	Time	45	-	AVG	Ten	np °C	•	ł					
	trix: S - Soil, S	d - Solid, Sg	- Sludge, A -	Aqueous, O -			Containe					_	_			er gla	ass, v	- VOA			
Note: Sam	ples are dis	arded 30	days after re	sults are re	ported unle	s other arrangements are made. Hazard				-							_			alvsis of th	e 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: 4/18/2024 4:01:42PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

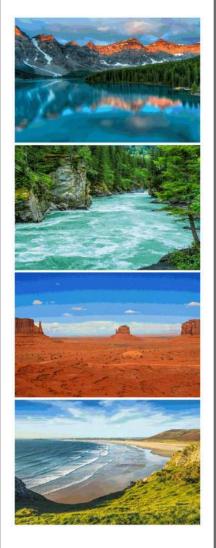
Instructions:	Please take note of any	y NO	checku	ıarks.		_	_		

If we receive no response concerning these Hems within 24 hours of the date of this notice, all the samples will be analyzed as requested. WPX Energy - Carlsbad Date Received: 04/18/24 07:30 Work Order 1D: E404146 Client: Alexa Michaels (539) 573-4018 04/17/24 16:26 Logged In By: Phone Date Logged In: Email: devon-team@etechenv.com Due Date: 04/18/24 17:00 (0 day TAT) Chain of Custody (COC) Does the sample ID match the COC? Yes 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes Carrier: Courier Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field. Comments/Resolution i.e. 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) COC Remarks: 24H TAT BTEX and TPH Yes 6. Did the COC indicate standard TAT, or Expedited TAT? Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? Nη 11. If yes, were custody/security scals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? Nσ NA 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NΑ 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample 1D? Yes Date/Time Collected? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA **Client Instruction**

Page 12 of 12

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 #009

Work Order: E404148

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404148

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

г				
ı	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:02

Client Sample ID	Lab Sample ID M	Aatrix	Sampled	Received	Container
FS25 0.25'	E404148-01A	Soil	04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:02:21PM

FS25 0.25' E404148-01

		E404148-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
Benzene	ND	0.0250	1	04/18/24	04/18/24	
Ethylbenzene	0.0613	0.0250	1	04/18/24	04/18/24	
Coluene	ND	0.0250	1	04/18/24	04/18/24	
-Xylene	0.147	0.0250	1	04/18/24	04/18/24	
o,m-Xylene	0.109	0.0500	1	04/18/24	04/18/24	
Total Xylenes	0.256	0.0250	1	04/18/24	04/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/24	04/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	04/18/24	04/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2416088
Diesel Range Organics (C10-C28)	27900	500	20	04/18/24	04/18/24	
Oil Range Organics (C28-C36)	15200	1000	20	04/18/24	04/18/24	
urrogate: n-Nonane		116 %	50-200	04/18/24	04/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2416092
Chloride	20900	400	20	04/18/24	04/18/24	



RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/19/2024 12:02:21PM **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 (2416085-BLK1) Prepared: 04/18/24 Analyzed: 04/18/24 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 6.94 8.00 86.7 70-130 LCS (2416085-BS1) Prepared: 04/18/24 Analyzed: 04/18/24 5.09 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.19 0.0250 5.00 104 70-130 5.18 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.11 0.0250 5.00 70-130 10.4 10.0 104 70-130 0.0500 p.m-Xvlene 104 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 89.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.19 Matrix Spike (2416085-MS1) Source: E404142-02 Prepared: 04/18/24 Analyzed: 04/18/24 4.97 0.0250 5.00 ND 99.4 54-133 Benzene ND 101 61-133 Ethylbenzene 5.03 0.0250 5.00 Toluene 5.01 0.0250 5.00 ND 100 61-130 4.97 ND 99.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.28 8.00

Source: E404142-02

102

101

100

102

102

90.6

54-133

61-133

61-130

63-131

63-131

63-131

70-130

0.992

1.01

0.924

0.822

0.980

0.928

ND

ND

ND

ND

ND

ND



Prepared: 04/18/24 Analyzed: 04/18/24

20

20

20

20

20

20

Matrix Spike Dup (2416085-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.02

5.08

5.06

5.01

10.2

15.2

7.25

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

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:02:21PM

Carlsbad NM, 88220		Project Number: Project Manager		ilbert Moreno				4	./19/2024 12:02:21PM
	Non	halogenated (Organics	by EPA 801	5D - G	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2416085-BLK1)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
LCS (2416085-BS2)							Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2416085-MS2)				Source: I	E404142-	02	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike Dup (2416085-MSD2)				Source: I	E404142-	02	Prepared: 0	4/18/24 An	alyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20	

8.00

7.24

90.5

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:02:21PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno				4/19	/2024 12:02:21PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO		A	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 (2416088-BLK1)							Prepared: 0-	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	63.4		50.0		127	50-200			
LCS (2416088-BS1)							Prepared: 0	4/18/24 Analy	zed: 04/19/24
Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Matrix Spike (2416088-MS1)				Source:	E404146-	01	Prepared: 0	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4
urrogate: n-Nonane	62.6		50.0		125	50-200			
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-	01	Prepared: 0	4/18/24 Analy	zed: 04/18/24
Diesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4
'urrogate: n-Nonane	62.1		50.0	·	124	50-200	·	·	·

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:	01	.058-0007					
Carlsbad NM, 88220		Project Manager:	: G	ilbert Moreno					4/19/2024 12:02:21PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	A				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-0)1	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4
Matrix Spike Dup (2416092-MSD1)				Source:	E404146-0)1	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11300	200	250	12200	NR	80-120	4.39	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:02

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 !
2
OCD:
~
6
20
124
4:
3
43:36
PM

Client: W	/PX Energ	y Permia	in, LLC.		Bill To		Lab Use Only					TAT			EPA P	rogram				
	RDX 16 #0				Attention: Jim Raley		Lab y	VO#.		0	Job N	um	per .	1	1D	2D	3D	Standard	CWA	SDWA
	/lanager:				Address: 5315 Buena Vista Dr.		EY	04	14	0	Job N 0(0	30	$-\alpha$	וש			1000	5 day TAT		B-13
	13000 W				City, State, Zip: Carlsbad, NM, 88	3220	- umas				nalysi							115 705		RCRA
City, Stat	te, Zip_Oc	lessa,TX,	79765		Phone: 575-885-7502		199	10												
Phone: 8	32-541-7	719			Email: jim.raley@dvn.com			801											State	
Email: D	evon-tear	n@etech	env.com		WO: 21191055			by	-		8- 8							NM CC	UT AZ	TX
2					Incident ID: nAPP2322658221,			TPH GRO/DRO/ORO by 8015												
				1	nAPP2317840368			DRO/	21	00	0	0.00		uo	NN		X			
Collected	d by: Edyt	e Konan		-			E	3/02	y 80	826	601	le 30	1	/ Ani				×		
Time	Date	Matrix	No. of Containers	Sample ID		Lab	Depth(ft.)	H G	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	S	Cation/ Anion	BGDOC		GDOC		Remarks	5
Sampled	Sampled		Containers	5500001 5 007-7500		Number	o	4	18	>	ž	5	TDS	S	BG		15		T DESIGNATION	
12:00	04.16.24	S	1		FS25	1	0.25								х			24H	TAT BTEX a	and TPH
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Addition	al Instruc	tions:								_				-		-			7	1000
Addition	iai ilisti uc	tions.																		
I, (field sam	pler), attest to	the validity	and auther	ticity of this sample.	I am aware that tampering with or intentionally mis	slabelling the same	ole locat	ion,	_		Samples	requir	ring the	rmal p	reserva	ation m	ust be r	eceived on ice the d	ay they are san	npled or
				may be grounds for I							received	packe	ed In Ice	at an	avg ter	np abo	ve 0 but	less than 6 °C on su	bsequent days	
	ed by: (Signa	20.00	Date	Time	The Control of the Co	Date		Time	-		7.000	20	200		La	ab U	se Or	nly	SECTIONS.	
	1610	ossessati. S	OL	117/24/7=	30 Received by: (Signature) Wichele Gonzale	es 4-17.	24	0	130	0	Rece	ived	on in	Α.		1				
Relinquish	ed by: (Signa	iture)	Date	Time	Received by: (Signature)	Date		Time	-							,	1000			
	elle G			-17-24 16	of Chadren HON	4.17	14	17	30	,	T1				T2			T3		
	ed by: (Signa		Date	Time	Received by: (Signature)	Date /		Time			100									
0 1/00	(m./	U,O	0 14	.17.74 7.0	400 29	4/19	174	M	45		AVG	Tem	n°C	Y	1					
JAN.	rivi S - Snil E	C W	Sludge A	Aqueous, O - Other _		Container	Type	9 - 010	100 0	1 - 00	ly/nla	ctic	30 - 3	mho	ar gla	SS 14	- 1/0/	V		
Note: Sam	nles are dire	arded 30 d	lave after	esults are reported	unless other arrangements are made. Hazard														nalysis of th	e ahove
					constant with this COC. The liability of the labor									circi	.c cap	ariac.	1116	application the di		



e. The report for the analysis of the above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

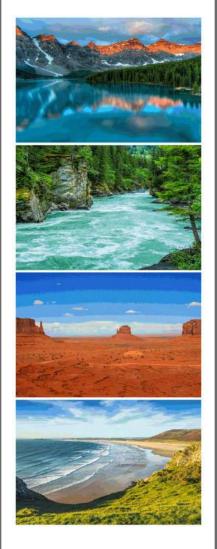
Printed: 4/18/2024 3:58:08PM

Instructions: Please take note of any NO checkmarks.

if we receive no resp	onse concernin	these items within	24 hours of the o	late of this notice.	all the samples	will be analyzed	as requested.
	POUSE CONCELUIU	P + + + + + + + + + + + + + + + + + + +	74 HOMES OF 100 C	31 1413 144114	mer cut sembies	···	no reducersor

Phone:	WPX Energy - Carlsbad	Date Received:	04/18/24 (37:45	Work Order ID	: E404148
	(539) 573-40{8	Date Logged In:	04/17/24	16:37	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (0 day TAT)	=- 33 = 7 -	
Chain at a	Controller (COC)					
	Custody (COC)		Yes			
	e sample ID match the COC? c number of samples per sampling site location match	the COC				
	imples dropped off by client or carrier?	i iiic coc	Yes Yes	C	·	
	COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	Carrier: <u>C</u>	ourier	
	I samples received within holding time?	e unury ses:	Yes			
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Note: Analysis, such as pH which should be conducted in the i.e., 15 minute hold time, are not included in this discussion.				Comme	nts/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		COC Remarks : 24H	TAT BTEX and TPH
Sample C	ooler_					
7. Was a sa	ample cooler received?		Yes			
å. If yes, w	vas cooler received in good condition?		Yes			
9. Was the	sample(s) received intact, i.e., not broken?		Yes			
10. Were o	custody/security seals present?		No			
	were custody/security seals intact?		NA			
12. Was the	sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are a minutes of sampling		Yes			
13. If no v	isible ice, record the temperature. Actual sample te	emperature: 4°C	<u>C</u>			
Sample Co	ontainer ueous VOC samples present?		No			
-	DC samples collected in VOA Vials?		NA.	1		
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA	i		
	n-VOC samples collected in the correct containers?		Yes			
	ppropriate volume/weight or number of sample container	s collected?	Yes			
Field Lab						
20. Were f	ield sample labels filled out with the minimum inform	nation:	3 7.			
	mple ID? ate/Time Collected?		Yes Yes	Į		
	ollectors name?		Yes			
Sample Pr	reservation_		100			
	he COC or field labels indicate the samples were pres	erved?	No			
2. Are sai	mple(s) correctly preserved?		NA			
4. Is lab f	filteration required and/or requested for dissolved met	als?	No			
dultiphas	se Sample Matrix					
	he sample have more than one phase, i.e., multiphase	?	No			
	does the COC specify which phase(s) is to be analyze		NA			
_	act Laboratory					
- MULTURE	mples required to get sent to a subcontract laboratory	,	No			
R Arren	subcontract laboratory specified by the client and if so		NA	Subcontract Lab	: NA	
	subcontract favoratory specified by the chefit and it so					

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 #009

Work Order: E404149

Job Number: 01058-0007

Received: 4/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/19/24

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: 4/19/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E404149

Date Received: 4/18/2024 7:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2024 7:45:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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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 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:01

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS27 0.25'	E404149-01A Soil	04/16/24	04/18/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:01:19PM

FS27 0.25' E404149-01

	E404149-01				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: EG			Batch: 2416085
ND	0.0250	1	04/18/24	04/18/24	
0.0742	0.0250	1	04/18/24	04/18/24	
ND	0.0250	1	04/18/24	04/18/24	
0.132	0.0250	1	04/18/24	04/18/24	
0.115	0.0500	1	04/18/24	04/18/24	
0.248	0.0250	1	04/18/24	04/18/24	
	92.9 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: EG		Batch: 2416085
ND	20.0	1	04/18/24	04/18/24	
	87.7 %	70-130	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2416088
27500	500	20	04/18/24	04/18/24	
15400	1000	20	04/18/24	04/18/24	
	122 %	50-200	04/18/24	04/18/24	
mg/kg	mg/kg	Analy	st: IY		Batch: 2416092
19600	400	20	04/18/24	04/18/24	
	mg/kg ND 0.0742 ND 0.132 0.115 0.248 mg/kg ND mg/kg 27500 15400	Result Reporting mg/kg mg/kg ND 0.0250 0.0742 0.0250 ND 0.0250 0.132 0.0250 0.115 0.0500 0.248 0.0250 92.9 % mg/kg MD 20.0 87.7 % mg/kg mg/kg mg/kg 27500 500 15400 1000 122 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 0.0742 0.0250 1 ND 0.0250 1 0.132 0.0250 1 0.115 0.0500 1 0.248 0.0250 1 92.9 % 70-130 mg/kg mg/kg Analy ND 20.0 1 87.7 % 70-130 mg/kg mg/kg Analy 27500 500 20 15400 1000 20 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 0.0742 0.0250 1 04/18/24 ND 0.0250 1 04/18/24 0.132 0.0250 1 04/18/24 0.115 0.0500 1 04/18/24 0.248 0.0250 1 04/18/24 mg/kg mg/kg Analyst: EG ND 20.0 1 04/18/24 mg/kg mg/kg Analyst: NV 27500 500 20 04/18/24 mg/kg mg/kg Analyst: NV 27500 500 20 04/18/24 15400 1000 20 04/18/24 mg/kg mg/kg Analyst: IY	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 04/18/24 04/18/24 0.0742 0.0250 1 04/18/24 04/18/24 ND 0.0250 1 04/18/24 04/18/24 0.132 0.0250 1 04/18/24 04/18/24 0.115 0.0500 1 04/18/24 04/18/24 0.248 0.0250 1 04/18/24 04/18/24 92.9 % 70-130 04/18/24 04/18/24 mg/kg mg/kg Analyst: EG ND 20.0 1 04/18/24 04/18/24 Mg/kg mg/kg Analyst: EG 04/18/24 04/18/24 mg/kg mg/kg Analyst: NV 04/18/24 04/18/24 27500 500 20 04/18/24 04/18/24 15400 1000 20 04/18/24 04/18/24 12

		QC Si	umma	ii y Data	a						
WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 .058-0007					Reported:		
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					4/19/2024 12:01:19PM		
		Volatile Organics by EPA 8021B							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 (2416085-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24		
Benzene	ND	0.0250					-				
Ethylbenzene	ND	0.0250									
Foluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Fotal Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.7	70-130					
LCS (2416085-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24		
Benzene	5.09	0.0250	5.00		102	70-130					
Ethylbenzene	5.19	0.0250	5.00		104	70-130					
Toluene	5.18	0.0250	5.00		104	70-130					
o-Xylene	5.11	0.0250	5.00		102	70-130					
o,m-Xylene	10.4	0.0500	10.0		104	70-130					
Total Xylenes	15.5	0.0250	15.0		104	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130					
Matrix Spike (2416085-MS1)				Source: E404142-02			Prepared: 04/18/24 Analyzed: 04/18/24				
Benzene	4.97	0.0250	5.00	ND	99.4	54-133					
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133					
Toluene	5.01	0.0250	5.00	ND	100	61-130					
-Xylene	4.97	0.0250	5.00	ND	99.5	63-131					
o,m-Xylene	10.1	0.0500	10.0	ND	101	63-131					
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131					
Gurrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130					
Matrix Spike Dup (2416085-MSD1)				Source:	E404142-	02	Prepared: 0	4/18/24 A	nalyzed: 04/18/24		
Benzene	5.02	0.0250	5.00	ND	100	54-133	0.992	20			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	1.01	20			
Toluene	5.06	0.0250	5.00	ND	101	61-130	0.924	20			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	0.822	20			
V-1	10.2	0.0500	10.0	ND	102	62 121	0.000	20			

10.0

15.0

8.00

0.0500

0.0250

ND

ND

102

102

63-131

63-131

70-130

0.980

0.928

20

20



p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.2

15.2

7.25

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:01:19PM

Carlsbad NM, 88220		Project Manager		ilbert Moreno				2	4/19/2024 12:01:19PM
	Nonhalogenated Organics by EPA 8015D - GRO						Analyst: EG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2416085-BLK1)							Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			
LCS (2416085-BS2)							Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2416085-MS2)				Source:	E404142-	02	Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
Matrix Spike Dup (2416085-MSD2)				Source:	E404142-	02	Prepared: 0	4/18/24 Ar	nalyzed: 04/18/24
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130	0.277	20	

7.24

90.5

70-130

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/19/2024 12:01:19PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				4/1	9/2024 12:01:19PN
	Nonhalogenated Organics by EPA 8015D - 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 (2416088-BLK1)							Prepared: 0	4/18/24 Anal	yzed: 04/18/24
riesel Range Organics (C10-C28)	ND	25.0							
til Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	63.4		50.0		127	50-200			
.CS (2416088-BS1)							Prepared: 0	4/18/24 Anal	yzed: 04/19/24
iesel Range Organics (C10-C28)	312	25.0	250		125	38-132			
urrogate: n-Nonane	59.4		50.0		119	50-200			
Aatrix Spike (2416088-MS1)				Source:	E404146-0	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
iesel Range Organics (C10-C28)	21700	500	250	22100	NR	38-132			M4
urrogate: n-Nonane	62.6		50.0		125	50-200			
Matrix Spike Dup (2416088-MSD1)				Source:	E404146-0	01	Prepared: 0	4/18/24 Anal	yzed: 04/18/24
riesel Range Organics (C10-C28)	24200	500	250	22100	839	38-132	10.6	20	M4
urrogate: n-Nonane	62.1		50.0		124	50-200		·	·



WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:		1058-0007					
Carlsbad NM, 88220		Project Manager:	: G	ilbert Moreno					4/19/2024 12:01:19PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2416092-BLK1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	ND	20.0							
LCS (2416092-BS1)							Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2416092-MS1)				Source:	E404146-0	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11800	200	250	12200	NR	80-120			M4
Matrix Spike Dup (2416092-MSD1)				Source:	E404146-0	01	Prepared: 0	4/18/24 A	nalyzed: 04/18/24
Chloride	11300	200	250	12200	NR	80-120	4.39	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/19/24 12:01

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.



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	DX 16 #0				Att	Attention: Jim Raley La		Lab V	NO#		^	Job I	Num	ber		1D	2D	3D	Sta	ndard	CWA	SDWA
roject M	anager:	Gilbert N	1oreno			dress: 5315 Buena Vista Dr.		E 4	04	149	9	01058-000			07				5 d	ay TAT		
	13000 W				Cit	y, State, Zip: Carlsbad, NM, 882	20					analys							T			RCRA
	e, Zip_Oc					one: 575-885-7502	7707							П								
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Time	Date	CROHAII	No. of				Lab)(ft.)	SRO	by 8	8 49)9 si	ide		n/A	20		J	1	×		
Sampled	Sampled	Matrix	Containers	Sample ID			Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC			Remarks	
12:20	04.16.24	S	1			FS27		0.25'			15-16				M	х				24H T/	AT BTEX a	nd TPH
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Addition	al Instruc	tions:																				
I, (field same	ler), attest to	the validit	y and authen	ticity of this san	nple. I am awar	e that tampering with or intentionally misla	abelling the samp	ole locati	ion,	-		Sample	es requi	iring the	rmal p	reserva	tion mu	ust be re	eceived	on ice the day	they are sam	pled or
date or time	of collection	is considere	ed fraud and	may be grounds	s for legal action	. Sampled by: EK						receive	d pack	ed in ice	at an	avg ten	np abov	e O but	less tha	n 6 °C on sub	sequent days.	
Relinquishe	d by: (Sigh:	ature)	Date	Ī	Time	Received by: (Signature)	Date	^ .	Time			Diggs				La	ab Us	e On	ly	STOR SHE		Ser la ser
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Relinquishe	d by: (Sign	turel	Date		Time	Received by: (Signature)	Date,	104	Time		JU	11				<u>T2</u>				T3		
Va	(rew)	He	40 4.	17.24	2400	200	4/18	14	18-	749	5	AVG	Ten	np °C	4							
Sample Mat	ix: S - Soil, S	d - Solid, Sg	- Sludge, A -	Aqueous, O - Ot			Container	Type:	g-g	lass,		***************************************				er gla	ss, v -	- VOA	1			
Note: Same	les are disc	arded 30	days after re	sults are repo	orted unless of	her arrangements are made. Hazardo	ous samples wil	l be ret	urned	to cli	ent or	dispo	sed of	at the	clier	it exp	ense.	The r	eport	for the ana	lysis of the	above



e. The report for the analysis of the above

envirotechs

Printed: 4/18/2024 3:53:34PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

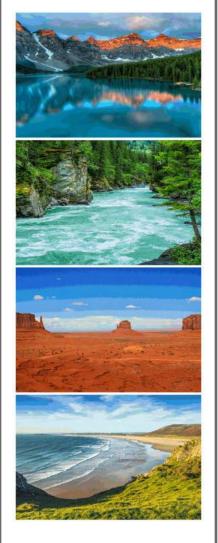
Instructions: Please take note of any NO checkmarks.

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:	04/18/24 07	:45		Work Order ID:	E404149
Phone:	(539) 573-4018	Date Logged In:	04/17/24 16	:39		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	04/18/24 17	2:00 (0 day TAT)			
	Custody (COC)		**				
	ne sample ID match the COC?	oh the COC	Yes				
	ne number of samples per sampling site location mate	en the COC	Yes				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: C	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
	ll 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	,		Comments	:/Resolution
	<u>urn Around Time (TAT)</u>				COC Dom	onles · 24H T/	AT BTEX and TPH
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			iarks : 24H 17	AI BIEA and IPH
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			<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	• • • • • • • • • • • • • • • • • • • •	ers conceted.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	i i i i i i i i i i i i i i i i i i i	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	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				
-	act Laboratory						
	act <u>Laboratory</u> Imples required to get sent to a subcontract laborator	w?	No				
	subcontract laboratory specified by the client and if	•		Subcontract Lab	NI A		
		so who:	INA S	subcontract Lab): NA		
Client Ir	<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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E405140

Job Number: 01058-0007

Received: 5/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/17/24

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: 5/17/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E405140

Date Received: 5/10/2024 5:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/10/2024 5:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/17/24 17:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18 1'	E405140-01A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS19 1'	E405140-02A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS20 1'	E405140-03A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS21 1'	E405140-04A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS22 1'	E405140-05A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS23 1'	E405140-06A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS24 1'	E405140-07A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS25 1'	E405140-08A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS26 1'	E405140-09A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS27 1'	E405140-10A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS28 0.5'- 1'	E405140-11A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.
FS29 1'	E405140-12A	Soil	05/08/24	05/10/24	Glass Jar, 2 oz.

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS18 1' E405140-01

		E403140-01				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	3610	250	10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	1800	500	10	05/14/24	05/17/24	
Surrogate: n-Nonane		98.6 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2420152
Chloride	12400	200	10	05/16/24	05/17/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS19 1' E405140-02

	_	Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		101 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		107 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		101 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	6480	500	20	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	4850	1000	20	05/14/24	05/17/24	
Surrogate: n-Nonane		106 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2420152
Chloride	14500	200	10	05/16/24	05/17/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS20 1' E405140-03

	_	Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: EG			Batch: 2419195	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	7420	500	20	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	5430	1000	20	05/14/24	05/17/24	
Surrogate: n-Nonane		109 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2420152
Chloride	11400		10	05/16/24	05/17/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS21 1' E405140-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/14/24	
Toluene	ND	0.0250	1	05/10/24	05/14/24	
o-Xylene	ND	0.0250	1	05/10/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		103 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/14/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/10/24	05/14/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	05/10/24	05/14/24	
Surrogate: Toluene-d8		103 %	70-130	05/10/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	7640	500	20	05/14/24	05/17/24	_
Oil Range Organics (C28-C36)	5880	1000	20	05/14/24	05/17/24	
Surrogate: n-Nonane		117 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2420152
Chloride	10400	200	10	05/16/24	05/17/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS22 1' E405140-05

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: EG		Batch: 2419195
Benzene	ND	0.0250		1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250		1	05/10/24	05/15/24	
Toluene	ND	0.0250		1	05/10/24	05/15/24	
o-Xylene	ND	0.0250		1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500		1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250		1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130		05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130		05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	2760	250		10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	2130	500		10	05/14/24	05/17/24	
Surrogate: n-Nonane		100 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2420152
Chloride	5670	100		5	05/16/24	05/17/24	•

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS23 1' E405140-06

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst:	EG		Batch: 2419195
Benzene	ND	0.0250	1		05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1		05/10/24	05/15/24	
Toluene	ND	0.0250	1		05/10/24	05/15/24	
o-Xylene	ND	0.0250	1		05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1		05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1		05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130		05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		111 %	70-130		05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130		05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst:	NV		Batch: 2420075
Diesel Range Organics (C10-C28)	7200	125	5		05/14/24	05/17/24	
Oil Range Organics (C28-C36)	5220	250	5		05/14/24	05/17/24	
Surrogate: n-Nonane		100 %	50-200		05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2420152
·	10400	200	10	`	05/16/24	05/17/24	•



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS24 1' E405140-07

Reporting						
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	An	alyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	2810	250	10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	1950	500	10	05/14/24	05/17/24	
Surrogate: n-Nonane		104 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2420152
Chloride	5900	100	5	05/16/24	05/17/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS25 1' E405140-08

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		100 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: EG		alyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		100 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	2450	250	10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	1670	500	10	05/14/24	05/17/24	
Surrogate: n-Nonane		99.4 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2420152
Chloride	6050	100	5	05/16/24	05/17/24	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS26 1' E405140-09

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		102 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	3310	250	10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	2020	500	10	05/14/24	05/17/24	
Surrogate: n-Nonane		102 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2420152
Chloride	11400	200	10	05/16/24	05/17/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS27 1' E405140-10

Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		100 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		100 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	3030	250	10	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	1800	500	10	05/14/24	05/17/24	
Surrogate: n-Nonane		91.1 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2420152
Chloride	12400	200	10	05/16/24	05/17/24	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS28 0.5'- 1' E405140-11

Analyzed 05/15/24 05/15/24 05/15/24 05/15/24 05/15/24 05/15/24 05/15/24	Notes Batch: 2419195
05/15/24 05/15/24 05/15/24 05/15/24 05/15/24 05/15/24	
05/15/24 05/15/24 05/15/24 05/15/24 05/15/24	Batch: 2419195
05/15/24 05/15/24 05/15/24 05/15/24 05/15/24	
05/15/24 05/15/24 05/15/24 05/15/24	
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05/15/24	
05/15/24	
05/15/24	
	Batch: 2419195
05/15/24	
05/15/24	
05/15/24	
05/15/24	
	Batch: 2420075
05/17/24	
05/17/24	
05/17/24	
	Batch: 2420152
05/17/24	
	05/15/24 05/15/24 05/15/24 05/15/24 05/15/24 05/17/24 05/17/24 05/17/24



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

FS29 1' E405140-12

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: EG		Batch: 2419195
Benzene	ND	0.0250	1	05/10/24	05/15/24	
Ethylbenzene	ND	0.0250	1	05/10/24	05/15/24	
Toluene	ND	0.0250	1	05/10/24	05/15/24	
o-Xylene	ND	0.0250	1	05/10/24	05/15/24	
p,m-Xylene	ND	0.0500	1	05/10/24	05/15/24	
Total Xylenes	ND	0.0250	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		101 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: EG		Batch: 2419195
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/24	05/15/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/10/24	05/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/10/24	05/15/24	
Surrogate: Toluene-d8		101 %	70-130	05/10/24	05/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2420075
Diesel Range Organics (C10-C28)	10100	500	20	05/14/24	05/17/24	
Oil Range Organics (C28-C36)	6760	1000	20	05/14/24	05/17/24	
Surrogate: n-Nonane		112 %	50-200	05/14/24	05/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2420152
Chloride	5820	100	5	05/16/24	05/17/24	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 5/17/2024 5:27:44PM

Volatile Organic Compounds by EPA 8260B

Analyst: EG

Volatile Organic Compounds by EPA 8260B								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 (2419195-BLK1)							Prepared: 0:	5/10/24 Anal	yzed: 05/14/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130				
Surrogate: Toluene-d8	0.512		0.500		102	70-130				
LCS (2419195-BS1)							Prepared: 0:	5/10/24 Anal	yzed: 05/14/24	
Benzene	2.72	0.0250	2.50		109	70-130	•	·		
Ethylbenzene	2.87	0.0250	2.50		115	70-130				
Toluene	2.71	0.0250	2.50		108	70-130				
o-Xylene	2.96	0.0250	2.50		118	70-130				
p,m-Xylene	5.98	0.0500	5.00		120	70-130				
Total Xylenes	8.94	0.0250	7.50		119	70-130				
Surrogate: Bromofluorobenzene	0.534	0.0220	0.500		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130				
Surrogate: Toluene-d8	0.524		0.500		105	70-130				
Matrix Spike (2419195-MS1)				Source:	E405140-	04	Prepared: 0:	5/10/24 Anal	yzed: 05/14/24	
Benzene	2.60	0.0250	2.50	ND	104	48-131				
Ethylbenzene	2.72	0.0250	2.50	ND	109	45-135				
Toluene	2.58	0.0250	2.50	ND	103	48-130				
o-Xylene	2.89	0.0250	2.50	ND	116	43-135				
p,m-Xylene	5.82	0.0500	5.00	ND	116	43-135				
Total Xylenes	8.72	0.0250	7.50	ND	116	43-135				
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130				
Surrogate: Toluene-d8	0.514		0.500		103	70-130				
Matrix Spike Dup (2419195-MSD1)				Source:	Source: E405140-04		Prepared: 0:	5/10/24 Anal	yzed: 05/14/24	
Benzene	2.55	0.0250	2.50	ND	102	48-131	2.12	23		
Ethylbenzene	2.72	0.0250	2.50	ND	109	45-135	0.0184	27		
Toluene	2.56	0.0250	2.50	ND	103	48-130	0.448	24		
o-Xylene	2.96	0.0250	2.50	ND	118	43-135	2.09	27		
p,m-Xylene	5.96	0.0500	5.00	ND	119	43-135	2.29	27		
Total Xylenes	8.91	0.0250	7.50	ND	119	43-135	2.22	27		
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.438		0.500		87.6	70-130				



0.500

104

70-130

0.518

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno5/17/20245:27:44PM

Nonhalogenated	Organics b	v 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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2419195-BLK1)							Prepared: 05	5/10/24	Analyzed: 05/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			
LCS (2419195-BS2)							Prepared: 05	5/10/24	Analyzed: 05/14/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.7	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Matrix Spike (2419195-MS2)				Source:	E405140-0	04	Prepared: 05	5/10/24	Analyzed: 05/14/24
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.1	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
Matrix Spike Dup (2419195-MSD2)				Source:	E405140-0	04	Prepared: 05	5/10/24	Analyzed: 05/14/24
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	0.0812	20	
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	5/17/2024 5:27:44PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				5/	17/2024 5:27:44PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2420075-BLK1)							Prepared: 0	5/14/24 Ana	lyzed: 05/17/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			
LCS (2420075-BS1)							Prepared: 0	5/14/24 Ana	lyzed: 05/17/24
Diesel Range Organics (C10-C28)	226	25.0	250		90.4	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			
LCS Dup (2420075-BSD1)							Prepared: 0	5/14/24 Ana	lyzed: 05/17/24
Diesel Range Organics (C10-C28)	274	25.0	250		109	38-132	19.0	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad		Project Name: RDX 16 #009							Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		1058-0007 ilbert Moreno				5	5/17/2024 5:27:44PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	A				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 (2420152-BLK1)							Prepared: 0	5/16/24 An	alyzed: 05/17/24
Chloride	ND	20.0							
LCS (2420152-BS1)							Prepared: 0	5/16/24 An	alyzed: 05/17/24
Chloride	248	20.0	250		99.3	90-110			
LCS Dup (2420152-BSD1)							Prepared: 0	5/16/24 An	alyzed: 05/17/24

250

20.0

101

90-110

1.38

20

252

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 #009	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
1	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	05/17/24 17:27

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

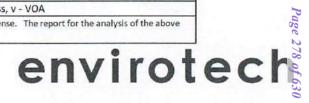
Note (1): Methods marked with ** are non-accredited methods.

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



Client: W	/PX Energ	y Permia	in, LLC.		Bill To Lab Use Only											TAT					EPA Program	
	RDX 16 #0					ention: Jim Raley		Lab	₩°±	L., 1	4	Job	Num	ber		1D	2D	3D	Stand		CWA	SDWA
	/lanager: (Iress: 5315 Buena Vista Dr.		EC	105	14		010							5 day	TAT		
	13000 W				- Innovene	, State, Zip: Carlsbad, NM, 88	3220					Analy	sis ar	nd M	ethoc							RCRA
	e, Zip_Oc		79765		Pho	ne: 575-885-7502			10										100			
	32-541-7					ail: jim.raley@dvn.com			801				- 19						-		State	T I
Email: D	evon-tean	n@etech	env.com		100 100 100	: 21191055			O by										NN	1 CO	UT AZ	TX
Collecte	d by: Edyt	e Konan				dent ID: nAPP2322658221, PP2317840368			TPH GRO/DRO/ORO by 8015	by 8021	1260	010	300.0		Anion	NN		¥				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GRO	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/	BGDOC		GDOC			Remarks	
11:00	05.08.24	S	1			FS18	1	1'								x						
11:10	05.08.24	S	1			FS19	2	1'								х						
11:20	05.08.24	S	1			FS20	3	1'	V.							х						
11:30	05.08.24	S	1			FS21	4	1'								х						
11:40	05.08.24	S	1			FS22	5	1'								x						
11:50	05.08.24	S	1			FS23	6	1'								х						
12:00	05.08.24	S	1			FS24	7	1'								х						
12:10	05.08.24	S	1			FS25	8	1'								х						
12:20	05.08.24	s	1			FS26	9	1'								х						
12:30	05.08.24	S	1			FS27	lo	1'								х						
Addition	al Instruc	tions:						To the second														
				ticity of this samp		that tampering with or intentionally mis	slabelling the sam	ole loca	ition,			100000000000000000000000000000000000000									y they are san sequent days.	
	ed by: (Signa	The state of the s	Date	Tim	011 W 25 11 (0 /) (1 - 1 - 1)	Received by: (Signature) Muhelle Gongal	Date 5-9.2	4	Time	730	0	Lab Use Only Received on ice: \(\varphi \empty \) N										
Relinquish	ed by: (Sign:	iture)	les 5	9.24	830	Received by: (Signature)	Date 5.9.		Time	83		T1				T2			T3			
Relinquish	ed by: (Signa		Date	Tim		Received by: (Signature)	Date	1	Time				Ten	np °C	L							
Sample Mat	rix: S - Soil, Se	d - Solid, Sg		Aqueous, O - Othe		17	Container	_					_		_		ass, v	- VO	A			
	processed and substitutions		A SOUND THE SECRETARY OF			ner arrangements are made. Hazaro						ALC: THE PERSON			he clie	nt ex	pense	. The	report fo	r the ar	alysis of th	ne above





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Client: WPX Energy Permian, LLC.		ESI		La	b Us						EPA P	rogram					
Project: RDX 16 #009	Attention: Jim Raley		Lab \	WO#			Job	Num	ber	_	1D	2D	3D	Standa	ard	CWA	SDWA
roject Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		EL	105	14	0	0	956	3-00	07				5 day T	AT		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 882	220					Analy:				1				15/11		RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		1														
hone: 832-541-7719	Email: jim.raley@dvn.com			3015												State	
mail: Devon-team@etechenv.com	WO: 21191055			by 8										NM	co	UT AZ	TX
	Incident ID: nAPP2322658221,			ORO													
	nAPP2317840368			RO/	17	0	0	0.0		uo	Σ		_				
collected by: Edyte Konan	The state of the s		7	0/0	807	826	9010	e 30		Anie	1000		×	×			
Time Date Sampled Sampled Matrix No. of Containers Sample ID		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/ Anion	BGDOC		GDOC		F	Remarks	
12.10 05.00.21 6 1	5620		41														
12:40 05.08.24 S 1	FS28	11	1'								X				_		
12:50 05.08.24 S 1	FS29	12	1'								х						
										_	_	1					
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			-	-			-			_	-	-	-				-
	219024				-						-						
	05/09/2024																
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			1									-					
				_								-					
dditional Instructions:			1		7,6						ī						
(field sampler), attest to the validity and authenticity of this sample.		belling the samp	le locat	tion,										received on ice t less than 6 °C			pled or
te or time of collection is considered fraud and may be grounds for l		Instr	-	Tr	-		17330000	- a provide			0.5500	100	Sec. 2000	11 11 11 11 11 11 11 11 11 11 11 11 11		form make	
elinquished by: (Signature) Date Time 05/09/214 09		5-9-2	4	6	930	6	Rec	eive	d on i	ce:	// (2	U de.	se Or V	nly			
elinquished by: (Signature) Nichelle Gonzalee 5 924 Time	Received by: (Signature)	5 . q . 2	4	Time	83	0	T1				T2			Т3			
elinguished by: (Signature) Date Time	Received by: (Signature)	Date	9	Time													
1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1	In Verell A D storal	5-10	411	0	-	7	AVG	т	00		1						
J. M. 5.9.24 20	100 Keeply 2 Hall	2-10	4		D		HVC	ı len	np c								



e. The report for the analysis of the above

envirotechs

Printed: 5/13/2024 9:26:55AM

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:	05/10/24	05:00		Work Order ID:	E405140
Phone:	(539) 573-4018	Date Logged In:	05/09/24	14:52		Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	05/16/24	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				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	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 i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u> :	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<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 th	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	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>oel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	•			
	Preservation		Yes				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	reserved:	NA				
	filteration required and/or requested for dissolved r	netals?	No				
			140				
	se Sample Matrix the sample have more than one phase, i.e., multipha	uga?	M-				
	, does the COC specify which phase(s) is to be analy		No				
-		yzeu:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	o: NA		
Client Ir	<u>nstruction</u>						
							_

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

Sient: V	VPX Energ				la							FPA P	ogram									
-	ect: RDX 16 #009 Attention: Jim Raley								WO#				Num	ber		1D	2D		2/11/	andard	CWA	SDWA
Contract of the last of the la			loreno	A LANG		Address: 5315 Buena Vista Dr.	NO ROLL	FL	105	14	D	DID	58	-00	n					lav TAT		
	13000 W					City, State, Zip: Carlsbad, NM, 8822	20		14.4	-				nd Me		1					O DESCRIPTION OF THE PERSON OF	RCRA
The second second	te, Zip_Oc					Phone: 575-885-7502												0				
00	332-541-7					Email: jim.raley@dvn.com			8015								3 19				State	
90	evon-tear	and the second second	env.com		ACCRECATE OF	WO: 21191055			oy 8(6. 3										NM CO		TX
2						Incident ID: nAPP2322658221,			RO					- 3							01111	
4					4 335	nAPP2317840368		180	0/0				0		c	5						
llecte	d by: Edyt	e Konan				171112317040300		+	GRO/DRO/ORO by	BTEX by 802	VOC by 8260	6010	300.0		Anion	Z		¥		-		
∵ Time	Date		No. of	CI- ID			Lab	Depth(ft.	GRC	(by	6	als 6	ride	71		BGDOC		00				
ampled	Sampled	Matrix	Containers	Sample ID			Number	Dep	TPH	BTE	Voc	Metals	Chlor	TDS	Cation/	BGC		GDOC			Remarks	
1,00	05.08.24					FC10	1															
11:00	05.08.24	5	1			FS18		1'								X						
11:10	05.08.24	5	1			FS19	7	1'	100									7/1				
11.10	03.06.24	0	1			L213	2	1								X						
11:20	05.08.24	5	1		A District	FS20	3	1'								~						
11.20	05,00,E4		1			1320	/	1								X						
11:30	05.08.24	5	1			FS21	11	1'								x						
11.50	00,00,00	,	-		COURT OF THE PARTY OF	1321	4	1								^						
11:40	05.08.24	S	1			F522		1'		1 - 270						x		1		A SAME		
			*			1022	5	-								^						
11:50	05.08.24	S	1			FS23	6	1'								x						
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12:00	05.08.24	5	1			FS24	7	1'						1		x						
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12:10	05.08.24	S	1			FS25	8	1'				18				X						
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12:20	05.08.24	S	1	The state of the s		FS26	9	1'								X						
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12:30	05.08.24	5	1			FS27	0	1								X		100				
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			ALC: UNKNOWN STREET, S			ss other arrangements are made. Hazardou						NCOR. ALEXA		THE RESERVE AND ADDRESS OF THE PERSON NAMED IN			ACRES OF SHARE SAFETY			rt for the a	nalucie of th	a above
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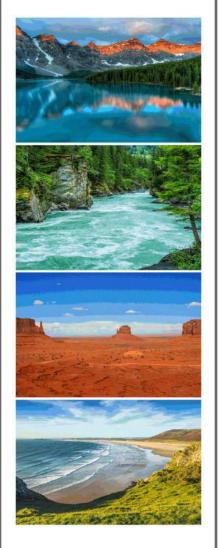


e. The report for the analysis of the above

envirotech

envirotec

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 16-9H

Work Order: E404061

Job Number: 01058-0007

Received: 4/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H

Workorder: E404061

Date Received: 4/10/2024 8:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 8:45:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Donoutodi
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:45

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW01 0-4'	E404061-01A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
SW02 0-4'	E404061-02A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
SW03 0-4'	E404061-03A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
SW04 0-1'	E404061-04A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:45:54PM

SW01 0-4' E404061-01

		E404001-01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilui	tion	Frepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst: RAS			Batch: 2415030
Benzene	ND	0.0250	1		04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1		04/10/24	04/11/24	
Toluene	ND	0.0250	1		04/10/24	04/11/24	
o-Xylene	ND	0.0250	1		04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1		04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	l	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		125 %	70-130		04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/10/24	04/11/24	
Surrogate: Toluene-d8		87.2 %	70-130		04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: RAS		Batch: 2415030		
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		125 %	70-130		04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/10/24	04/11/24	
Surrogate: Toluene-d8		87.2 %	70-130		04/10/24	04/11/24	
onhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	I	Analyst: K	CM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1		04/10/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	04/10/24	04/11/24	
Surrogate: n-Nonane		109 %	50-200		04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2415022
Chloride	25.5	20.0	1		04/10/24	04/10/24	



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:45:54PM

SW02 0-4' E404061-02

		E-10-1001-02				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
,				Analyst: RAS	7 111117 200	Batch: 2415030
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A		0.4/11/0.4	Batch: 2413030
Benzene	ND	0.0250	1	04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	04/10/24	04/11/24	
Toluene	ND	0.0250	1	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		111 %	70-130	04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/10/24	04/11/24	
Surrogate: Toluene-d8		120 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2415030
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		111 %	70-130	04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/10/24	04/11/24	
Surrogate: Toluene-d8		120 %	70-130	04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/24	04/11/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/24	04/11/24	
Surrogate: n-Nonane		109 %	50-200	04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2415022
Chloride	29.3	20.0	1	04/10/24	04/10/24	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:45:54PM

SW03 0-4'

		E404061-03					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2415030
Benzene	ND	0.0250	1	Į.	04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1	l	04/10/24	04/12/24	
Toluene	ND	0.0250	1	l	04/10/24	04/12/24	
o-Xylene	ND	0.0250	1	l	04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1	l	04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1	l	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		102 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2415030
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		102 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1		04/10/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/10/24	04/11/24	
Surrogate: n-Nonane		111 %	50-200		04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	DT		Batch: 2415022
Chloride	30.4	20.0	1		04/10/24	04/10/24	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:45:54PM

SW04 0-1' E404061-04

		E404001-04					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
•						i mary 20d	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 1			Batch: 2415030
Benzene	ND	0.0250	1		04/10/24	04/12/24	
Ethylbenzene	ND	0.0250	1		04/10/24	04/12/24	
Toluene	ND	0.0250	1		04/10/24	04/12/24	
o-Xylene	ND	0.0250	1		04/10/24	04/12/24	
p,m-Xylene	ND	0.0500	1		04/10/24	04/12/24	
Total Xylenes	ND	0.0250	1		04/10/24	04/12/24	
Surrogate: Bromofluorobenzene	·	106 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		122 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: 1	RAS		Batch: 2415030
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/10/24	04/12/24	
Surrogate: Bromofluorobenzene		106 %	70-130		04/10/24	04/12/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/10/24	04/12/24	
Surrogate: Toluene-d8		122 %	70-130		04/10/24	04/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1		04/10/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	04/10/24	04/11/24	
Surrogate: n-Nonane		111 %	50-200		04/10/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	DT		Batch: 2415022
Chloride	28.8	20.0	1		04/10/24	04/10/24	



RDX 16-9H WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/16/2024 2:45:54PM **Volatile Organic Compounds by EPA 8260B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2415030-BLK1) Prepared: 04/10/24 Analyzed: 04/11/24 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 0.539 0.500 108 70-130 Surrogate: 1,2-Dichloroethane-d4 0.507 0.500 101 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.509 LCS (2415030-BS1) Prepared: 04/10/24 Analyzed: 04/11/24 2.57 0.0250 2.50 103 70-130 Benzene 2.49 2.50 99.7 70-130 Ethylbenzene 0.0250 2.29 0.0250 2.50 91.6 70-130 2.72 109 70-130 0.0250 2.50 o-Xylene 5.42 5.00 108 70-130 p,m-Xylene 0.0500 8.14 0.0250 7.50 109 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.561 0.500 112 70-130 0.500 97.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.487 70-130 Surrogate: Toluene-d8 0.471 0.500 Matrix Spike (2415030-MS1) Source: E404058-30 Prepared: 04/10/24 Analyzed: 04/11/24 48-131 2.58 0.0250 2.50 ND 45-135 Ethylbenzene 2.55 0.0250 2.50 ND 102 48-130 Toluene 2.23 0.0250 2.50 ND 89.3 2.42 0.0250 2.50 ND 96.6 43-135 o-Xylene 4.84 5.00 ND 96.8 43-135 p,m-Xylene 0.0500 Total Xylenes 7.26 0.0250 7.50 ND 96.8 43-135 Surrogate: Bromofluorobenzene 0.504 0.500 101 70-130 0.500 95.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.478 0.500 70-130 0.456 91.1 Surrogate: Toluene-d8 Matrix Spike Dup (2415030-MSD1) Source: E404058-30 Prepared: 04/10/24 Analyzed: 04/11/24 2.55 0.0250 2.50 ND 102 48-131 1.40 23 2.52 0.0250 2.50 ND 101 45-135 1.10 27 Ethylbenzene ND 95.8 48-130 7.03 24 2.39 2.50 Toluene 0.0250 o-Xylene 2.59 0.0250 2.50 ND 104 43-135 7.07 27

5.00

7.50

0.500

0.500

0.500

0.0500

0.0250

ND

ND

103

104

105

96.3

98.3

43-135

43-135

70-130

70-130

70-130

6.60

6.76

27

27



p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

5.17

7.77

0.527

0.482

0.492

WPX Energy - CarlsbadProject Name:RDX 16-9HReported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno4/16/20242:45:54PM

Vonhalogenated	Organice	by FDA	2015D	CPO

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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415030-BLK1)							Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS (2415030-BS2)							Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0	<u> </u>	129	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike (2415030-MS2)				Source:	E404058-3	30	Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			
Matrix Spike Dup (2415030-MSD2)				Source:	E404058-3	30	Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130	0.496	20	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:45:54PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				4/	16/2024 2:45:54PN
Nonhalogenated Organics by EPA 8015D - 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 (2415026-BLK1)							Prepared: 0	4/10/24 Ana	lyzed: 04/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.2		50.0		114	50-200			
LCS (2415026-BS1)							Prepared: 0	4/10/24 Ana	lyzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			
LCS Dup (2415026-BSD1)							Prepared: 0	4/10/24 Ana	lyzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132	0.233	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		DX 16-9H 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					4/16/2024 2:45:54PM
		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 (2415022-BLK1)							Prepared: 0	4/09/24 Ar	nalyzed: 04/09/24
Chloride	ND	20.0							
LCS (2415022-BS1)							Prepared: 0	4/09/24 Ar	nalyzed: 04/09/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2415022-BSD1)							Prepared: 0	4/09/24 Ar	nalyzed: 04/09/24

250

20.0

100

90-110

0.223

20

251

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 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:45

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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	RDX 16-91				Attention: Jim Raley			WO#			Job N				1D	2D	3D	Standard	CWA	SDW
		Gilbert M			Address: 5315 Buena Vista Dr.	9	F	1040	3/8		010							5 Day TAT		
		County F			City, State, Zip: Carlsbad, NM, 8	8220					Analys	is an	nd Me	ethod		_				RCF
		lessa,TX,	79765		Phone: 575-885-7502		-	O by		4								I Think		
	32-541-7				Email: jim.raley@dvn.com		-	/OR							_			unal co	State	Tavil
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Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC		Remarks	i
14:20	4.9.24	S	1		SW01	1	0-4'								X			nAF	P232265	8221
14:30	4.9.24	S	1		SW02	2	0-4'								Х			nAF	P231784	0368
14:40	4.9.24	S	1		SW03	3	0-4'								Х					
14:50	4.9.24	S	1		SW04	4	0-1'								х					
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Addition	al Instruc	tions:					<u> </u>													
, (field same	oler), attest t	o the validity	and authent	icity of this sample. Ta	n aware that tampering with or intentionally	mislabelling the sa	mple lo	ocation			Samples	requir	ring the	rmal pr	reserva	ation mu	ıst be re	ceived on ice the day	they are samp	pled or
				may be grounds for lega							received	l packe	ed in ice	at an a	vg ten	np abov	e 0 but l	less than 6 °C on sub	equent days.	
Relinquishe	ed by: (Sign		Date 4, 0	9.24 D930	Received by: (Signature) Wichelle Gonza	les 4-9.		Time	930	د	Rece	ived	on i	ce:		ab Us	se On	ly		
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٠.٠	٠,,			queous, O - Other	- Confidence	Containe	- 1						*/		•					-



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 4/10/2024 2:08:58PM

Cacut.	Date Received: Date Logged In:	04/10/24 04/09/24			Work Order ID: Logged in By:	E404061 Angelina Pineda	
	Due Date:		17:00 (4 day TAT)		Logged III Dy.		
Chain of Custody (COC)						<u> </u>	
1. Does the sample ID match the COC?		Yes				-	
Does the number of samples per sampling site location match	the COC	Yes					
3. Were samples dropped off by client or carriet?		Yes	Carrier: C	ourier			
4. Was the COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes					
 Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e. 15 minute hold time, are not included in this disuession. 		Yes			Commen	ts/Resolution	
Sample Turn Around Time (TAT)							
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes	'				
Sample Cooler		V					
7. Was a sample cooler received?		Yes		l			
8. If yes, was cooler received in good condition?		Yes					
9. Was the sample(s) received intact, i.e., not broken?		Yes					
10. Were custody/security seals present?		No					
11. If yes, were custody/security seals intact?	ea. 5 40	NA 					
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are a minutes of sampling	eceived w/i 15	Yes					
13. If no visible ice, record the temperature. Actual sample to	эпрегасие: <u>4</u>	느					
Sample Container		No		1			
14. Are aqueous VOC samples present?		NA NA					
15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)?		NA.					
17. Was a trip blank (TB) included for VOC analyses?		NA					
18. Are non-VOC samples collected in the correct containers?		Yes					
19. Is the appropriate volume/weight or number of sample contains	rs collected?	Yes					
Field Label							
20. Were field sample labels filled out with the minimum infor	mation:						
Sample ID?		Yes					
Date/Time Collected?		Yes	'		 _		
Collectors name? Sample Preservation		Yes					
21. Does the COC or field labels indicate the samples were pre-	served?	No					
22. Are sample(s) correctly preserved?		NA					
24. Is lab filteration required and/or requested for dissolved me	tals?	No					
Multiphase Sample Matrix							
26. Does the sample have more than one phase, i.e., multiphase	7	No					
27. If yes, does the COC specify which phase(s) is to be analyz		NA					
Subcontract Laboratory							
28. Are samples required to get sent to a subcontract laboratory	7	No					
29. Was a subcontract laboratory specified by the client and if s		NA	Subcontract Lab	: NA			
Client Instruction							

Project	Informatio

Chain of Custody

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Page	of 1

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Phone: 8	32-541-7	719				Ema	il: jim.raley@dvn.co	om			BO.		1,45				101						State	
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Time Sampled	Date Sampled	Matrix	No. of Containers			FELL	Sample ID		Lab Number	Depth(ft.	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	SQL	Cation/Anion	верос		GDOC			Remarks	
14:20	4.9.24	g s	1				SW01			0-4		ш.	_	-	Ü	-	J	X		Ü		nAP	P232265	8221
14:30	4.9.24	S	1	Mylen.			SW02		2	0-4								x				nAP	P231784	0368
14:40	4.9.14	S	1				SW03		3	0-4								х						
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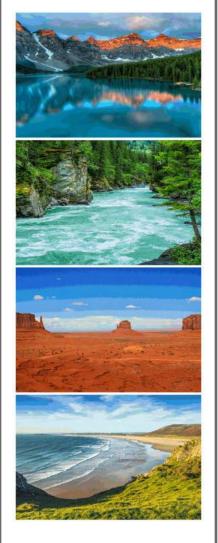


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Report to:
Gilbert Moreno



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 16-9H

Work Order: E404060

Job Number: 01058-0007

Received: 4/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/16/24

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: 4/16/24

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16-9H Workorder: E404060

Date Received: 4/10/2024 8:45:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2024 8:45:00AM, under the Project Name: RDX 16-9H.

The analytical test results summarized in this report with the Project Name: RDX 16-9H 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

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:48

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW05 0-1'	E404060-01A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.
SW06 0-4'	E404060-02A Soil	04/08/24	04/10/24	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:48:31PM

SW05 0-1' E404060-01

		E404000-01					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2415030
Benzene	ND	0.0250	1		04/10/24	04/11/24	
Ethylbenzene	ND	0.0250	1	[04/10/24	04/11/24	
Toluene	ND	0.0250	1	l	04/10/24	04/11/24	
o-Xylene	ND	0.0250	1	l	04/10/24	04/11/24	
p,m-Xylene	ND	0.0500	1	l	04/10/24	04/11/24	
Total Xylenes	ND	0.0250	1	l	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		109 %	70-130		04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		04/10/24	04/11/24	
Surrogate: Toluene-d8		98.4 %	70-130		04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2415030
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/10/24	04/11/24	
Surrogate: Bromofluorobenzene		109 %	70-130		04/10/24	04/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		04/10/24	04/11/24	
Surrogate: Toluene-d8		98.4 %	70-130		04/10/24	04/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2415026
Diesel Range Organics (C10-C28)	ND	25.0	1	[04/10/24	04/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/10/24	04/10/24	
Surrogate: n-Nonane		110 %	50-200		04/10/24	04/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2415036
Chloride	9750	200	10	0	04/10/24	04/10/24	



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16-9H	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:48:31PM

SW06 0-4' E404060-02

	E404000-02					
D. k			.· -			N
Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: RAS	S		Batch: 2415030
ND	0.0250	1	(04/10/24	04/11/24	
ND	0.0250	1	(04/10/24	04/11/24	
ND	0.0250	1	(04/10/24	04/11/24	
ND	0.0250	1	(04/10/24	04/11/24	
ND	0.0500	1	(04/10/24	04/11/24	
ND	0.0250	1	(04/10/24	04/11/24	
	110 %	70-130	C	04/10/24	04/11/24	
	102 %	70-130	C	04/10/24	04/11/24	
	87.0 %	70-130	C	04/10/24	04/11/24	
mg/kg	mg/kg	A	Analyst: RAS	S		Batch: 2415030
ND	20.0	1	(04/10/24	04/11/24	
	110 %	70-130	C	04/10/24	04/11/24	
	102 %	70-130	C	04/10/24	04/11/24	
	87.0 %	70-130	d	04/10/24	04/11/24	
mg/kg	mg/kg	A	Analyst: KM			Batch: 2415026
ND	25.0	1	(04/10/24	04/10/24	
ND	50.0	1	(04/10/24	04/10/24	
	108 %	50-200	C	04/10/24	04/10/24	
mg/kg	mg/kg	A	Analyst: IY			Batch: 2415036
10100	200	10) (04/10/04	04/10/24	
	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 0.0250 II0 % 102 % 87.0 % 87.0 % mg/kg mg/kg ND 20.0 110 % 102 % 87.0 % 87.0 % mg/kg mg/kg ND 25.0 ND 50.0 108 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 102% 70-130 102% 87.0% 70-130 1 mg/kg mg/kg 1 ND 20.0 1 110% 70-130 1 87.0% 70-130 1 mg/kg mg/kg 1 ND 25.0 1 ND 50.0 1 108% 50-200 mg/kg mg/kg	Reporting Result Limit Dilution Dilution mg/kg mg/kg Analyst: RAS ND 0.0250 1 0 ND 0.0250 1 0 ND 0.0250 1 0 ND 0.0500 1 0 ND 0.0250 1 0 ND 0.0250 1 0 102% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 102% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0% 70-130 0 0 87.0	Reporting Result Limit Dilution Prepared mg/kg Analyst: RAS ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0250 1 04/10/24 ND 0.0500 1 04/10/24 ND 0.0250 1 04/10/24 ND 70-130 04/10/24 87.0 % 70-130 04/10/24 87.0 % 70-130 04/10/24 110 % 70-130 04/10/24 102 % 70-130 04/10/24 87.0 % 70-130 04/10/24 87.0 % 70-130 04/10/24 87.0 % 70-130 04/10/24 87.0 % 70-130 04/10/24 ND 25.0 1 04/10/24 ND 50.0 1 04/10/24 ND 50.0 1 04/10/24	Result Limit Dilution Prepared Analyzed mg/kg Malyster mg/kg Analyster Mg/kg Malyster ND 0.0250 1 04/10/24 04/11/24 ND 70-130 04/10/24 04/11/24 04/11/24 87.0 % 70-130 04/10/24 04/11/24 04/11/24 MD 20.0 1 04/10/24 04/11/24 MD 70-130 04/10/24 04/11/24 MD 70-130 04/10/24 04/11/24 MD 25.0 1 04/10/24 04/10/24 MD 50.0



RDX 16-9H WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 4/16/2024 2:48:31PM **Volatile Organic Compounds by EPA 8260B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2415030-BLK1) Prepared: 04/10/24 Analyzed: 04/11/24 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 0.539 0.500 108 70-130 Surrogate: 1,2-Dichloroethane-d4 0.507 0.500 101 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.509 LCS (2415030-BS1) Prepared: 04/10/24 Analyzed: 04/11/24 2.57 0.0250 2.50 103 70-130 Benzene 2.49 2.50 99.7 70-130 Ethylbenzene 0.0250 2.29 0.0250 2.50 91.6 70-130 2.72 109 70-130 0.0250 2.50 o-Xylene 5.42 5.00 108 70-130 p,m-Xylene 0.0500 8.14 0.0250 7.50 109 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.561 0.500 112 70-130 0.500 97.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.487 70-130 Surrogate: Toluene-d8 0.471 0.500 Matrix Spike (2415030-MS1) Source: E404058-30 Prepared: 04/10/24 Analyzed: 04/11/24 48-131 2.58 0.0250 2.50 ND 45-135 Ethylbenzene 2.55 0.0250 2.50 ND 102 48-130 Toluene 2.23 0.0250 2.50 ND 89.3 2.42 0.0250 2.50 ND 96.6 43-135 o-Xylene 4.84 5.00 ND 96.8 43-135 p,m-Xylene 0.0500 Total Xylenes 7.26 0.0250 7.50 ND 96.8 43-135 Surrogate: Bromofluorobenzene 0.504 0.500 101 70-130 0.500 95.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.478 0.500 70-130 0.456 91.1 Surrogate: Toluene-d8 Matrix Spike Dup (2415030-MSD1) Source: E404058-30 Prepared: 04/10/24 Analyzed: 04/11/24 2.55 0.0250 2.50 ND 102 48-131 1.40 23



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.52

2.39

2.59

5.17

7.77

0.527

0.482

0.492

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

ND

ND

101

95.8

104

103

104

105

96.3

98.3

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

1.10

7.03

7.07

6.60

6.76

27

24

27

27

27

WPX Energy - CarlsbadProject Name:RDX 16-9HReported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno4/16/20242:48:31PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

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

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415030-BLK1)							Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS (2415030-BS2)							Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0	<u> </u>	129	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike (2415030-MS2)				Source:	E404058-3	30	Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			
Matrix Spike Dup (2415030-MSD2)				Source:	E404058-3	30	Prepared: 04	1/10/24	Analyzed: 04/11/24
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130	0.496	20	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16-9H	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	4/16/2024 2:48:31PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				4/.	16/2024 2:48:31PI
	Nonhal	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 (2415026-BLK1)							Prepared: 0	4/10/24 Ana	yzed: 04/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.2		50.0		114	50-200			
LCS (2415026-BS1)							Prepared: 0	4/10/24 Ana	yzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			
LCS Dup (2415026-BSD1)							Prepared: 0	4/10/24 Ana	yzed: 04/10/24
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132	0.233	20	
Surrogate: n-Nonane	56.1		50.0		112	50-200			



WPX Energy - Carlsbad		Project Name:	R	DX 16-9H					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		1058-0007 ilbert Moreno					4/16/2024 2:48:31PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2415036-BLK1)							Prepared: 0	4/10/24 A	nalyzed: 04/10/24
Chloride	ND	20.0							
LCS (2415036-BS1)							Prepared: 0	4/10/24 A	nalyzed: 04/10/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2415036-MS1)				Source:	E404058-2	25	Prepared: 0	4/10/24 A	nalyzed: 04/10/24
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2415036-MSD1)				Source:	E404058-2	25	Prepared: 0	4/10/24 A	nalyzed: 04/10/24
Chloride	263	20.0	250	ND	105	80-120	0.459	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 16-9H	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	04/16/24 14:48

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.



1	_ of _	Received by OCD: 8/6/2024 4:43:36 I
		t by OCI
		D: 8/6/2
		024 4:4
		3:36 I

lient: W	PX Energ	y Permia	n IIC			Bill To				1:	ah He	se Only	,				-	FDA D	rogram		
The last terminal and the state of the state of	RDX 16-9	* December 1	.,,		1	Attention: Jim Raley		Lah	WO			Job N		ner	-	1D	2D	TA 3D	Standard	CWA	SDW
		Gilbert M	loreno			Address: 5315 Buena Vista Dr.		F	400	- la	00	00	-8	-00	5		20	-	5 Day TAT	CVA	3000
		County I				City, State, Zip: Carlsbad, NM,	38220			100		Analysi									RCR
City, State	e, Zip_Oc	lessa,TX,	79765			Phone: 575-885-7502			þ				T	T				T			
hone: 83	32-541-7	719			Email: jim.raley@dvn.com		1	ORO											State		
		n@etech				WBS/WO: 21191055			RO/(- I			0.0		6	Σ	- 1	, l	NM CO	UT AZ	TX
Collected	by: Gilbe	ert More	10			Incident ID: See Remarks		T.	0/0	/ 802	826	6010	90		-			ĭ	×		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC		Remarks	
15:00	4.9.24	S	1		SW05			0-1								x			nAP	P232265	8221
15:10	4.9.24	S	1			SW06	2	0-4								х			nAP	P231784	0368
	G	e Syrin	~																		
	al Instruc																			-	
				icity of this samp may be grounds f		aware that tampering with or intentionally oction. Sampled by: GM	mislabelling the sa	mple l	ocation	١,									eived on ice the day ess than 6 °C on subs		oled or
6	d by Sign	8	Date 4.	9.24 C	930	Received by: (Signature)	les 4-9.	24	Time	930)	Receiv	ved	on ic	e: (-	b Use / N	Onl	ly		
	ed by: (Sign	ature)	les 4-	9-24 Time	622	Received by: (Signature)	Gate 4.9	24	Time	715	5	T1				<u> </u>			T3		
Relinquishe	ed by: (Sign	ature)	Date 4.	Time		Received by: (Signature)	Date	bu	Time	JK		AVG 1	[emi	n°C	4						



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

Page 31

Environment of the analysis of the ne report.

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 4/10/2024 1:48:42PM

Instructions: Please take note of any NO checkmarks.

|--|

	Date Received:	04/10/24	08:45		Work Order ID:	E404060
Phone: (539) 573-4018	Date Logged In:	04/09/24	17:24		Logged In By:	Angelina Pineda
Email: devon-team@etechenv.com	Due Date:	04/16/24	17:00 (4 day TAT)			
Chain of Custody (COC)						
1. Does the sample ID match the COC?		Yes				
2. Does the number of samples per sampling site location mate	the COC	Yes				
3. Were samples dropped off by client or carrier?		Yes	Carrier:	Courier		
Was the COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
 Were all 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 disuession. 		Yes			<u>Commen</u>	ts/Resolution
Sample Turn Around Time (TAT)						
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes				
Sample Cooler						
7. Was a sample cooler received?		Yes				
8. If yes, was cooler received in good 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		ŀ		
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling 13. If no visible ice, record the temperature. Actual sample 	received w/i 15	Yes C				
Sample Container	, –	_				
14. Are aqueous VOC samples present?		No		!		
15. Are VOC samples collected in VOA Vials?		NA				
16. Is the head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a trip blank (TB) included for VOC analyses?		NA				
18. Are non-VOC samples collected in the correct containers?		Yes		i		
19. Is the appropriate volume/weight or number of sample contain		Yes				
Field Label						
20. Were field sample labels filled out with the minimum info	rmation:					
Sample ID?		Yes				
Date/Time Collected?		Yes				
Collectors name?		Yes				
Sample Preservation						
21. Does the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sample(s) correctly preserved?	atole?	NA Na				
24. Is lab filteration required and/or requested for dissolved m	ctais:	No				
Multiphase Sample Matrix	_					
26. Does the sample have more than one phase, i.e., multiphas		No				
27. If yes, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontract Laboratory						
28. Are samples required to get sent to a subcontract laborator	y?	No				
20. Att samples required to get sent to a subconsider laborator	so who?	NA	Subcontract Lai	o: NA		
29. Was a subcontract laboratory specified by the client and if						

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

Date

envirotech Inc.

Project	Informatio

Chain of Custody

	Page	of	Received by OCD: 8/6/2024 4:43:36 PM
Pr	ogram		9
	SDWA		.ë
	RCRA		8/6/2024
Z	TX		4:43:36
			PM

				Company of the last																		
	PX Energ		n, LLC			Bill To	A TOM			L	ab Us	se On	ly	5 2	-			TA	\T		EPA P	rogram
	RDX 16-91					Attention: Jim Raley			Lab WO# Job Number							2D	D 3D Standard		andard	CWA	SDWA	
	/lanager: (A	Address: 5315 Buena Vista Dr.			E 404000 01058-000										ay TAT			
The second secon	13000 W	AND DESCRIPTION OF THE PARTY OF			C	City, State, Zip: Carlsbad, NM, 88220			Analysis and Method									- 16			RCRA	
City, Stat	e, Zip_Od	lessa,TX,	79765		P	none: 575-885-7502																
hone: 8	32-541-7	719			E	mail: jim.raley@dvn.com			RO												State	
mail: De	evon-tean	n@etech	env.com			/BS/WO: 21191055			0/0	-	53.50		0		5	NM		- C.		NM CO		TX
Collected	by: Gilbe	ert Morei	no			cident ID: See Remarks		7	TPH GRO/DRO/ORO by	802	3260	010	300		Anic			¥				
Time	Date	Matrix	No. of			Samuel ID	Lab	th (f	GRC	(ph	by 8	als 6	ride		Ou/	00	4	y	211			
Sampled	Sampled	Maurix	Containers			Sample ID	Number	Depth(ft.)	TPH	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	верос		GDOC			Remarks	
15:00	4.6.24	S	1			CINIOS							_					-				and the same of
15:00	4.0.24	3	1			SW05	1	0-1								X				nAP	P232265	8221
15:10	1021	S	1			SIMPS	2									19.3						
15:10	4.9.24	, 3	1			SW06	6	0-4		249						X		. 1		nAP	P231784	0368
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Addition	al Instruc	tions:						H I											119			
, (field sam	pler), attest t	o the validit	y and auther	nticity of this	sample. I am aw	are that tampering with or intentionally mislat	elling the sa	mple l	ocation	n,	777	Sample	s requi	ring the	rmal pr	eserva	tion mu	st be re	ceived	on ice the day	they are samp	oled or
					inds for legal act		and the same of the	untra Million 2	estro-model			receive	d packe	ed in ice	at an a	vg tem	p abov	e 0 but l	less tha	n 6 °C on subse	equent days.	
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Chigher 4.9.24 0930 Michelle Gonzales 4.0						4-9.	24	0	930)	Rece	ived	on in	:e:	-	/ N						
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	trix: S - Soil, S	d - Solid Se	APPROXIMATION AND ADDRESS OF THE PARTY OF TH			1000 Max	Captain	<u> </u>	10	alana	_							1/0	^			
						other arrangements are made. Hazardo	Containe	will b	e:g-	Riass	p-p	ot cr	astic	ag-	amb	ergia	ass, V	- VU/	The			of the
above san	ples is appl	icable only	to those sa	mples rece	ived by the lab	oratory with this COC. The liability of the	laboratory	is limi	ted to	thea	moun	t paid	for or	the r	enort	clien	r exp	ense.	ine r	eport for th	ie analysis	ortne



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

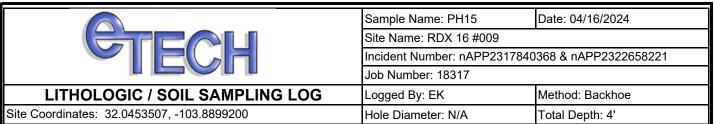
Page 312 of 630

APPENDIX F

Soil Sampling Logs

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





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/Roc k Symbol	Lithologic Descriptions/Notes
Dry	216	0.5	No	PH15	0 0.5	0	CCHE	(0-4') CALICHE, dry, tan, fine to coarse grain, some grave trace silt, no stain, no odor.
Dry	<116	1.1	No		1 _	1		
Dry	708	1.2	No		2	2		
					- - -	3		
Dry	592	0.3	No	PH15	4	4		

Total Depth

APPENDIX G

Correspondence & Notifications

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Erick Herrera

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

Sent: Thursday, September 21, 2023 2:24 PM

To: Raley, Jim

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

Subject: (Extension Approval) - RDX 16-9H - nAPP2317840368 and nAPP2322658221

RE: Incident #NAPP2317840368 and NAPP2322658221

Jim,

Your request for an extension to **December 23rd, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, September 21, 2023 9:46 AM

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

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

Subject: [EXTERNAL] RDX 16-9H Extension Request - nAPP2322658221 and nAPP2322658221

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 #009 (Site).

A produced water release was discovered on June 26, 2023, and subsequently assigned Incident Number nAPP2317840368. Note: the date of discovery for this release on the initial C-141 is incorrect and will be updated on the Final C-141. A cultural survey was completed for the proposed work area in pasture soil to conduct delineation activities. Cultural is finalizing a report for State Land Office (SLO) and will be sent for review. An additional inadvertent release of produced water occurred on August 14, 2023 (nAPP2322658221) and overlapped the area impacted by nAPP2322658221, therefore additional investigation and planning are warranted to allow cultural and the State Land Office to provide additional clearance for corrective actions to address both incidents.

To provide enough time for additional planning, remediation activities and subsequent corrective action report, WPX requests an extension of the deadline for the two overlapping releases associated with Incident Number nAPP2317840368 and nAPP2322658221 to **December 23, 2023**.

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



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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 329007

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	329007
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2317840368				
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752				
Incident Type	Produced Water Release				
Incident Status	Remediation Plan Approved				
Incident Well	[30-015-39752] RDX 16 #009				

Location of Release Source				
Site Name	RDX 16 #009			
Date Release Discovered	06/26/2023			
Surface Owner	State			

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	10,422
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions.
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to site GPS (32.0453, -103.8901).

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

CONDITIONS

Action 329007

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	329007
	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.	4/2/2024

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

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

QUESTIONS

Action 329031

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	329031
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2322658221				
Incident Name	NAPP2322658221 RDX 16 #009 @ 30-015-39752				
Incident Type	Produced Water Release				
Incident Status	Remediation Plan Approved				
Incident Well	[30-015-39752] RDX 16 #009				

Location of Release Source				
Site Name	RDX 16 #009			
Date Release Discovered	08/14/2023			
Surface Owner	State			

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	10,422	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions.	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to site GPS (32.0453, -103.8901).	

District III

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

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

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

CONDITIONS

Action 329031

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	329031
	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.	4/2/2024

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

QUESTIONS

Action 332455

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	332455
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317840368
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39752] RDX 16 #009

Location of Release Source	
Site Name RDX 16 #009	
Date Release Discovered	06/26/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	10,422	
What is the estimated number of samples that will be gathered	30	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/16/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to Site GPS (32.0453, -103.8901).	

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CONDITIONS

Action 332455

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	332455
	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.	4/11/2024

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

QUESTIONS

Action 332457

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	332457
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322658221
Incident Name	NAPP2322658221 RDX 16 #009 @ 30-015-39752
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39752] RDX 16 #009

Location of Release Source	
Site Name RDX 16 #009	
Date Release Discovered	08/14/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	10,422
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/16/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to Site GPS (32.0453, -103.8901).

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

CONDITIONS

Action 332457

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	332457
	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.	4/11/2024

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

QUESTIONS

Action 341030

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	341030
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2317840368	
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752	
Incident Type	Produced Water Release	
Incident Status	Remediation Plan Approved	
Incident Well	[30-015-39752] RDX 16 #009	

Location of Release Source	
Site Name	RDX 16 #009
Date Release Discovered	06/26/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	5,062	
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	05/08/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to Site GPS (32.0453, -103.8901).	

District II

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

CONDITIONS

Action 341030

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	341030
	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.	5/6/2024

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

QUESTIONS

Action 341033

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	341033
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322658221
Incident Name	NAPP2322658221 RDX 16 #009 @ 30-015-39752
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-39752] RDX 16 #009

Location of Release Source	
Site Name RDX 16 #009	
Date Release Discovered	08/14/2023
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	5,062	
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	05/08/2024	
Time sampling will commence	08:30 AM	
Please provide any information necessary for observers to contact samplers	Please contact Gilbert Moreno at 432-305-6414 with any questions	
Please provide any information necessary for navigation to sampling site	From the intersection of Tarbrush Rd, and Pipeline Rd, Go east on Pipeline Rd for 3.2 mi; turn right for 1.34 mi; left for 0.27 mi to Site GPS (32.0453, -103.8901).	

District II

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

CONDITIONS

Action 341033

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	341033
	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.	5/6/2024

APPENDIX H

Archived Reports

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SITE CHARACTERIZATION AND REMEDIATION PLAN

RDX 16 #009

Eddy County, New Mexico Incident Numbers nAPP2317840368 nAPP2322658221

Prepared For:

WPX Energy Permian, LLC 5315 Buena Vista Dr. Carlsbad, NM 88220

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 Site Characterization and Remediation Plan (SCRP) detailing delineation soil sampling activities at the RDX 16 #009 (Site) associated with two inadvertent releases of crude oil and produced water. Based on the site characterization and laboratory analytical results from recent soil sampling events, WPX proposes this SCRP, which summarizes corrective actions and details remediation objectives to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit F, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0453377, -103.8900681) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A**).

Incident Number nAPP2317840368

On June 26, 2023, it was discovered that a water transfer pump was inadvertently left off causing a release of approximately 50 barrels (bbls) of crude oil and 522 bbls of produced water within an earthen bermed tank battery containment. Fluids escaped the containment and flowed onto the pad surface and adjacent pasture. A vacuum truck was dispatched to the Site and recovered approximately 40 bbls of crude oil and 480 bbls of produced water. Following discovery, Etech mapped the observed release footprint utilizing a handheld Geospatial Positioning System (GPS) receiver, which is presented as Release Area #1 shown in **Figure 2** in **Appendix A**. WPX reported the release to Mike Bratcher and Rosa Romero from the New Mexico Oil Conservation Division (NMOCD) via email and on a Release Notification and Corrective Action Form C-141 (Form C-141) on June 27, 2023, which was subsequently assigned Incident Number nAPP2317840368. It should be noted that the date of the release discovery on the initial C-141 is incorrect, which was communicated to the NMOCD via email and can be referenced in **Appendix B**.

In July 2023, WPX conducted initial restoration of pad surfaces within and around the earthen bermed tank battery containment. Further remediation to include pasture soils required an approved Right-of-Entry (ROE) permit prior to ground disturbance. As a result, on July 20, 2023, SWCA Environmental Consultants (SWCA) was retained to conduct a cultural survey of the Site, which was completed on August 3, 2023. Following the finalized cultural survey of the Site, an ROE permit was submitted on October 5, 2023, and issued on October 31, 2023.

Incident Number nAPP2322658221

On August 14, 2023, it was discovered that a breaker to the water transfer pump tripped during a power outage causing a release of approximately 149 barrels bbls of produced water within the same earthen bermed tank battery containment as Incident Number nAPP2317840368. All fluids remained within the earthen bermed tank battery containment. A vacuum truck was dispatched to the Site and recovered approximately 110 bbls of produced water. Following discovery, Etech mapped the observed release footprint utilizing a handheld GPS receiver, which is presented as Release Area #2 shown in **Figure 2** in **Appendix A**. WPX reported the release to Mike Bratcher and Rosa Romero from the NMOCD via email and on a Form C-141 on August 14, 2023, which was subsequently assigned Incident Number nAPP2322658221.

Due to the delay of land access caused by ROE permitting processes, an extension to complete remediation activities and prepare a report for both incidents was requested and granted by the NMOCD for December 23, 2023.

Site Characterization and Remediation Plan Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Atkins Engineering Associates, Inc., located approximately 0.21 miles west of the Site. Soil boring (C-04068-POD1) was advanced on May 11, 2017, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 125 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 C**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

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

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria†
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8021B	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

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

DELINEATION SOIL SAMPLING ACTIVITES

On October 19 and November 9, 2023, Etech conducted delineation activities to assess the presence or absence of residual soil impacts associated with the two overlapping subject release areas, henceforth

Site Characterization and Remediation Plan Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009

combined into one area and referred to as the Area of Concern (AOC). Fourteen delineation potholes (PH01 through PH14) were advanced via mechanical equipment within and surrounding the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two samples were collected from each delineation sampling location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix D**. The delineation soil sample locations and the AOC are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix E**.

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, Inc Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples collected surrounding the AOC and assisting with lateral delineation (PH07 through PH10, PH11 PH13, and PH14) were compliant with Site Closure Criteria and/or the reclamation standard.

Laboratory analytical results for samples collected within the AOC (PH01 through PH06, and PH12) indicated BTEX concentrations were below Site Closure Criteria and/or reclamation standard, however, chloride and/or TPH-GRO+TPH-DRO/TPH concentrations exceeded the Site Closure Criteria and/or the reclamation standard up to 4 feet bgs. Elevated chloride concentrations were characterized by concentrations ranging from 4,760 mg/kg to 25,200 mg/kg. Elevated TPH-GRO+TPH-DRO/TPH concentrations were characterized by concentrations ranging from 4,050 mg/kg to 25,500 mg/kg. Laboratory analytical results are summarized in **Table 1** included in **Appendix F**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix G**.

PROPOSED REMEDIATION PLAN

Based on the delineation soil sampling results, the following conclusions regarding the inadvertent releases are presented:

- Laboratory analytical results for delineation soil samples PH07 through PH10, PH11, PH13, and PH14 indicated all concentrations of the COCs were below the Site Closure Criteria and/or reclamation standard, which sufficiently defines the horizontal periphery of the AOC.
- Laboratory analytical results for the terminus depth of all delineation soil samples indicated all
 concentrations of the COCs were below Site Closure Criteria, which sufficiently defines the
 vertical extent of the AOC.
- Laboratory analytical results indicated BTEX concentrations were below Site Closure Criteria and/or reclamation standards for all delineation soil samples.
- Laboratory analytical results for delineation soil samples collected within the AOC indicated concentrations of chloride and TPH-GRO+TPH-DRO/TPH exceeding the Site Closure Criteria and/or reclamation standard exist up to 4 feet bgs, which are characterized by concentrations ranging from 4,760 mg/kg to 25,200 mg/kg and 4,050 mg/kg to 25,500 mg/kg, respectively. TPH concentrations only appear to exist in the proximity of soil sample locations PH01 through PH03, which dramatically decrease below Site Closure Criteria before 4 feet bgs.

Site Characterization and Remediation Plan Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009

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

- WPX proposes to advance excavation activities to remove residual impacts greater than Site Closure Criteria according to delineation soil sample analytical laboratory results to the Maximum Extent Practical (MEP) and to leave residual impacts, classified as in compliance Site Closure Criteria but greater than reclamation standards, in place until the Site undergoes major deconstruction or plugging and abandonment activities, whichever occurs first. As such, approximately 365 cubic yards of residually impacted soil are anticipated to be excavated and removed from the Site (**Figure 3** in **Appendix A**). Following the removal of soil, confirmation 5-point composite soil samples will be collected from the excavation and submitted to an accredited laboratory for analysis of chloride, TPH, and BTEX.
 - Due to the large AOC square footage (10,422 square feet), WPX requests a sampling variance of which confirmation soil samples represent a maximum of 400 square feet per soil sample. As such, 30 samples are anticipated to be collected from the excavation floors sidewalls compared to 59 samples utilizing a frequency of 200 square feet.
- While excavating residual impacts as defined by Site Closure Criteria, proposed excavation areas
 may require additional oversight and supplementary safety measures near surface and/or
 subsurface pipelines and production equipment before or during excavation activities. WPX
 and/or a third-party operator may implement additional safety precautions above encroachment
 guidelines at their company's discretion for the health and safety of on-site personnel and for the
 structural integrity of utilities. Such implemented restrictions may inflict, but are not limited to the
 following:
 - Decreasing the proposed excavation depth(s) in order to maintain surface and/or subsurface utility and production equipment stability.
 - Decreasing or altering the proposed excavation extent(s) in order to maintain surface and/or subsurface utility and production equipment stability.
- Impacted soil will be transported to a nearby landfill facility for disposal under approved WPX waste manifests.
- Once remediation is complete and receipt of excavation confirmation soil sample results indicates soil concentrations exceeding Site Closure Criteria has been removed and/or excavated to the MEP, WPX will backfill the excavation(s) with clean, locally sourced soil and restored to "as close to its original state" as possible and determine the next appropriate measure of corrective action:
 - Documenting excavation activities to the MEP and the presence of residual impacts left in place immediately adjacent to and under active production equipment and/or utilities with a subsequent Deferral Report detailing assessment and sampling activities or
 - Preparing a SCRP Addendum detailing the next course of remedial actions to address the presence of potential remaining soil impacts and the Site, based off an estimated lateral and vertical extent of impacted soil from assessment and delineation activities.

PROPOSED SCHEDULE

Upon the notice of NMOCD approval of this SCRP, WPX will begin the proposed remediation activities outlined above and provide a report detailing completed remediation activities for Incident Numbers nAPP2317840368 and nAPP2322658221.

If you have any questions or comments, please do not hesitate to contact Anna Byers at (575) 200-6754 or anna@etechenv.com or Gilbert Moreno (832) 541-7719 or gilbert@etechenv.com. **Appendix B** provides correspondence email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Gilbert Moreno Project Geologist Anna Byers Senior Geologist

cc: Jim Raley, WPX

New Mexico Oil Conservation Division

State Land Office

Appendices:

Appendix A: Figure 1: Site Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Subsurface Receptors

Figure 2: Delineation Soil Sample Locations

Figure 3: Proposed Excavation Extents

Appendix B: NMOCD Notifications

Appendix C: Referenced Well Records

Appendix D: Lithologic Sampling Logs

Appendix E: Photographic Log

Appendix F: Tables

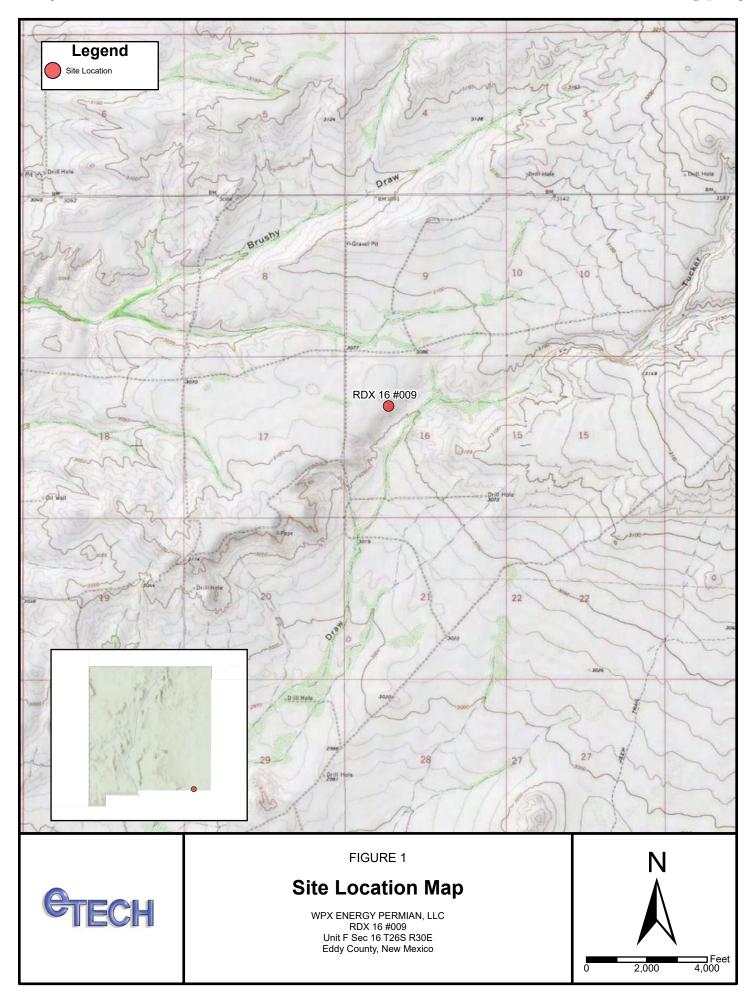
Appendix G: Laboratory Analytical Reports & Chain-of-Custody Documentation

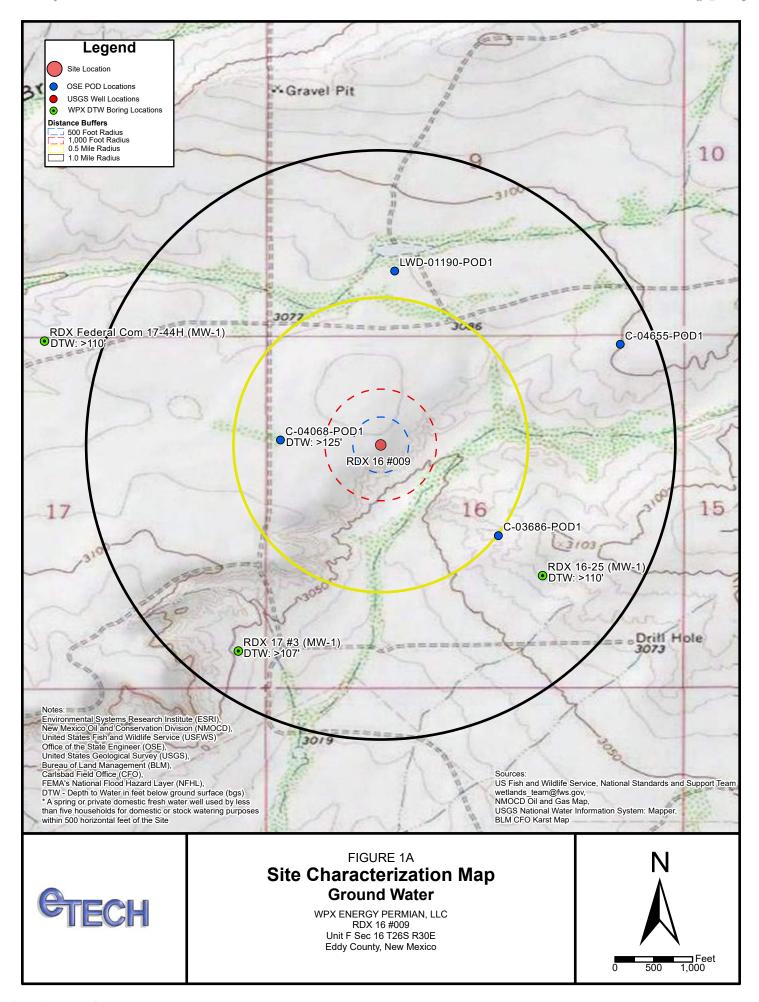
APPENDIX A

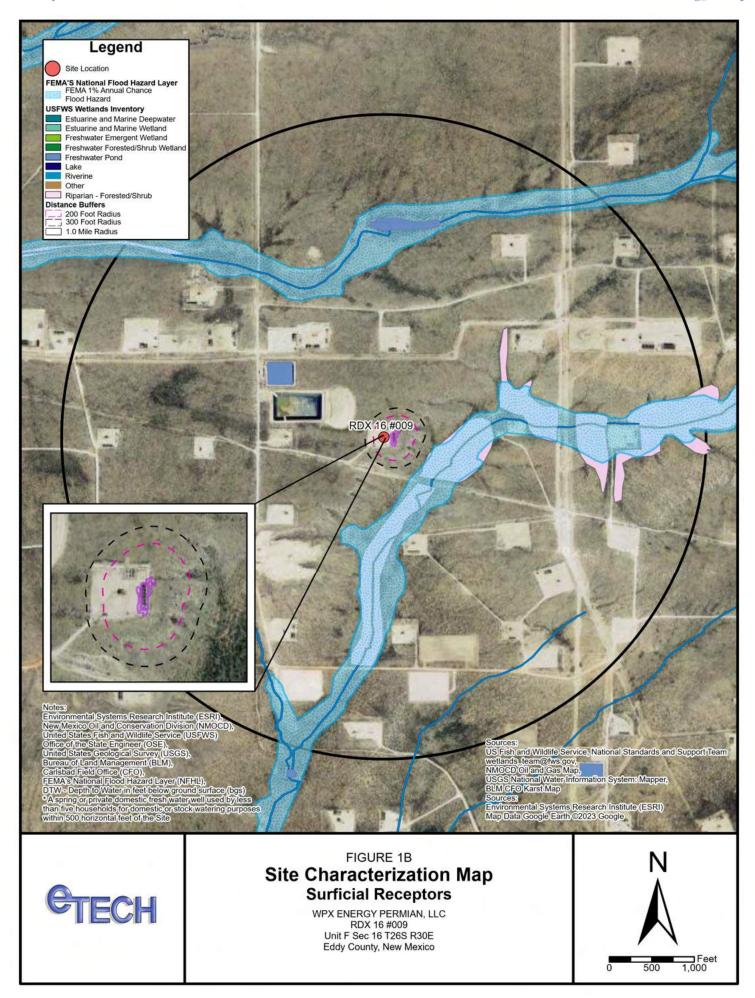
Figures

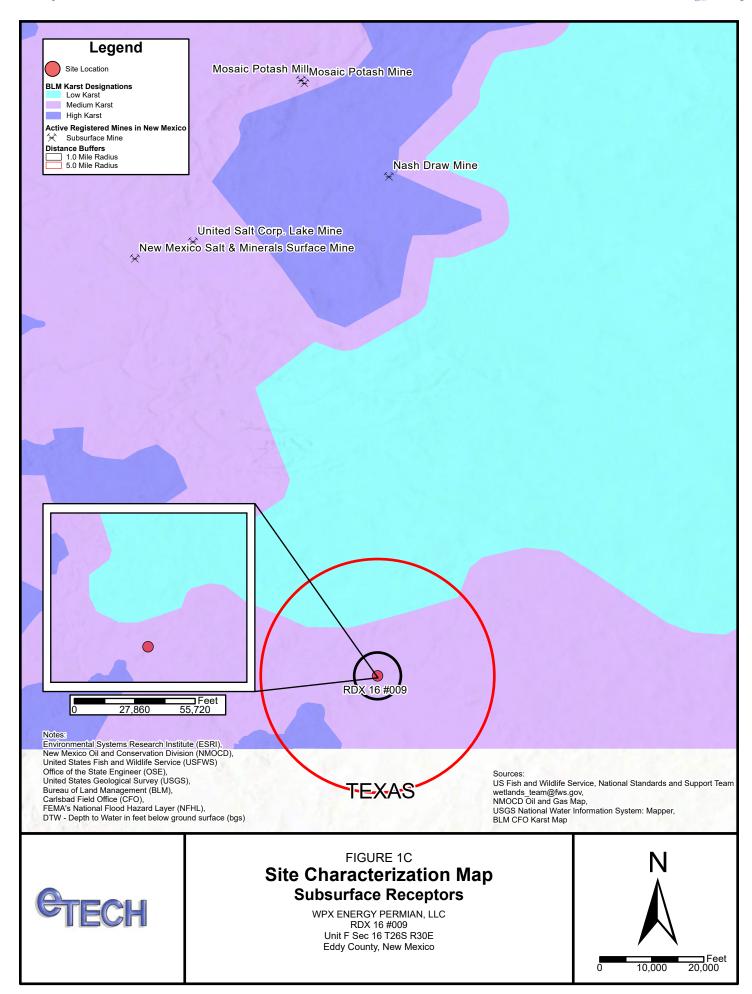
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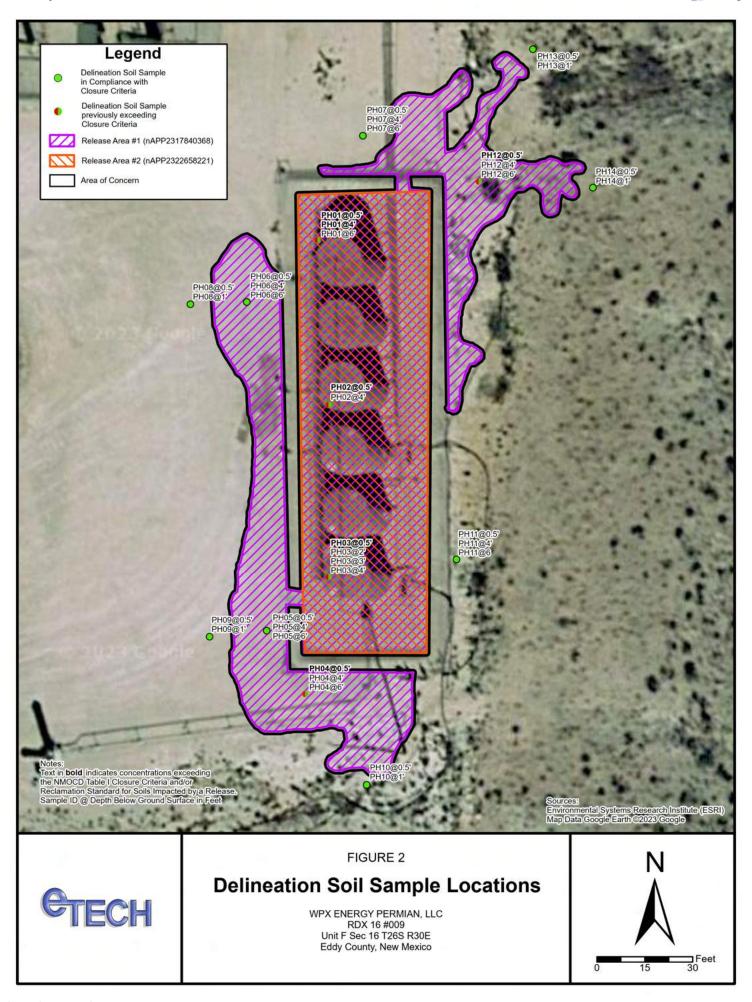


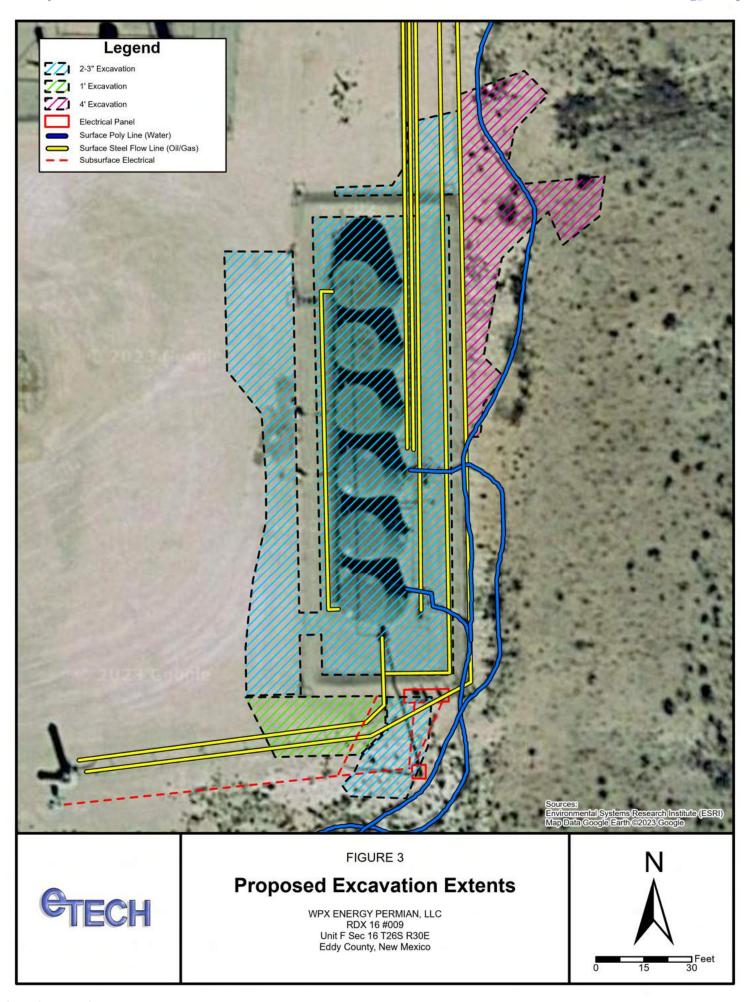












APPENDIX B

NMOCD Notifications

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



Erick Herrera

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

Sent: Thursday, September 21, 2023 2:24 PM

To: Raley, Jim

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

Subject: (Extension Approval) - RDX 16-9H - nAPP2317840368 and nAPP2322658221

RE: Incident #NAPP2317840368 and NAPP2322658221

Jim,

Your request for an extension to **December 23rd, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, September 21, 2023 9:46 AM

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

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

Subject: [EXTERNAL] RDX 16-9H Extension Request - nAPP2322658221 and nAPP2322658221

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 #009 (Site).

A produced water release was discovered on June 26, 2023, and subsequently assigned Incident Number nAPP2317840368. Note: the date of discovery for this release on the initial C-141 is incorrect and will be updated on the Final C-141. A cultural survey was completed for the proposed work area in pasture soil to conduct delineation activities. Cultural is finalizing a report for State Land Office (SLO) and will be sent for review. An additional inadvertent release of produced water occurred on August 14, 2023 (nAPP2322658221) and overlapped the area impacted by nAPP2322658221, therefore additional investigation and planning are warranted to allow cultural and the State Land Office to provide additional clearance for corrective actions to address both incidents.

To provide enough time for additional planning, remediation activities and subsequent corrective action report, WPX requests an extension of the deadline for the two overlapping releases associated with Incident Number nAPP2317840368 and nAPP2322658221 to **December 23, 2023**.

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.

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, October 11, 2023 5:15 PM

To: Erick Herrera; blm_nm_cfo_spill@blm.gov; Hamlet, Robert, EMNRD; Bratcher, Michael,

EMNRD; Hall, Brittany, EMNRD

Cc: Raley, Jim; Devon-Team

Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (10/16-10/20)

Hi Erick,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Erick Herrera <erick@etechenv.com> Sent: Wednesday, October 11, 2023 3:33 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 < Devon-Team@etechenv.com>

Subject: [EXTERNAL] WPX Site Sampling Activity Update (10/16-10/20)

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 October 16th through October 20th, 2023:

Proposed Date: October 16, 20023 Proposed Timeframe: 0800 – 1700 hrs.

Site Name: RDU 34

Incident Number: nAPP2326833391

API: 30-015-41578

Proposed Date: October 17, 20023 Proposed Timeframe: 0800 – 1700 hrs. Site Name: RDX Federal 21 #031 Incident Number: nAPP2326847671 API: 30-015-41266

Proposed Date: October 17, 20023, October 18, 2023, October 19, 2023, October 20, 2023

Proposed Timeframe: 0800 - 1700 hrs.

Site Name: RDX 16 #009

Incident Numbers: nAPP2322658221 & nAPP2317840368

API: 30-015-39752

Proposed Date: October 16, 2023, October 17, 2023, October 18, 2023, October 19, 2023, October 20, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: RDU 11

Incident Numbers: nAPP2200728755, nAB1712951426, nAB1728551205, nAB1728553778, & nHMP1412241998

API: 30-015-24307

Thank you,

Erick Herrera Staff Geologist



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

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent:Monday, November 6, 2023 9:18 AMTo:Erick Herrera; eco@slo.state.nm.us

Cc:Raley, Jim; Devon-Team; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRDSubject:RE: [EXTERNAL] (WPX Site Sampling Notification) RDX 16 #009 (nAPP2317840368)

6/26/2023 & (nAPP2322658221) 8/14/2023

Hi Erick,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly. Wells@emnrd.nm.gov

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

From: Erick Herrera <erick@etechenv.com> Sent: Monday, November 6, 2023 7:56 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; eco@slo.state.nm.us **Cc:** Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>

Subject: [EXTERNAL] (WPX Site Sampling Notification) RDX 16 #009 (nAPP2317840368) 6/26/2023 & (nAPP2322658221)

8/14/2023

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following site between November 9, 2023 & November 10, 2023:

Site Name: RDX 16 #009

Proposed Timeframe: 0800 – 1700 hrs.

Incident Numbers: nAPP2317840368 & nAPP2322658221

API: 30-015-39752

Thank you,

Erick Herrera Staff Geologist



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

APPENDIX C

Referenced Well Records

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Tom Blaine, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 606777 File Nbr: C 0406

File Nbr: C 04068 Well File Nbr: C 04068 POD1

Jun. 12, 2017

JUSTIN BARMORE
RKI EXPLORATION AND PRODUCTION LLC
3500 ONE WILLIAMS CENTER MD 35
TULSA, OK 74172

Greetings:

The above numbered permit was issued in your name on 05/08/2017.

The Well Record was received in this office on 05/17/2017, stating that it had been completed on 05/12/2017, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/15/2018.

If you have any questions, please feel free to contact us.

Sincerely,

Deborah Dunaway (575)622-6521

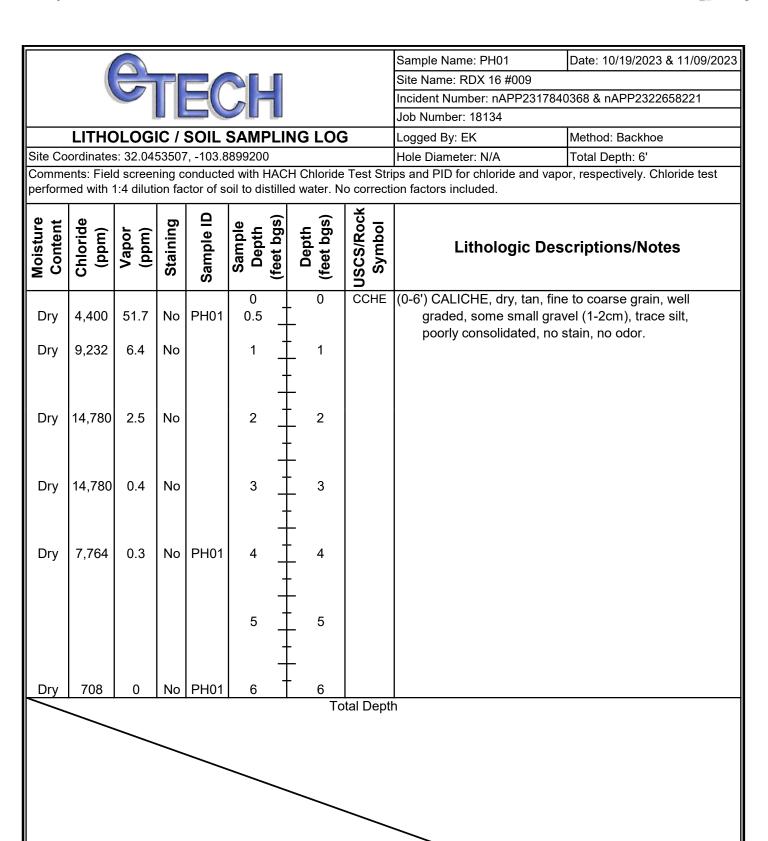
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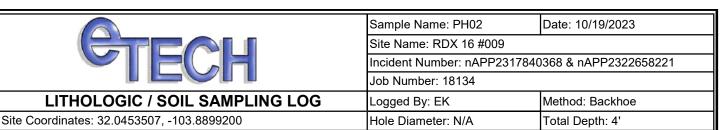
APPENDIX D

Lithologic Sampling Logs

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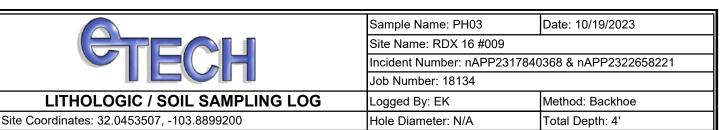




Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

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	93	No	PH02	0 0.5	- ⁰	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, poorly consolidated, no stain, no odor.
Dry	7,764	76	No		1 _	1 -		poorly consolidated, no stain, no odor.
Dry	18,384	0	No		2 _	- - 2 -		
Dry	1,696	0	No		3 _	- - 3 -		
Dry	1,584	0	No	PH02	4 -	4		

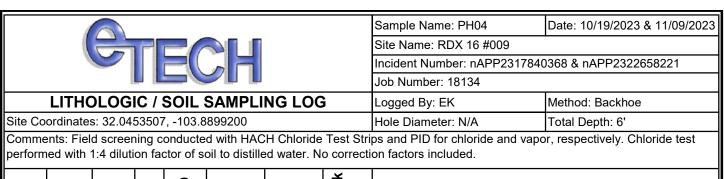
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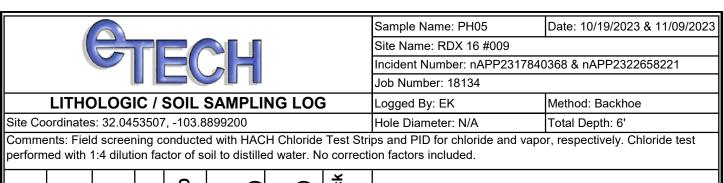
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

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	202.3	No	PH03	0 0.5	0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, poorly consolidated, no stain, no odor.
Dry	900	93.1	No		1 _	1		
Dry	188	8.2	No	PH03	2 _	_ - 2		
Dry	<112	3.8	No	PH03	3 _	3		
Dry	444	0.3	No	PH03	_ 	4		

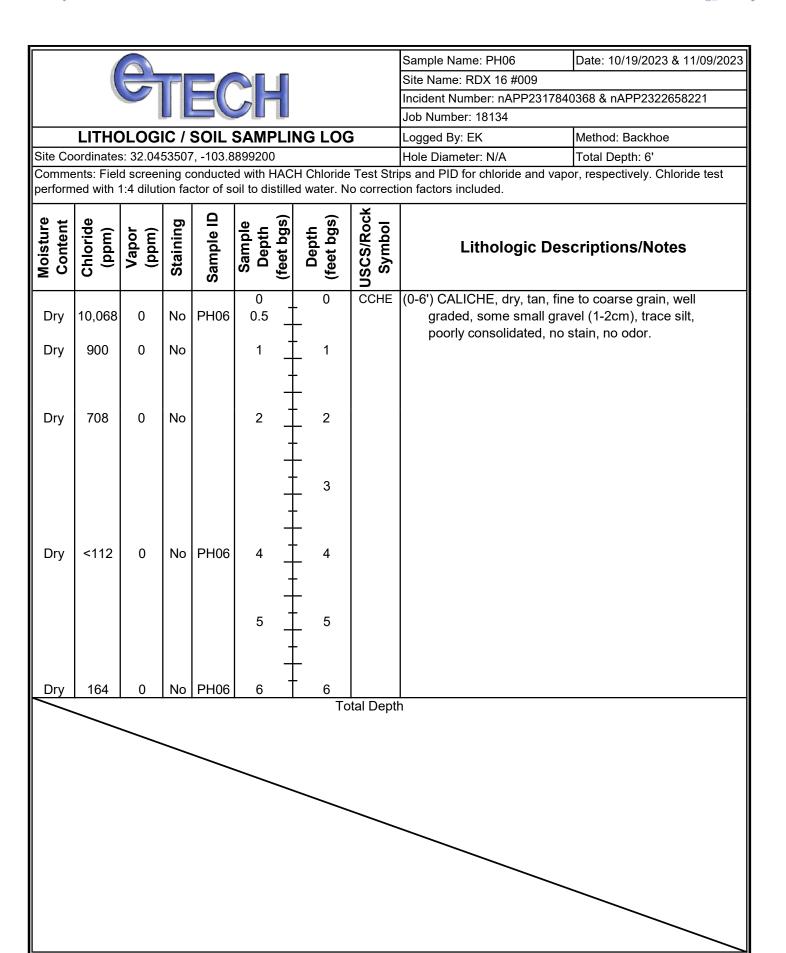
Total Depth

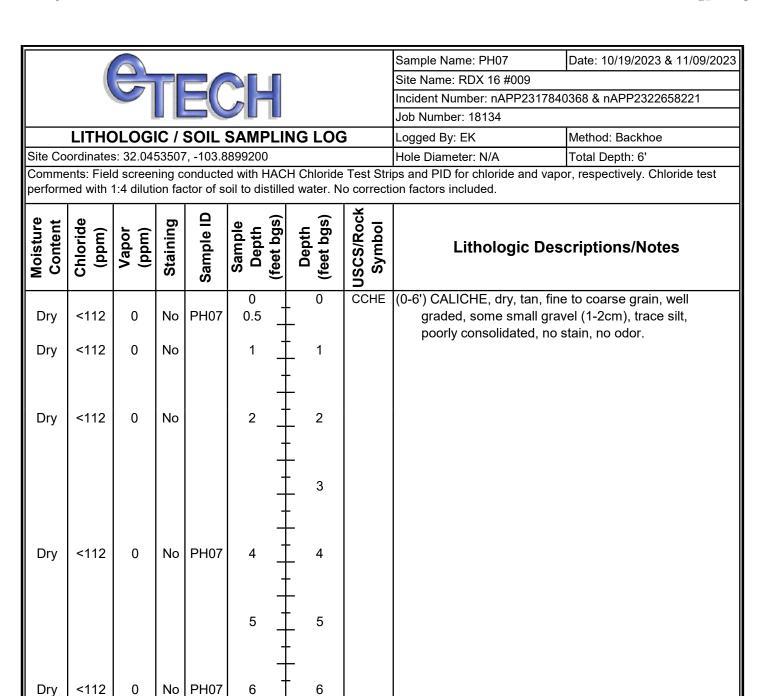


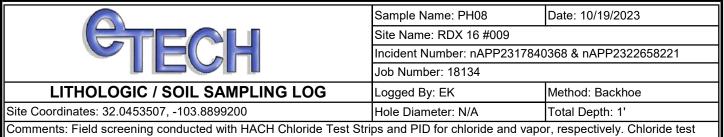
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dra	26.060	0.4	Na	DU04	0 -	- 0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well
Dry	26,960	0.4	No	PH04	0.5	_		graded, some small gravel (1-2cm), trace silt, poorly consolidated, no stain, no odor.
Dry	7,764	0.2	No		1 -	1		poorly consolidated, no stain, no edor.
Dry	3,180	0	No		2 -	- - - 2 -		
Dry	592	0	No	PH04	4 -	- 3 - 4 - 5		
Dry	248	0	No	PH04	6	6		
∥ `						То	tal Deptl	1



Moisture Content Chloride (ppm) Vapor (ppm) Sample ID Sample ID Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol Symbol	
Dry 14,780 0.5 No PH05 0.5 CCHE (0-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt,	
Dry 6,576 0.3 No 1 1 1 poorly consolidated, no stain, no odor.	
Dry 3,180 0 No 2 2 2	
Dry 140 0 No PH05 4 T 4	
Dry 164 0 No PH05 6 + 6 Total Depth	





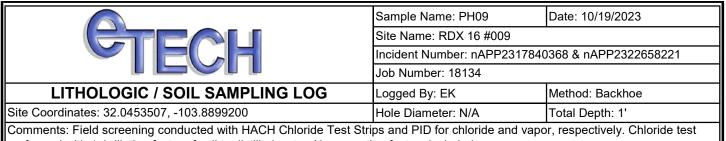


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	
Dry	396	0	No	PH08	0 0.5	0	CCHE	((
Dry	216	0	No	PH08	1 -	1		

Lithologic Descriptions/Notes

(0-1') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.

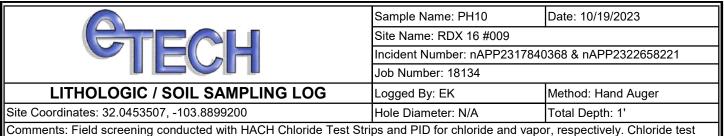


performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	
Dry	192	0	No	PH09	0 0.5	0	CCHE	((
Dry	<112	0	No	PH09	1 -	1		

Lithologic Descriptions/Notes

(0-1') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.

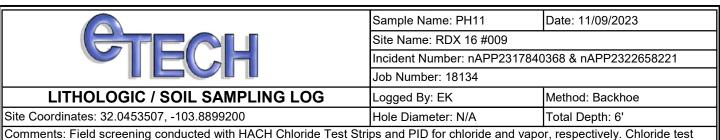


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	
Dry	<112	0	No	PH10	0 0.5	- ⁰	SW-SM	((
Dry	<112	0	No	PH10	1 -	1		

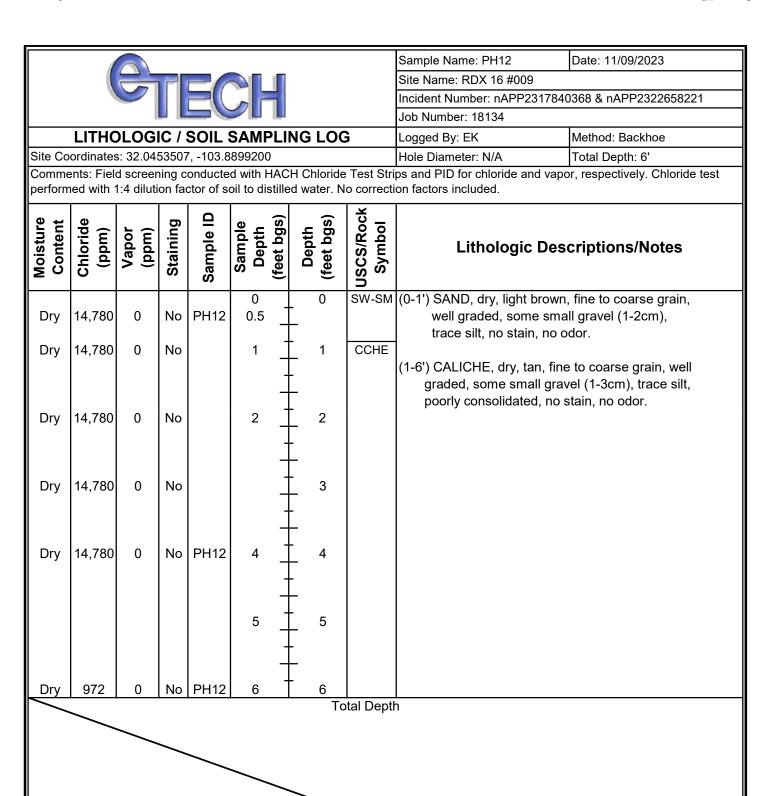
Lithologic Descriptions/Notes

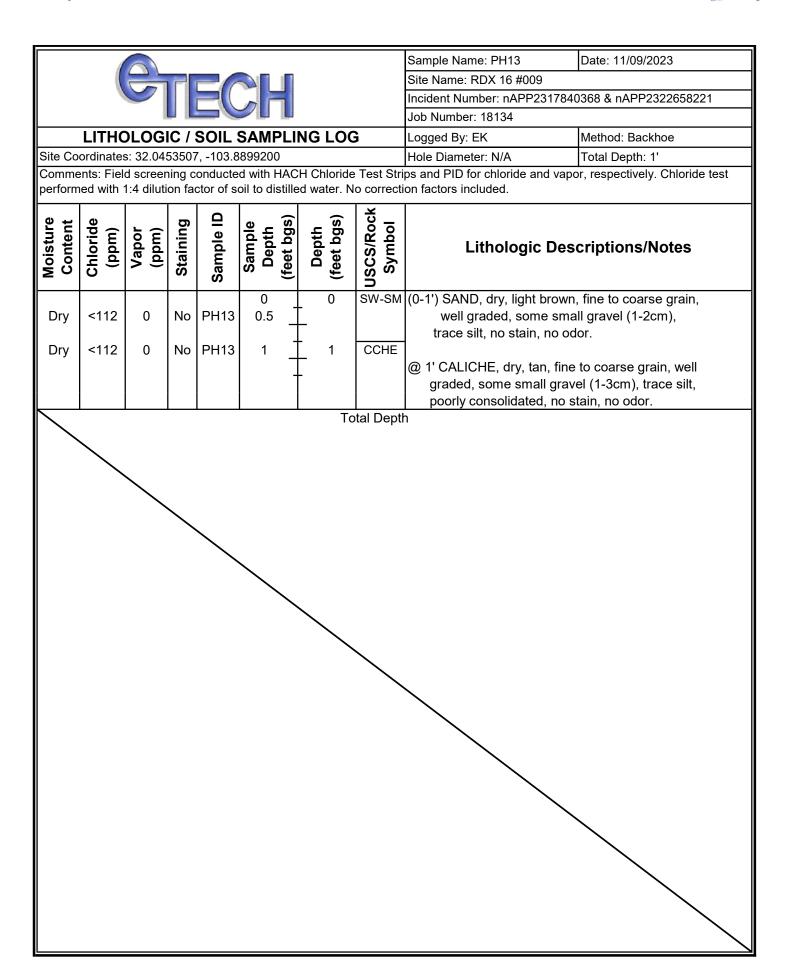
(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (0.5-1cm), trace silt, no stain, no odor.

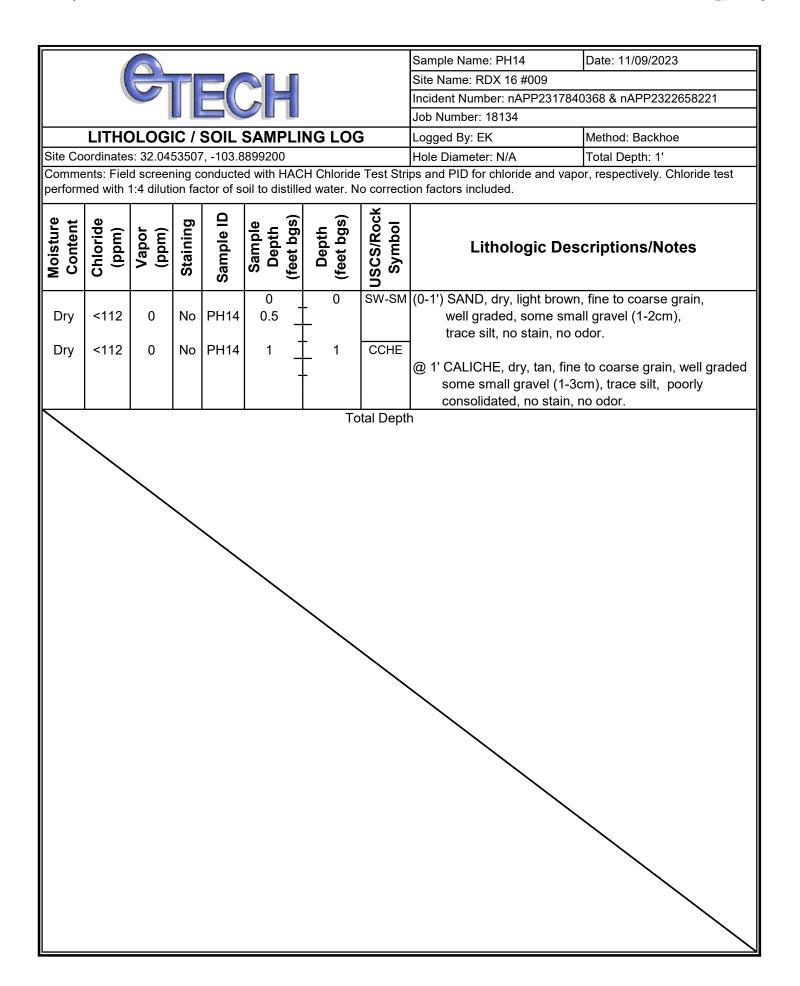


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH11	0 0.5	0		(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, no stain, no odor.
Dry	<112	0	No		1 _	1	CCHE	
Dry	<112	0	No		2 - -	2 2		(1-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.
Dry	<112	0	No	PH11	4 - 5 -	3 - 4 - 5 - 5		
Dry	<112	0	No	PH11	6	6 To	tal Depth	ו







APPENDIX E

Photographic Log

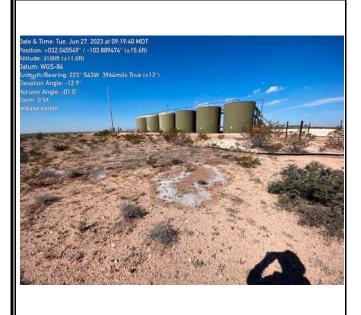
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PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #009 nAPP2317840368 & nAPP232265822



nAPP2317840368 & nAPP2322658221

Date & Time: Thu: Jul 13: 2023 at 09:04 01:MDT
Position: -032 04/953 // -103 889776. (=16 titl)

Photograph 1 Date:06/27/2023

Description: Southwestern view of release extent during site assessment activities.



Photograph 3 Date:08/14/2023

Description: Southeastern view of release extent during site assessment activities.



Photograph 2 Date:07/13/2023

Description: Northeastern view of initial restoration activities on the pad surface.



Photograph 4 Date:10/19/2023

Description: Northwestern view of delineation activities near PH01.

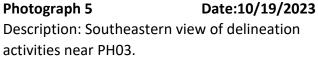


PHOTOGRAPHIC LOG

WPX Energy Permian, LLC RDX 16 #009 nAPP2317840368 & nAPP2322658221



Photograph 6 Date:10/19/2023
Description: Southwestern view of delineation activities near PH04.





Photograph 7 Date:11/09/2023 Description: Southwestern view of delineation activities near PH12.



Photograph 8 Date:11/09/2023

Description: Southwestern view of delineation activities near PH14.

APPENDIX F

Tables

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Table 1 SOIL SAMPLE ANALYTICAL RESULTS WPX Energy Permian, LLC RDX 16 #009 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closu Release (NMAC 19.15		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
			D	elineation Soil Samples	s - Incident Numbers n	APP2317840368 & nAP	P2322658221		•	
PH01	10/19/2023	0.5	<0.0250	0.0335	<20.0	4,050	1,940	4,050	5,990	4,760
PH01	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23,300
PH01	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	482
PH02	10/19/2023	0.5	<0.0250	<0.0500	69.7	5,870	2,280	5,940	8,220	5,060
PH02	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,440
PH03	10/19/2023	0.5	<0.0250	3.47	133	18,200	7,160	18,300	25,500	4,840
PH03	10/19/2023	2	<0.0250	<0.0500	<20.0	33.7	<50.0	33.7	33.7	236
PH03	10/19/2023	3	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	37.8
PH03	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	489.0
PH04	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25,200
PH04	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
PH04	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	299
PH05	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,700
PH05	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	155
PH05	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
PH06	10/19/2023	0.5	<0.0250	<0.0500	<20.0	32.0	<50.0	32.0	32.0	11,600
PH06	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.9
PH06	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
PH07	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
PH07	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.5
PH07	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.9
PH08	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	259
PH08	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
PH09	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
PH09	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.7
PH10	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
PH10	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.2
PH11	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
PH11	11/09/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
PH11	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200



Table 1 **SOIL SAMPLE ANALYTICAL RESULTS** WPX Energy Permian, LLC RDX 16 #009 **Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000	
	Delineation Soil Samples - Incident Numbers nAPP2317840368 & nAPP2322658221										
PH12	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,400	
PH12	11/09/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,700	
PH12	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	960	
PH13	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.7	
PH13	11/09/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200	
PH14	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107	
PH14	11/09/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200	

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.

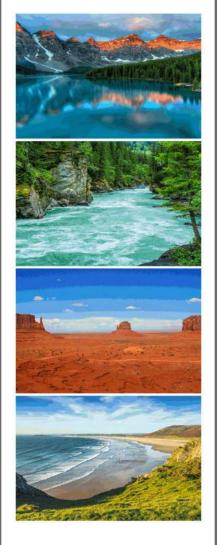
APPENDIX G

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310209

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310209

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:09	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E310209-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH01 4'	E310209-02A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH02 0.5'	E310209-03A	Sludge	10/19/23	10/23/23	Glass Jar, 2 oz.
PH02 4'	E310209-04A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

PH01 0.5' E310209-01

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2343025
Benzene	ND	0.0250	1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/23/23	10/25/23	
Toluene	ND	0.0250	1	10/23/23	10/25/23	
o-Xylene	0.0335	0.0250	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/23/23	10/25/23	
Total Xylenes	0.0335	0.0250	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	4050	250	10	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	1940	500	10	10/23/23	10/25/23	
Surrogate: n-Nonane		88.1 %	50-200	10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2343072
Chloride	4760	40.0	2	10/25/23	10/27/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

PH01 4' E310209-02

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg		2011	Analyst	•	7 mary 200	Batch: 2343025
Volatile Organic Compounds by EPA 8260B		mg/kg		1	10/23/23	10/25/23	Daten: 2543023
Benzene	ND	0.0250		1	10/23/23		
Ethylbenzene	ND	0.0250		1		10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		100 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		98.8 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		100 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		98.8 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	_	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		85.8 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2343072
Chloride	23300	1000	4	50	10/25/23	10/27/23	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

PH02 0.5' E310209-03

	D. Iv	Reporting	P.1		D 1		N
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2343025
Benzene	ND	0.0250	1	1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	I	10/23/23	10/25/23	
Toluene	ND	0.0250	1	1	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		101 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	69.7	20.0	1	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		101 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	ZM		Batch: 2343027
Diesel Range Organics (C10-C28)	5870	125	5	5	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	2280	250	5	5	10/23/23	10/25/23	
Surrogate: n-Nonane		87.3 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2343072
Chloride	5060	100		5	10/25/23	10/27/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

PH02 4' E310209-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2343044
Benzene	ND	0.0250	1	10/24/23	10/26/23	
Ethylbenzene	ND	0.0250	1	10/24/23	10/26/23	
Toluene	ND	0.0250	1	10/24/23	10/26/23	
o-Xylene	ND	0.0250	1	10/24/23	10/26/23	
p,m-Xylene	ND	0.0500	1	10/24/23	10/26/23	
Total Xylenes	ND	0.0250	1	10/24/23	10/26/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	10/24/23	10/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2343044
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/23	10/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	10/24/23	10/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2343042
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/23	10/24/23	
Surrogate: n-Nonane		91.4 %	50-200	10/24/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	Analyst: RAS		Batch: 2343072
Chloride	2440	40.0	2	10/25/23	10/27/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:09:04PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				10/.	27/2023 2:09:04P	
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		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 (2343025-BLK1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23	
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: Bromofluorobenzene	0.525		0.500		105	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130				
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130				
LCS (2343025-BS1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23	
Benzene	2.19	0.0250	2.50		87.8	70-130				
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130				
Toluene	2.16	0.0250	2.50		86.3	70-130				
o-Xylene	2.25	0.0250	2.50		90.1	70-130				
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130				
Total Xylenes	6.65	0.0250	7.50		88.7	70-130				
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130				
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130				
Matrix Spike (2343025-MS1)				Source:	E310207-	01	Prepared: 10	0/23/23 Anal	yzed: 10/25/23	
Benzene	2.38	0.0250	2.50	ND	95.0	48-131			-	
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135				
Toluene	2.35	0.0250	2.50	ND	94.0	48-130				
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135				
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135				
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135				
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130				
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130				
Matrix Spike Dup (2343025-MSD1)				Source:	E310207-	01	Prepared: 10	0/23/23 Anal	yzed: 10/25/23	
Benzene	2.30	0.0250	2.50	ND	91.9	48-131	3.36	23		
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135	1.97	27		
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.63	24		
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135	0.644	27		
p,m-Xylene	4.70	0.0500	5.00	ND	94.1	43-135	0.910	27		
Total Xylenes	7.10	0.0250	7.50	ND	94.7	43-135	0.820	27		
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130				
C	0.406		0.500		00.1	70 120				

0.500

0.500

99.1

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.496

0.503

		J	
WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM
	Volatile Orga	nics by EPA 8021B	Analyst: RKS

Result		Organics b	y EPA 802	1B				Analyst: RKS	
Result	D	Volatile Organics by EPA 8021B							
	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
						Prepared: 1	0/24/23 An	alyzed: 10/26/23	
ND	0.0250								
ND	0.0250								
ND	0.0250								
ND	0.0250								
ND	0.0500								
ND	0.0250								
7.67		8.00		95.9	70-130				
						Prepared: 10	0/24/23 An	alyzed: 10/26/23	
5.12	0.0250	5.00		102	70-130				
5.04	0.0250	5.00		101	70-130				
5.09	0.0250	5.00		102	70-130				
5.05	0.0250	5.00		101	70-130				
10.2	0.0500	10.0		102	70-130				
15.3	0.0250	15.0		102	70-130				
7.68		8.00		96.1	70-130				
			Source:	E310226-	02	Prepared: 10	0/24/23 An	alyzed: 10/26/23	
5.30	0.0250	5.00	ND	106	54-133				
5.22	0.0250	5.00	ND	104	61-133				
5.29	0.0250	5.00	ND	106	61-130				
5.22	0.0250	5.00	ND	104	63-131				
10.6	0.0500	10.0	ND	106	63-131				
15.8	0.0250	15.0	ND	106	63-131				
7.60		8.00		95.0	70-130				
			Source:	E310226-	02	Prepared: 10	0/24/23 An	alyzed: 10/26/23	
5.44	0.0250	5.00	ND	109	54-133	2.60	20		
5.37	0.0250	5.00	ND	107	61-133	2.77	20		
5.43	0.0250	5.00	ND	108	61-130	2.59	20		
5.37	0.0250	5.00	ND	107	63-131	2.73	20		
10.9	0.0500	10.0	ND	109	63-131	2.61	20		
16.3	0.0250	15.0	ND	108	63-131	2.65	20		
	ND N	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 7.67 5.12 0.0250 5.04 0.0250 5.09 0.0250 10.2 0.0500 15.3 0.0250 7.68 5.30 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.26 0.0250 5.27 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.37 0.0250 5.39 0.0500 16.3 0.0250	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 T.67 8.00 5.12 0.0250 5.04 0.0250 5.09 0.0250 5.09 0.0250 5.05 0.0250 5.05 0.0250 10.2 0.0500 10.2 0.0500 10.2 15.3 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.22 0.0250 5.29 0.0250 5.20 5.20 0.0250 5.21 0.0500 10.0 15.8 0.0250 15.0 7.60 8.00 5.44 0.0250 5.40 8.00 5.44 0.0250 5.40 8.00 5.44 0.0250 5.40 5.47 0.0250 5.40 5.48 0.0250 5.49 5.49 5.40 5.40 5.41 5.40 5.41 5.41 5.42 5.44 5.43 5.44 5.44 5.44 5.44 5.44 5.44	ND 0.0250 7.67 8.00 5.12 0.0250 5.00 5.04 0.0250 5.00 5.05 0.0250 5.00 10.2 0.0500 10.0 15.3 0.0250 15.0 7.68 8.00 Source: 5.30 0.0250 5.00 ND 5.22 0.0250 5.00 ND 5.22 0.0250 5.00 ND 5.22 0.0250 5.00 ND 5.22 0.0250 5.00 ND 5.24 0.0500 10.0 ND 5.250 5.00 ND 5.27 0.0250 5.00 ND 5.28 0.0250 5.00 ND 5.29 0.0250 5.00 ND 5.29 0.0250 5.00 ND 5.20 0.0250 5.00 ND 5.21 0.0250 5.00 ND 5.22 0.0250 5.00 ND 5.23 0.0250 5.00 ND 5.37 0.0250 5.00 ND	ND 0.0250 7.67	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 7.67	ND 0.0250 7.67	ND 0.0250 7.67	



WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 2:09:04PM

	Nonhalogenated Organics by EPA 8015D - GRO Analyst: RKS								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343025-BLK1)							Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
LCS (2343025-BS2)							Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			
Matrix Spike (2343025-MS2)				Source:	E310207-	01	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
Matrix Spike Dup (2343025-MSD2)				Source:	E310207-	01	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.35	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				10.	/27/2023 2:09:04PM
	Non	halogenated		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 (2343044-BLK1)							Prepared: 1	0/24/23 Ana	lyzed: 10/26/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			
LCS (2343044-BS2)							Prepared: 1	0/24/23 Ana	lyzed: 10/26/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			
Matrix Spike (2343044-MS2)				Source:	E310226-	02	Prepared: 1	0/24/23 Ana	lyzed: 10/26/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			
Matrix Spike Dup (2343044-MSD2)				Source:	E310226-	02	Prepared: 1	0/24/23 Ana	lyzed: 10/26/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130	1.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno					10/27/2023 2:09:04PI
	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 (2343027-BLK1)							Prepared: 1	0/23/23 A	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			
LCS (2343027-BS1)							Prepared: 1	0/23/23 A	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:09:04PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno					10/27/2023 2:09:04PI
	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 (2343042-BLK1)							Prepared: 1	0/24/23 A	nalyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.2		50.0		96.3	50-200			
LCS (2343042-BS1)							Prepared: 1	0/24/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
urrogate: n-Nonane	46.0		50.0		92.1	50-200			
Matrix Spike (2343042-MS1)				Source:	E310238-	02	Prepared: 1	0/24/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
urrogate: n-Nonane	49.1		50.0		98.3	50-200			
Matrix Spike Dup (2343042-MSD1)				Source:	E310238-	02	Prepared: 1	0/24/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	6.50	20	
Gurrogate: n-Nonane	52.1		50.0		104	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad		Project Name:	RI	OX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager	:: Gi	lbert Moreno					10/27/2023 2:09:04PN
		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 (2343072-BLK1)							Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)							Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				Source:	E310202-	01	Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				Source:	E310202-0	01	Prepared:	10/25/23	Analyzed: 10/26/23

250

20.0

96.3

109

80-120

0.938

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 #009	
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:09

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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	ROX 16#0					Attention: Jim Raley	tion: fim Raley Lab WO# Job Number					_	1D 2D 3D Standard				indard	CWA	SDWA			
<u>Project N</u>	Aanager:	Gilbert M	loreno			Address: 5315 Buena Vista Dr.		1E.3	30	<i> 20</i>	9	OK	15 Table 30				5 đ	ay TAT				
	13000 W					City, State, Zip: Carlsbad, NM, 882	20		Analysis and Method							RCRA						
	e, Zip_Oc		79765	·		Phone: 575-885-7502					Γ	Γ	Π	I		\Box						I
	32-541-7					Email: jim.raley@dvn.com]	22		•		1				State					
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envirotech

envirotech Inc.

Printed: 10/23/2023 1:01:52PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

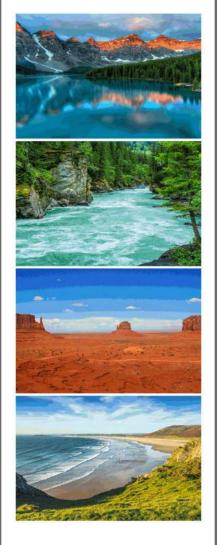
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15		Work Order ID:	E310209
Phone:	(539) 573-4018	Date Logged In:	10/23/23	10:31		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•		-		Comment	s/Resolution
<u>Sample</u>	Turn Around Time (TAT)						
6. Did th	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 tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If ye	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				
		temperature. 4	<u>C</u>				
	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	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	· · ·	ners conceicu.	103				
	e field sample labels filled out with the minimum info	ormation					
	Sample ID?	ornation.	Yes				
	Date/Time Collected?		Yes	L			
(Collectors name?		Yes				
<u>Sample</u>	<u>Preservation</u>						
	the COC or field labels indicate the samples were p	reserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	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	rv?	No				
	a subcontract laboratory specified by the client and i	-	NA	Subcontract Lab:	: NA		
	<u>instruction</u>			Suotomaut Luo.			
Chent	<u>nisti uction</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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310203

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310203

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	D (1
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 0.5'	E310203-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:13:05AM

PH03 0.5' E310203-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2343024
Benzene	ND	0.0250	1	10/23/23	10/25/23	
Ethylbenzene	0.790	0.0250	1	10/23/23	10/25/23	
Toluene	0.226	0.0250	1	10/23/23	10/25/23	
o-Xylene	2.03	0.0250	1	10/23/23	10/25/23	
p,m-Xylene	0.424	0.0500	1	10/23/23	10/25/23	
Total Xylenes	2.45	0.0250	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		114 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg				Batch: 2343024	
Gasoline Range Organics (C6-C10)	133	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		114 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	18200	1250	50	10/23/23	10/24/23	
Oil Range Organics (C28-C36)	7160	2500	50	10/23/23	10/24/23	
Surrogate: n-Nonane		127 %	50-200	10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2343043
Chloride	4840	40.0	2	10/24/23	10/24/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:13:05AM

Carlsbad NM, 88220		Project Manager	r: Gi	ilbert Moreno				10/2	7/2023 10:13:05A
	V	olatile Organi	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 (2343024-BLK1)							Prepared: 10	0/23/23 Analy	yzed: 10/25/23
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: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS1)							Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.69	0.0250	2.50		107	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
o,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
Matrix Spike (2343024-MS1)				Source: I	E310202-	02	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
-Xylene	2.49	0.0250	2.50	ND	99.4	43-135			
o,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.50	0.0250	7.50	ND	100	43-135			
urrogate: Bromofluorobenzene	0.487	·	0.500		97.4	70-130			·
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2343024-MSD1)				Source: I	E310202-	02	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	5.10	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	5.38	27	
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	6.15	24	
p-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	7.10	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	6.24	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	6.53	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
			0.500		100	50 150			

0.500

108

70-130

0.541

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 10:13:05AM

Nonhalogenated	Organics	by EPA	8015D - GRO
1 10111111105011111111	0.5	~, ====	00102 0110

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343024-BLK1)							Prepared: 10	0/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS2)							Prepared: 10)/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130	·	·	·
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
Matrix Spike (2343024-MS2)				Source:	E310202-	02	Prepared: 10	0/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2343024-MSD2)				Source:	E310202-	02	Prepared: 10)/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	1.03	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:13:05AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					10/27/2023 10:13:05A
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343027-BLK1)							Prepared: 1	0/23/23 A	Analyzed: 10/24/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
CS (2343027-BS1)							Prepared: 1	0/23/23 A	Analyzed: 10/24/23
iesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	47.7		50.0		95.3	50-200			
Iatrix Spike (2343027-MS1)				Source:	E310204-0	06	Prepared: 1	0/23/23 A	Analyzed: 10/24/23
iesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	Analyzed: 10/24/23
iesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
urrogate: n-Nonane									

Matrix Spike Dup (2343043-MSD1)

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 0	DX 16 #009 1058-0007 ilbert Moreno				10/	Reported: 27/2023 10:13:05AM
,				300.0/9056 <i>£</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343043-BLK1)							Prepared: 1	0/24/23 Ana	lyzed: 10/24/23
Chloride	ND	20.0							
LCS (2343043-BS1)							Prepared: 1	0/24/23 Ana	lyzed: 10/24/23
Chloride	230	20.0	250		92.1	90-110			
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared: 1	0/24/23 Ana	lyzed: 10/24/23
Chloride	743	200	250	542	80.4	80-120			

250

200

Source: E310238-03

74.1

80-120

2.13

542

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: 10/24/23 Analyzed: 10/24/23

M2

20

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:13

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: W	PX Energ	y Permiai	n, LLC.	_	7-7-	Bill To				ı.	ah U	ie On	lv.					T/	AT		EDA D	regram
Project: F	IOX 16 #0	09			A++.	ention: Jim Raley		lah.	WO			Job I	_	ber		10	2D			andard	CWA	SDWA
Project N	anager:	Silbert M	oreno			Jress: 5315 Buena Vista Or.		12	210	` 20	ነ3	71	ĘΫ	œ	Π			-		TAT yes		JUTTA
Address:	13000 W	County R	d 100			, State, Zip: Carlsbad, NM, 8822	0	-	21	-					_					244 1741		OCOA
City. Stat	e, Zip Öd	etto TY	70765				· · · · · · · · · · · · · · · · · · ·	├	Ţ	_	_	PERMIT	312 54	nd Me	uiou T	<u>'</u>		г—-	_			RCRA
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bete er time	of collection	ls consideres	d froud and		nds for legal action	Sampled by: 048														m 6 °C an sub		
7				20123	10:45	Received by: (Signature) Michelle, Gonzales	10-20	-23	Time	104	5	Rece	ived	on to	e: /			e On	ŀγ			
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amples is a	ppi cable o	nly to those	e samples i	eceived by	the laboratory w	ith this COC. The liability of the Laborate	er is limited t	to the		. 10 Cl La Sen	nent O	r eispe aa tha	MAG C	or et tim 	s Cuél	uc ext	pense	. The	repor	t for the un	alysis of the	eveds 1



envirotech

Printed: 10/23/2023 12:42:26PM

Envirotech Analytical Laboratory

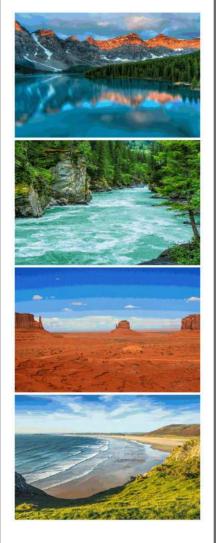
Sample Receipt Checklist (SRC)

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:	10/23/23	08:15		Work Order ID:	E310203
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:13		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	4-1-4 COC	Yes				
	ne number of samples per sampling site location ma	ten the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, reque	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>Comment</u>	s/Resolution
	Urn Around Time (TAT)		37				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	cooler 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?		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				
	visible ice, record the temperature. Actual sample	temperature: 4-0	<u>~</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?	0	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 p	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						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, 200.	11/1				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	-	No				
29. was a	subcontract laboratory specified by the client and i	r 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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310206

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310206

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 2'	E310206-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:20:28AM

PH03 2' E310206-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2343024
Benzene	ND	0.0250		1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250		1	10/23/23	10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene	·	98.6 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		109 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		98.6 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		109 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	33.7	25.0		1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		86.6 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2343043
Chloride	236	20.0		1	10/24/23	10/24/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:20:28AM

ND 0.0250	Rec Limits % 70-130 70-130	RPD % Prepared: 10	RPD Limit %	Notes Notes Vzed: 10/25/23
Result Limit Level Result Rec mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %	70-130 70-130	%	Limit %	
mg/kg mg/kg mg/kg mg/kg mg/kg % % % % %	70-130 70-130	%	%	
ND 0.0250	70-130	Prepared: 10	0/23/23 Analy	yzed: 10/25/23
ND 0.0250	70-130			
Toluene ND 0.0250 o-Xylene ND 0.0250 p,m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.496 0.500 99.2 Surrogate: 1,2-Dichloroethane-d4 0.493 0.500 98.6	70-130			
ND 0.0250 p.m-Xylene ND 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.496 0.500 99.2 Surrogate: 1,2-Dichloroethane-d4 0.493 0.500 98.6	70-130			
ND 0.0500	70-130			
Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.496 0.500 99.2 Surrogate: 1,2-Dichloroethane-d4 0.493 0.500 98.6	70-130			
Surrogate: Bromofluorobenzene 0.496 0.500 99.2 Surrogate: 1,2-Dichloroethane-d4 0.493 0.500 98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4 0.493 0.500 98.6	70-130			
Surrocate: Toluene-d8 0.561 0.500 112	70-130			
LCS (2343024-BS1)		Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene 2.55 0.0250 2.50 102	70-130			
Ethylbenzene 2.64 0.0250 2.50 106	70-130			
Toluene 2.69 0.0250 2.50 107	70-130			
p-Xylene 2.60 0.0250 2.50 104	70-130			
p,m-Xylene 5.25 0.0500 5.00 105	70-130			
Total Xylenes 7.85 0.0250 7.50 105	70-130			
Surrogate: Bromofluorobenzene 0.488 0.500 97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4 0.503 0.500 101	70-130			
Surrogate: Toluene-d8 0.533 0.500 107	70-130			
Matrix Spike (2343024-MS1) Source: E310202	2-02	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene 2.45 0.0250 2.50 ND 98.2	48-131			
Ethylbenzene 2.60 0.0250 2.50 ND 104	45-135			
Toluene 2.62 0.0250 2.50 ND 105	48-130			
p-Xylene 2.49 0.0250 2.50 ND 99.4	43-135			
p,m-Xylene 5.01 0.0500 5.00 ND 100	43-135			
Total Xylenes 7.50 0.0250 7.50 ND 100	43-135			
Surrogate: Bromofluorobenzene 0.487 0.500 97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4 0.499 0.500 99.8	70-130			
Surrogate: Toluene-d8 0.541 0.500 108	70-130			
Matrix Spike Dup (2343024-MSD1) Source: E310202	2-02	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
Benzene 2.33 0.0250 2.50 ND 93.3	48-131	5.10	23	
Ethylbenzene 2.46 0.0250 2.50 ND 98.4	45-135	5.38	27	
Toluene 2.47 0.0250 2.50 ND 98.7	48-130	6.15	24	
o-Xylene 2.32 0.0250 2.50 ND 92.6	43-135	7.10	27	
p,m-Xylene 4.71 0.0500 5.00 ND 94.2	43-135	6.24	27	
Total Xylenes 7.03 0.0250 7.50 ND 93.7	43-135	6.53	27	
Surrogate: Bromofluorobenzene 0.486 0.500 97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4 0.492 0.500 98.3	70-130			



0.500

108

70-130

0.541

Surrogate: Toluene-d8

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:20:28AM

Nonhalogenated	Organics	hy EPA	8015D -	GRO
Tionnaiozenateu	Organics	Dy ELL	0013D -	GILO

Analyst: RKS

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343024-BLK1)							Prepared: 10	0/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS2)							Prepared: 10)/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130	·	·	·
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
Matrix Spike (2343024-MS2)				Source:	E310202-	02	Prepared: 10	0/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2343024-MSD2)				Source:	E310202-	02	Prepared: 10)/23/23 A	nalyzed: 10/25/23
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	1.03	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:20:28AM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					10/2//2023 10:20:28A
	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 (2343027-BLK1)							Prepared: 1	0/23/23 A	nalyzed: 10/24/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
CS (2343027-BS1)							Prepared: 1	0/23/23 A	nalyzed: 10/24/23
riesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	nalyzed: 10/24/23
riesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	nalyzed: 10/24/23
riesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
urrogate: n-Nonane	47.2		50.0		94.4	50-200			

Matrix Spike Dup (2343043-MSD1)

Chloride

728

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 01	DX 16 #009 1058-0007 ilbert Moreno				10	Reported: 0/27/2023 10:20:28AM
		Anions	by EPA 3	300.0/9056 <i>E</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 (2343043-BLK1)							Prepared: 1	0/24/23 An	alyzed: 10/24/23
Chloride	ND	20.0							
LCS (2343043-BS1)							Prepared: 1	0/24/23 An	alyzed: 10/24/23
Chloride	230	20.0	250		92.1	90-110			
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared: 1	0/24/23 An	alyzed: 10/24/23
Chloride	743	200	250	542	80.4	80-120			

250

200

Source: E310238-03

74.1

80-120

2.13

542

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: 10/24/23 Analyzed: 10/24/23

M2

20

Definitions and Notes

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:20

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



roject in	formation	•				•	Chain o	f Cu	stody	*											
lient: W	PX Energ	Permia	n, LLC.		ТТ	BIII To				1.5	bil	e On	ılv		 [TA'	7	500 (
roject: R	DX 16 #0	09			Atte	ention: Jim Raley		lah	WO	9 ~		Job	Num	ber		1D	20 T		Standard	EPA P	L SO
	anager: (Add	Iress: 5315 Buena Vista Dr.		1E3	3)	ັດ2ເ	O)C	Job (58	- 20	07	,,,		 +	5 day TAT		+
	13000 W				City	, State, Zip: Carlsbad, NM, 88;	20					Analy	sis a	nd Me	thoc			•	T	· · · · · · · · · · · · · · · · · · ·	R
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mali: De	von-tean	@etech	env.com		<u>wo</u>	: 21191055]	ĮΣ								- 1		NM CO	UT AZ	T)
Collected	by: Edyte	e Konan				dent ID: nAPP2322658221, PP2317840368		_	РН GRO/DRO/ORD by BO15	1209	992	010	300.0			ΣN		<u>ب</u>			
Time Sampled	Date Sampled	Matrix	No. of Containing	Sample ID			Lab Number	Ospith(ft.)	TPH GRO	BTEX 1 ₂₇ 8021	VOC by 8250	Metals 6010	Chloride 300.0			B600C		2000		Remark	•
9:50	10.19.23	\$. 1			PH03	1	2'								×					
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Printed: 10/23/2023 12:53:29PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

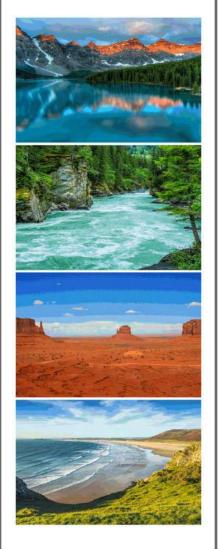
Instructions: Please take note of any NO checkmarks.

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:	10/23/23 08	8:15		Work Order ID:	E310206
Phone:	(539) 573-4018	Date Logged In:	10/23/23 09	9:17		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:		7:00 (4 day TAT)		<i>.</i>	
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: <u>C</u>	<u>'ourier</u>		
4. Was the	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 i.e, 15 minute hold time, are not included in this disucss	•	Yes			Comment	s/Resolution
Sample T	<u> Urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			V				
	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?		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 a minutes of sampling	re received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	e 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	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum inf	ormation:	V				
	ample ID? ate/Time Collected?		Yes				
	ollectors name?		Yes Yes				
	reservation		103				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved i	netals?	No				
Multinha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	, does the COC specify which phase(s) is to be anal		NA				
		y =	1421				
	act Laboratory	9	No				
	amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab	• NI A		
		1 30 WIIO:	11/7	Subcolliaci Lab	, IVA		
Client Ir	<u>nstruction</u>						

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310205

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310205

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 3'	E310205-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:17:33AM

PH03 3' E310205-01

		2010200 01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dil	ution	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343024
Benzene	ND	0.0250		1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250		1	10/23/23	10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		112 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		112 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	25.2	25.0		1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		85.3 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2343043
Chloride	37.8	20.0		1	10/24/23	10/24/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:17:33AM

Carisbad Nivi, 88220		Project Manage	1. UI	ilbert Moreno	,			10/	2//2023 10.17.338
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			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 (2343024-BLK1)							Prepared: 1	0/23/23 Ana	lyzed: 10/25/23
Benzene	ND	0.0250					110parou. 1	0.20.20 11114	1,200, 10,20,20
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
•	ND	0.0500							
p,m-Xylene	ND								
Total Xylenes		0.0250	0.500		00.2	70 120			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS1)							Prepared: 1	0/23/23 Ana	lyzed: 10/25/23
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.69	0.0250	2.50		107	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
Matrix Spike (2343024-MS1)				Source:	E310202-	02	Prepared: 1	0/23/23 Ana	lyzed: 10/25/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131	1		
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.49	0.0250	2.50	ND	99.4	43-135			
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.50	0.0250	7.50	ND	100	43-135			
· · · · · · · · · · · · · · · · · · ·		0.0230	0.500	ND	97.4	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.487 0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2343024-MSD1)				Source	E310202-	02	Prepared: 1	0/23/23 Ana	lyzed: 10/25/23
	2.22	0.0250	2.50						., 200. 10/25/25
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	5.10	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	5.38	27	
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	6.15	24	
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	7.10	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	6.24	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	6.53	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
			0.500		100	50 120			



0.500

108

70-130

0.541

Surrogate: Toluene-d8

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 10:17:33AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				10/27	7/2023 10:17:33 <i>A</i>
	Non	halogenated	Organics l	by EPA 80	15D - G	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 (2343024-BLK1)							Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS2)							Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
Matrix Spike (2343024-MS2)				Source:	E310202-	02	Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2343024-MSD2)				Source:	E310202-	02	Prepared: 1	0/23/23 Analyze	d: 10/25/23
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	1.03	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:17:33AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1				10/27/2023 10:17:33A
	Nonha	logenated Or	ganics by l	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 (2343027-BLK1)							Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			
LCS (2343027-BS1)							Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			



Chloride

M2

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 1058-0007					Reporte	ed:
Carlsbad NM, 88220		Project Manager		ilbert Moreno					10/27/2023 10	:17:33AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: RA	AS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Not	es
Blank (2343043-BLK1)							Prepared:	10/24/23	Analyzed: 10/2	24/23
Chloride	ND	20.0								
LCS (2343043-BS1)							Prepared:	10/24/23	Analyzed: 10/2	24/23
Chloride	230	20.0	250		92.1	90-110				
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared:	10/24/23	Analyzed: 10/2	24/23
Chloride	743	200	250	542	80.4	80-120				
Matrix Spike Dup (2343043-MSD1)				Source:	E310238-	03	Prepared:	10/24/23	Analyzed: 10/2	24/23

250

200

74.1

80-120

2.13

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 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:17

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Page 429 of 630

'roject Ir	formatio	n					Chain o	f Cus	tody	,												Pa
lient: W	/PX Energ	v Permia	n. U.C.			Bili To		_		1.5	ab U	se Or	dv		т			Ť	AT.		FDA 1	rogram
	RDX 16 #0		<u>.,</u>		Atte	ntion: Jim Raley		i ah	WO				Num	ber		10	20			idard	CWA	SOWA
roject N	Aanager:	Gilbert M	oreno		Add	ress: 5315 Buena Vista Dr.		F	<u> 218</u>	20	S			·00			 			y TAT	1	1
Address:	13000 W	County P	ld 100			State, Zip: Carisbad, NM, 88	220	ļ.,		-				nd Me					T			RCRA
City, Stat	e, Zip_Oc	lessa,TX,	79765			ne: 575-885-7502				П	Γ.	<u> </u>					Π					
Phone: 8	32-541-7	719				il: jim.raley@dvn.com		1	윰												State	
Email: De	mail: Devon-team@etechenv.com			WO: 21191055											ΙI	N	м со	UT A	TX			
Collecte	d by: Edyt	e Konan	·		Incid	dent ID: nAPP2322658221, P2317840368	•		тэн сяслото/оно 1, 1015	8021	792	010	300.0			3		ř				
Time Sampled	Date Sampled	Matrix	*****	Sample IC) 		Leb	Depth/L)	19% GR	ETEX by 8023	VOC by 8260	Metals 6010	Chleride 300.0			BGDOC		2000			Remark	5
10:00	10.19.23	5	1			PH03	1	3'								x						
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Addition	nal Instru	ctions:																				
					ample. I am aware ds for legal action.	that tempering with or intentionally misi Sempled by: GM	abelling the same	pła lócz	ition,			r		-							y they are so tenguna day	
Relinquish	red by (Sign		To-		in.	Received by: (Signature) Michelle Gonzales	Date 10-20-	-23	Time	045	<u> </u>	Rec	elvec	d on k	ce:		J U	se On	ily			
Relinquish	ed by: (Slar	ionzale	0=		Time 1700	Cuth Mar	- 10:23·	23	Time							T2			7	3		
	red by: (Sign		Oar	*	Ficesq	Received by: (Signature)	Date		Time			AVO	3 Ten	np°⊂	4	ł						
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Printed: 10/23/2023 12:47:38PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

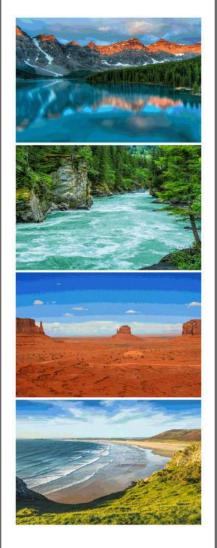
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15		Work Order ID:	E310205
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:16		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location mat	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were	all 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
	<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 tl	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If ye	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 C				
	Container	<u> </u>	_				
	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			165				
	e field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
I	Date/Time Collected?		Yes	L			
(Collectors name?		Yes				
	Preservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If ye	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	ry?	No				
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab:	: NA		
	<u>nstruction</u>						
<u>Chent i</u>	instruction .						

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310215

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310215

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

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Sample Summary

		•	
WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:11

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
PH03 4'	E310215-01A Se	oil	10/19/23	10/23/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:11:18PM

PH03 4' E310215-01

		E510215-01					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	RKS		Batch: 2343025
Renzene	ND	0.0250	1		10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1		10/23/23	10/25/23	
Toluene	ND	0.0250	1		10/23/23	10/25/23	
o-Xylene	ND	0.0250	1		10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1		10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.1 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.1 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: l	KM		Batch: 2343042
Diesel Range Organics (C10-C28)	ND	25.0	1		10/24/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1		10/24/23	10/24/23	
Surrogate: n-Nonane		96.5 %	50-200		10/24/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2343072



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:11:18PM

	Volatile Organic Compounds by EPA 8260B								Analyst: RKS		
				Source					, <u>-</u>		
Analyte	Result	Reporting Limit	Spike Level	Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
					70				110103		
Blank (2343025-BLK1)							Prepared: 1	0/23/23 Anal	yzed: 10/25/23		
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: Bromofluorobenzene	0.525		0.500		105	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130					
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130					
LCS (2343025-BS1)							Prepared: 1	0/23/23 Anal	yzed: 10/25/23		
Benzene	2.19	0.0250	2.50		87.8	70-130	1				
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130					
Toluene	2.16	0.0250	2.50		86.3	70-130					
o-Xylene	2.25	0.0250	2.50		90.1	70-130					
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130					
Total Xylenes	6.65	0.0250	7.50		88.7	70-130					
Surrogate: Bromofluorobenzene	0.509	0.0230	0.500		102	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130					
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130					
Matrix Spike (2343025-MS1)				Source:	E310207-	01	Prepared: 1	0/23/23 Anal	yzed: 10/25/23		
Benzene	2.38	0.0250	2.50	ND	95.0	48-131	г		,		
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135					
Toluene	2.35	0.0250	2.50	ND	94.0	48-130					
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135					
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135					
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135					
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130					
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130					
Matrix Spike Dup (2343025-MSD1)				Source:	E310207-	01	Prepared: 1	0/23/23 Anal	yzed: 10/25/23		
Benzene	2.30	0.0250	2.50	ND	91.9	48-131	3.36	23			
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135	1.97	27			
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.63	24			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135	0.644	27			
p,m-Xylene	4.70	0.0500	5.00	ND	94.1	43-135	0.910	27			
Total Xylenes	7.10	0.0250	7.50	ND	94.7	43-135	0.820	27			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130					
			0.500		00.1	50 130					



0.500

0.500

99.1

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.496

0.503

WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:11:18PM

	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343025-BLK1)						P	repared: 1	0/23/23 Analy	yzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.525 0.496		0.500 0.500		105 99.2	70-130 70-130			

LCS (2343025-BS2)		Prepared: 10/23/23 Analyzed: 10/	25/23			
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	89.3	70-130	
Surrogate: Bromofluorobenzene	0.521		0.500	104	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500	101	70-130	
Surrogate: Toluene-d8	0.497		0.500	99.3	70-130	

Matrix Spike (2343025-MS2)					E310207-0	1	Prepared: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130	
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130	

			Source:	E310207-	01	Prepared: 10	0/23/23 Analyzed: 10/25/23
51.5	20.0	50.0	ND	103	70-130	3.35	20
0.519		0.500		104	70-130		
0.501		0.500		100	70-130		
0.502		0.500		100	70-130		
	0.519 0.501	0.519 0.501	0.519 0.500 0.501 0.500	51.5 20.0 50.0 ND 0.519 0.500 0.501 0.500	51.5 20.0 50.0 ND 103 0.519 0.500 104 0.501 0.500 100	0.519 0.500 104 70-130 0.501 0.500 100 70-130	51.5 20.0 50.0 ND 103 70-130 3.35 0.519 0.500 104 70-130 0.501 0.500 100 70-130

WPX Energy - Carlsbad 5315 Buena Vista Dr	Project Name: Project Number:	RDX 16 #009 01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:11:18PM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					10/27/2023 2:11:18P		
	Nonhalogenated Organics by EPA 8015D - 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 (2343042-BLK1)							Prepared: 1	0/24/23 A	nalyzed: 10/24/23		
riesel Range Organics (C10-C28)	ND	25.0									
vil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	48.2		50.0		96.3	50-200					
.CS (2343042-BS1)							Prepared: 1	0/24/23 A	nalyzed: 10/24/23		
tiesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132					
urrogate: n-Nonane	46.0		50.0		92.1	50-200					
Matrix Spike (2343042-MS1)				Source:	E310238-	02	Prepared: 1	0/24/23 A	nalyzed: 10/24/23		
viesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132					
urrogate: n-Nonane	49.1		50.0		98.3	50-200					
Matrix Spike Dup (2343042-MSD1)				Source:	E310238-	02	Prepared: 1	0/24/23 A	nalyzed: 10/24/23		
tiesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	6.50	20			
urrogate: n-Nonane	52.1		50.0		104	50-200					

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 .058-0007					Reported:
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno					10/27/2023 2:11:18PM
		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 (2343072-BLK1)							Prepared: 1	0/25/23 A	nalyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)							Prepared: 10	0/25/23 A	nalyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				Source:	E310202-)1	Prepared: 1	0/25/23 A	nalyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				Source:	E310202-	01	Prepared: 10	0/25/23 A	nalyzed: 10/26/23

250

20.0

96.3

109

80-120

0.938

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 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:11

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 in	formation	1					Chain o	f Cu:	stody	•												
Client: W	PX Energ	/ Permia	. UC		- 11	BIN To		т		l a	hil	e On	he				···		AT		500	Program
Project: I	RDX 16 #0	09	,		— <u>Α++</u>	ention: Jim Raley		lab WO#			Job		her	-	1D	20	30		andard	CWA		
Project N	lanager: (ilbert M	oreno		Add	ress: 5315 Buena Vista Dr.		F	<u> </u>	215	5	NI	እናጀ	άx	ᅒ	-		30		TAT yel	+	300
Address:	13000 W	County R	d 100			, State, Zip: Carlsbad, NM, 882	20	┞┺┚						nd Me							+-	RCR
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Sampled	Sampled	Matrix	No. of Containers	Sample II)	-	Lab Number	Depth(R.)	100	OTEX by 6023	VOC by 8250	Metals 6010	Orberide 300.0			86DOC		2005			Rema	ks
10:10	10.19.23	S	1			PH03	1	4								x						
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Addition	al Instruc	tions:					<u>i</u>	_				!				-						
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7	ad by: (Signa			20123	Time	Received by: (Signature) Michelle Gonzales	Date 10-20-2	23	Three	245		Rece	elvec	i on ic	:e:	_	ib Us)/ N		niy			
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telingulsh	ed by: (Signa	ture)	Dete		Fimo	Received by: (Signature)	Date		Time				T	6^	_ 4					<u></u>	·	-
Sample Mat						1	Container		1					np °C								



envirotech

envirotech Inc.

Printed: 10/23/2023 12:38:26PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

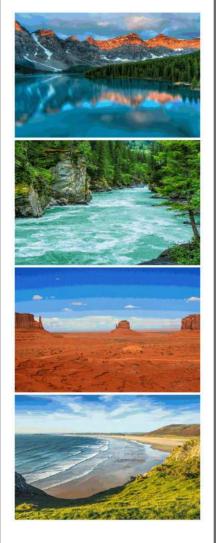
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15		Work Order ID:	E310215
Phone:	(539) 573-4018	Date Logged In:	10/23/23	12:36		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	. 1 . 1 . 60.6	Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Courier</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 in i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u>	s/Resolution
	urn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			Vac				
	sample cooler received? was cooler received in good condition?		Yes				
•	•		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	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	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4 (<u>~</u>				
Sample C			».T				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	n	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	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						
	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				
	act Laboratory						
	amples required to get sent to a subcontract laborato	m19	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	. NA		
		i so who:	1421	Subcontract Lab	, INA		
Client In	<u>astruction</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 #009

Work Order: E310204

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310204

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:15

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH04 0.5'	E310204-01A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH04 4'	E310204-02A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH05 0.5'	E310204-03A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH05 4'	E310204-04A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH06 0.5'	E310204-05A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH06 4'	E310204-06A Soil	10/19/23	10/23/23	Glass Jar. 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH04 0.5' E310204-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst:	RKS		Batch: 2343024
Benzene	ND	0.0250	1		10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1		10/23/23	10/25/23	
Toluene	ND	0.0250	1	l	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1		10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1		10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		108 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		108 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	-	Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1		10/23/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1		10/23/23	10/24/23	
Surrogate: n-Nonane		87.6 %	50-200		10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343043
Chloride	25200	1000	50	0	10/24/23	10/24/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH04 4' E310204-02

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2343024
Benzene	ND	0.0250	1		10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1		10/23/23	10/25/23	
Toluene	ND	0.0250	1		10/23/23	10/25/23	
o-Xylene	ND	0.0250	1		10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1		10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1		10/23/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1		10/23/23	10/24/23	
Surrogate: n-Nonane		87.3 %	50-200		10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	RAS		Batch: 2343043
Chloride	1620	40.0	2	!	10/24/23	10/24/23	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH05 0.5' E310204-03

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: R	KS		Batch: 2343024
Benzene	ND	0.0250	1		10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1		10/23/23	10/25/23	
Toluene	ND	0.0250	1		10/23/23	10/25/23	
o-Xylene	ND	0.0250	1		10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1		10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		112 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: R	KS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		112 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: K	M		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1		10/23/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1		10/23/23	10/24/23	
Surrogate: n-Nonane		86.9 %	50-200		10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: R	AS		Batch: 2343043
Chloride	17700	1000	50)	10/24/23	10/24/23	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH05 4' E310204-04

1,	Reporting		1	D 1		N
sult	Limit	Di	lution	Prepared	Analyzed	Notes
g/kg	mg/kg		Analyst:	RKS		Batch: 2343024
ID	0.0250		1	10/23/23	10/25/23	
ID	0.0250		1	10/23/23	10/25/23	
ID	0.0250		1	10/23/23	10/25/23	
ID	0.0250		1	10/23/23	10/25/23	
ID	0.0500		1	10/23/23	10/25/23	
ID	0.0250		1	10/23/23	10/25/23	
	100 %	70-130		10/23/23	10/25/23	
	96.7 %	70-130		10/23/23	10/25/23	
	110 %	70-130		10/23/23	10/25/23	
g/kg	mg/kg		Analyst:	RKS		Batch: 2343024
ID	20.0		1	10/23/23	10/25/23	
	100 %	70-130		10/23/23	10/25/23	
	96.7 %	70-130		10/23/23	10/25/23	
	110 %	70-130		10/23/23	10/25/23	
g/kg	mg/kg		Analyst:	KM		Batch: 2343027
ID	25.0		1	10/23/23	10/24/23	
ID	50.0		1	10/23/23	10/24/23	
	88.4 %	50-200		10/23/23	10/24/23	
g/kg	mg/kg		Analyst:	RAS		Batch: 2343043
55	20.0		1	10/24/23	10/24/23	
	D D D D D D D D D D D D D D D D D D D	Limit Limit	Limit Di	sult Limit Dilution /kg mg/kg Analyst: D 0.0250 1 D 0.0250 1 D 0.0250 1 D 0.0250 1 D 0.0500 1 D 0.0250 1 D 0.0250 1 ID 70-130 100% 96.7 % 70-130 110% ID 20.0 1 100 % 70-130 100% 96.7 % 70-130 110% 110 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% 100 % 70-130 110% <td>sult Limit Dilution Prepared /kg mg/kg Analyst: RKS D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0500 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 96.7 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 100 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 100 % 70-130 10/23/23 100 % 70-130 10/23/23 110 % 70-130 10/23</td> <td>sult Limit Dilution Prepared Analyzed /kg mg/kg Analyst: RKS D 0.0250 1 10/23/23 10/25/23 D 0.0500 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 10 %</td>	sult Limit Dilution Prepared /kg mg/kg Analyst: RKS D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0500 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 D 0.0250 1 10/23/23 96.7 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 100 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 110 % 70-130 10/23/23 100 % 70-130 10/23/23 100 % 70-130 10/23/23 110 % 70-130 10/23	sult Limit Dilution Prepared Analyzed /kg mg/kg Analyst: RKS D 0.0250 1 10/23/23 10/25/23 D 0.0500 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 D 0.0250 1 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 100 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 10 %



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH06 0.5' E310204-05

		201020100				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
	mg/kg	mg/kg		alyst: RKS		Batch: 2343024
Volatile Organic Compounds by EPA 8260B	ND	0.0250	1	10/23/23	10/25/23	Batch: 2343024
Benzene	ND ND	0.0250	1	10/23/23	10/25/23	
Ethylbenzene	ND ND	0.0250	1	10/23/23	10/25/23	
Toluene			1	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	10/23/23	10/25/25	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	32.0	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		81.8 %	50-200	10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2343043
11110115 6 1 11111 0 0 0 0 0 1 1						

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

PH06 4' E310204-06

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2343024
Benzene	ND	0.0250	1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/23/23	10/25/23	
Toluene	ND	0.0250	1	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		109 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		109 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		85.8 %	50-200	10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2343043
Chloride	98.9	20.0	1	10/24/23	10/24/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:15:36AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				10/2	://2023 10:15:36A
	V	olatile Organ	ic Compo	unds by El	PA 82601	В		I	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 (2343024-BLK1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23
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: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23
Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.69	0.0250	2.50		107	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.25	0.0500	5.00		105	70-130			
Total Xylenes	7.85	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.488	0.0250	0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: 1,2-Dictioroeinane-u4 Surrogate: Toluene-d8	0.533		0.500		107	70-130			
Matrix Spike (2343024-MS1)				Source	E310202-	02	Prepared: 10	0/23/23 Anal	yzed: 10/25/23
	2.45	0.0250	2.50	ND	98.2	48-131	F		,
Benzene	2.60	0.0250	2.50	ND	104	45-135			
Ethylbenzene Toluene	2.62	0.0250	2.50	ND	104	48-130			
o-Xylene	2.49	0.0250	2.50	ND	99.4	43-135			
•	5.01	0.0500	5.00	ND	100	43-135			
p,m-Xylene Total Xylenes	7.50	0.0250	7.50	ND	100	43-135			
· · · · · · · · · · · · · · · · · · ·	0.487	0.0230	0.500	TVD	97.4	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2343024-MSD1)				Source:	E310202-	02	Prepared: 10	0/23/23 Anal	yzed: 10/25/23
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	5.10	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	5.38	27	
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	6.15	24	
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	7.10	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	6.24	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	6.53	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
			0.500		100	50 130			



0.500

108

70-130

0.541

Surrogate: Toluene-d8

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Project Manager: Carlsbad NM, 88220 Gilbert Moreno 10/27/2023 10:15:36AM

Nonhalogenated Organic	s by EPA 8015D - GRO
------------------------	----------------------

Analyst: RKS

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343024-BLK1)							Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS2)							Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0	·	117	70-130	·		
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
Matrix Spike (2343024-MS2)				Source:	E310202-	02	Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2343024-MSD2)				Source:	E310202-	02	Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	1.03	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:15:36AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno	1				10/2//2023 10:15:36A
	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 (2343027-BLK1)							Prepared: 1	0/23/23 A	nalyzed: 10/24/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
CS (2343027-BS1)							Prepared: 1	0/23/23 A	nalyzed: 10/24/23
iesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	47.7		50.0		95.3	50-200			
Aatrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	nalyzed: 10/24/23
iesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	nalyzed: 10/24/23
iesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
urrogate: n-Nonane	47.2		50.0		94.4	50-200			

Chloride

Chloride

Chloride

Matrix Spike (2343043-MS1)

Matrix Spike Dup (2343043-MSD1)

230

743

728

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 01	DX 16 #009 .058-0007 ilbert Moreno	,				Reported: 10/27/2023 10:15:36AM
		Anions	by EPA 3	00.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2343043-BLK1)							Prepared: 1	0/24/23 A	nalyzed: 10/24/23
Chloride	ND	20.0							
LCS (2343043-BS1)							Prepared: 1	0/24/23 A	nalyzed: 10/24/23

250

250

250

20.0

200

200

90-110

80-120

80-120

2.13

Prepared: 10/24/23 Analyzed: 10/24/23

Prepared: 10/24/23 Analyzed: 10/24/23

20

M2

92.1

80.4

74.1

Source: E310238-03

Source: E310238-03

542

542

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 #009	
-	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:15

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Received by OCD: 8/6/2024/4:43:36:DMM

Client: W	/PX Energ	y Permia	ın, LLC.			Bill To		Γ		L	ab U	se O	nlv	•		Γ		T.	AT		EPA	Program
Project:					Atte	ention: Jim Raley		Lab	WO				Nun	ber	_	1D	20	3D	\$t	andard	CWA	SDWA
Project #	Aanager:	Gilbert N	Aoreno			iress: 5315 Buena Vista Dr.		ΙĒΞ	WO!	20	4	Dr.C	FZ	·	٦٢				5 (day TAT		
Address:	13000 W	County 1	Rd 100		City	, State, Zip: Carlsbad, NM, 8822	0					Analy	/sis a	nd Me	thoo	đ				1		RCRA
	te, Zip_O		79765		Pho	ne: 575-885-7502					<u> </u>	Г	l	ПΙ		Γ						1
Phone: 8					Em	ail: [lm.raley@dvn.com		1	§		1		l				l				State	
Email: D	evon-teal	m@etech	Henv.con	1		: 21191055		1	3		1		l				l		1	NM CO	UT A	Z TX
Callecte	d by: Edy	te Konan			+ 1	dent ID: nAPP2322658221, P2317840368] 	PH GRO/ORO/ORO by BOLS	12021	932	010	9000			¥		Ĕ		×		
Time Sempled	Date Sampled	Matrix	the of Containers	Sample I	D		Lab Number	Depth(A.	15 F.	१.२० १ √9 ×3110	VOC by £260	Metals 6010	Oiloride			30000		ğ		<u> </u>	Remark	3
10:20	10.19.23	. \$	1			PH04	1	0.5								×				<u></u> .		
10:30	10.19.23	S	1			PH04	2	4'								×						
10:40	10.19.23	s	1			PHOS	3	0.5								×						
10:50	10.19.23	s	1			PH05		4'								×						
11:00	10.19.23	s	1		- ·	PH06		0.5								×						
11:10	10.19.23	s	1			PH06	9	4*								×		į				<u>.</u>
																1	-					
				<u> </u>		10/20/2023																
											L		L									
																				:		
Addition	nal Instru	ctions:																				
ł					ample. I am seran nds for legal action	that tampering with or intentionally misleb Sempled by: SM.	eiling the sam	ole loca	tion.					-						an ice the day an 6 °C on sub	-	-
	ed by: (Star		lo	120123	10:45	Rocehed by: (Signature) Michelle Gonzales	10-20-	23	Time	104	5_	Rec	elve	d en la	:0:	_	Bb Ü	se Or I	ıly			
Relinquist MIC	helle (ature) 20NZAL	es 1	0-20-23	1700	Cutt Mou	10:23	23 g.12			т1		_	T2			13					
Relinquist	ed by: (Sign	uture)	Dar	7	Time	Received by: (Signature) Date			Firme			AVC	i Ter	np°C_	4	†						
Sample Ma	trtu: 5 - Soil.	id - Solid, Se	- Sudge, A	Aqueous, D.	Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: San	ples are di	carded 50	days after	results are re	ported unless oti	her arrangements are made. Hazardou ith this COC. The liability of the laborate									e cik	ent ex	rpensi	. The	repo	rt for the an	alysis of t	he above



envirotech

Printed: 10/23/2023 12:45:33PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

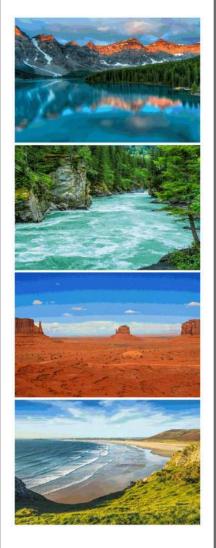
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15	Work Order ID:	E310204
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:14	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)		
Chain a	Custody (COC)					
	f Custody (COC)		37			
	the sample ID match the COC? The number of samples per sampling site location man	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	sted analyses?	Yes	Carrier: <u>Courier</u>		
	all samples received within holding time?	nea anary ses.	Yes			
J. WOIC	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 tl	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			
Sample	<u>Container</u>					
	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	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	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	zed?	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>Chent i</u>	nstruction .					

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310208

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310208

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Client Representative
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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda
ı	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH07 0.5'	E310208-01A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH07 4'	E310208-02A Soil	10/19/23	10/23/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:07:32PM

PH07 0.5' E310208-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343024
Benzene	ND	0.0250		1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250		1	10/23/23	10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		110 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0		1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		88.2 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2343072
	55.4	20.0			10/25/23	10/26/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:07:32PM

PH07 4' E310208-02

	2010200 02					
Dagult	Reporting	D.i.		Duomonod	Amalyzza	Notes
Kesuit	Limit	Dill	ution	Prepared	Anaiyzed	notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2343024
ND	0.0250		1	10/23/23	10/25/23	
ND	0.0250		1	10/23/23	10/25/23	
ND	0.0250		1	10/23/23	10/25/23	
ND	0.0250		1	10/23/23	10/25/23	
ND	0.0500		1	10/23/23	10/25/23	
ND	0.0250		1	10/23/23	10/25/23	
	102 %	70-130		10/23/23	10/25/23	
	98.7 %	70-130		10/23/23	10/25/23	
	110 %	70-130		10/23/23	10/25/23	
mg/kg	mg/kg mg/kg Analyst: RKS			Batch: 2343024		
ND	20.0		1	10/23/23	10/25/23	
	102 %	70-130		10/23/23	10/25/23	
	98.7 %	70-130		10/23/23	10/25/23	
	110 %	70-130		10/23/23	10/25/23	
mg/kg	mg/kg		Analyst:	KM		Batch: 2343027
ND	25.0		1	10/23/23	10/25/23	
ND	50.0		1	10/23/23	10/25/23	
	90.9 %	50-200		10/23/23	10/25/23	
	90.9 /0	20200				
mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
	ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO2 % 98.7 % II0 % 110 % mg/kg mg/kg ND 20.0 IO2 % 98.7 % II0 % 110 % mg/kg mg/kg ND 25.0	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 IO2 % 70-130 98.7 % 70-130 II0 % 70-130 mg/kg mg/kg ND 20.0 II0 % 70-130 mg/kg mg/kg nD 25.0	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 98.7 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 102 % 70-130 70-130 98.7 % 70-130 110 % mg/kg mg/kg Analyst: mg/kg mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 10/23/23 ND 0.0250 1 10/23/23 ND 0.0250 1 10/23/23 ND 0.0500 1 10/23/23 ND 0.0250 1 10/23/23 ND 0.0250 1 10/23/23 98.7 % 70-130 10/23/23 98.7 % 70-130 10/23/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 10/23/23 98.7 % 70-130 10/23/23 98.7 % 70-130 10/23/23 98.7 % 70-130 10/23/23 110 % 70-130 10/23/23 mg/kg mg/kg Analyst: KM ND 25.0 1 10/23/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 10/23/23 10/25/23 ND 0.0250 1 10/23/23 10/25/23 ND 0.0250 1 10/23/23 10/25/23 ND 0.0500 1 10/23/23 10/25/23 ND 0.0250 1 10/23/23 10/25/23 ND 0.0250 1 10/23/23 10/25/23 ND 0.0250 1 10/23/23 10/25/23 98.7 % 70-130 10/23/23 10/25/23 98.7 % 70-130 10/23/23 10/25/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 10/23/23 10/25/23 98.7 % 70-130 10/23/23 10/25/23 98.7 % 70-130 10/23/23 10/25/23 110 % 70-130 10/23/23 10/25/23 10/25/23 <td< td=""></td<>

WPX Energy - Carlsbad Project Name: RDX 16 #009

5315 Buena Vista Dr Project Number: 01058-0007

Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:07:32PM

Carlsbad NM, 88220		Project Manager	r: Gi	ilbert Moreno				10/	27/2023 2:07:32P		
	V	Volatile Organic Compounds by EPA 8260B						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 (2343024-BLK1)				Prepared: 10				repared: 10/23/23 Analyzed: 10/25/23			
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: Bromofluorobenzene	0.496		0.500		99.2	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130					
Surrogate: Toluene-d8	0.561		0.500		112	70-130					
LCS (2343024-BS1)							Prepared: 10	0/23/23 Ana	yzed: 10/25/23		
Benzene	2.55	0.0250	2.50		102	70-130					
Ethylbenzene	2.64	0.0250	2.50		106	70-130					
Foluene	2.69	0.0250	2.50		107	70-130					
o-Xylene	2.60	0.0250	2.50		104	70-130					
p,m-Xylene	5.25	0.0500	5.00		105	70-130					
Total Xylenes	7.85	0.0250	7.50		105	70-130					
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130					
Surrogate: Toluene-d8	0.533		0.500		107	70-130					
Matrix Spike (2343024-MS1)				Source: E310202-02 Prepare			Prepared: 10	0/23/23 Ana	yzed: 10/25/23		
Benzene	2.45	0.0250	2.50	ND	98.2	48-131					
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135					
Toluene	2.62	0.0250	2.50	ND	105	48-130					
o-Xylene	2.49	0.0250	2.50	ND	99.4	43-135					
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135					
Total Xylenes	7.50	0.0250	7.50	ND	100	43-135					
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130					
Surrogate: Toluene-d8	0.541		0.500		108	70-130					
Matrix Spike Dup (2343024-MSD1)				Source:	E310202-	02	Prepared: 1	0/23/23 Ana	lyzed: 10/25/23		
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	5.10	23			
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	5.38	27			
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	6.15	24			
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	7.10	27			
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	6.24	27			
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	6.53	27			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130					
			0.500		100	50 120					

0.500

108

70-130

0.541

Surrogate: Toluene-d8

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: Project Number: 01058-0007 5315 Buena Vista Dr Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:07:32PM

Nonhalogenated	Organice	by FDA	2015D	CPO

RPD		
Limit		

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 (2343024-BLK1)							Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			
LCS (2343024-BS2)							Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
Matrix Spike (2343024-MS2)				Source:	E310202-	02	Prepared: 1	0/23/23 Analy	zed: 10/25/23
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			
Matrix Spike Dup (2343024-MSD2)				Source:	E310202-	02	Prepared: 1	0/23/23 Analy	zed: 10/25/23

50.0

0.500

0.500

0.500

20.0

ND

113

101

95.8

111

56.3

0.505

0.479

0.557

70-130

70-130

70-130

70-130

1.03



WPX Energy - Carlsbad Project Name: RDX 16 #009
Sale Suena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:07:32PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					10/27/2023 2:07:32P
	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 (2343027-BLK1)							Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		93.9	50-200			
LCS (2343027-BS1)							Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23	Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
urrogate: n-Nonane	47.2		50.0		94.4	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DX 16 #009 1058-0007 filbert Moreno					Reported 10/27/2023 2:0'	
		Anions	by EPA	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 Limi		
Blank (2343072-BLK1)							Prepared:	10/25/23	Analyzed: 10/26	/23
Chloride	ND	20.0								
LCS (2343072-BS1)							Prepared:	10/25/23	Analyzed: 10/26	/23
Chloride	247	20.0	250		98.9	90-110				
Matrix Spike (2343072-MS1)				Source: 1	E310202-)1	Prepared:	10/25/23	Analyzed: 10/26	/23
Chloride	364	20.0	250	96.3	107	80-120				
Matrix Spike Dup (2343072-MSD1)				Source: 1	E310202-)1	Prepared:	10/25/23	Analyzed: 10/26	/23
Chloride	368	20.0	250	96.3	109	80-120	0.938	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:07

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: W	t: WPX Energy Permian, LLC. Bill To			Lab Use Only			TAT EPA P		rogram														
Project: I	RDX 16#0	009				Attention: Jim Raley			Lab	WOI			Job	Num	ber		10	10 2D		St		CWA	SDWA
Project N	Aanager:	Gilbert M	/loreno			Address: 5315 Buena \	Vista Dr.	***************************************	ĬË.	W0# 3102	'02	Z	ac	158	000) 7(TAT yeb		
Address:	13000 W	V County R	Rd 100			City, State, Zip: Carlsb	ad, NM, 8822	<u>.</u>	1					_	nd Me		d						RCRA
		dessa,TX,	, 79765			Phone: 575-885-7502						\Box		<u> </u>				<u> </u>			L'		
Phone: 8	132-541-7	719				Email: ilm_ralev@dvn.	com		1 '	景	l '	1	'				1		1 /			State	
Email: Dr	evon-tear	m@etech	tenv.com	A .	\neg	WO: 21191055			1	1	1 /	'	l '				1]			NM CO	UT AZ	ַ XT
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Time Sampled	Oate Sampled	Matrix	No. of Corculation.	Sample II	D			Lab Number	Depth(ft.)	TPH CRO/DRO/ORO by BOLS	ETEX by 8021	VOC by 8260	Metals 6010	Charide 300.0			96000		90 00 00			Remarks	
11:20	10.19.23	S	1			PH07			0.5'		\Box						x						
11:30	10.19.25	s	1			PH07		2	4'	\prod	\prod				\prod		x						
										\prod	\sqcap	Г	Г		口	\neg							
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Addition	nal Instruc	ctions:	/	, •				<u>.</u>				<u></u> -											
l''' .		•	•	nticety of this s	-	n surare that tampering with or in action. <u>Sampled by</u>	•	Ming the samp	de toca	iloc.											d on lee the day nen 6 "E on subs		před or
#	ed by (Soon			20/23	10:4	15 Received by: (Signature) Michelle G	Sonzales	10-20-	-23		104	45	Rec	elved	l on i	ce:		ab Us)/ N	e On	ily			
	helle (unure) JONZALI	es 1	0-20-23				/O·23·	<u>23</u>	Time	:15	<u>-</u>	72			_	- 12				<u>T3</u>		
Relinquish	ed by: (Sign	Mure)	Dete		Time	Received by: (Signatur	re)	Claster		Time			AVC	Ten	np °C	4	f						
Sample Mat	urbs: 5 - Soft. 5	d - Soled, Sg	- Słudge, A-	Aqueous D • (Other			Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Sem	ples are disc	carded 30 da	days after n	results are rep	ported unic	ess other arrangements are m	made. Hazardous	sampies will	i be re	rturned	d to cl	lient o	or disp	osod (of at ch	he cite	ent ex	pense	. The	геро	et for the ar	alysis of th	e above
samples is	applicable	only to the	se samples	received by	the labore	tory with this COC. The Habilit	ity of the laborato	ry is amited	to the	arnov	ınt pa	id for	on th	e repe	HT.							•	



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Printed: 10/23/2023 1:00:26PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

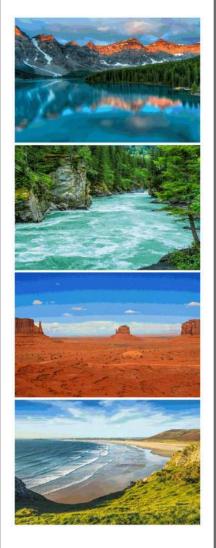
Instructions: Please take note of any NO checkmarks.

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:	10/23/23	08:15		Work Order ID:	E310208
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:20		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
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, reques	ted analyses?	Yes	currer. <u>c</u>	<u> </u>		
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
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 visible ice, record the temperature. Actual sample	received w/i 15	Yes				
		temperature. 4	<u>C</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				
	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		Yes				
Field La	· · · · · · · · · · · · · · · · · · ·	ers conected?	105				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample 1	Preservation_						
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 m	etals?	No				
Multipha	ase 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				
Subconti	ract Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	· NA		
	nstruction			Successifiant Euro	,. 141 1		
Chem II	<u>iisti uctioii</u>						

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310207

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E310207

Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2023 8:15:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:05	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
PH08 0.5'	E310207-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	
PH08 1'	E310207-02A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	
PH09 0.5'	E310207-03A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	
PH09 1'	E310207-04A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	
PH10 0.5'	E310207-05A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	
PH10 1'	E310207-06A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH08 0.5' E310207-01

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343025
Benzene	ND	0.0250	1	1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	1	10/23/23	10/25/23	
Toluene	ND	0.0250	1	1	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	l	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.8 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.8 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/23/23	10/25/23	
Surrogate: n-Nonane		87.9 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
Chloride	259	20.0	1	1	10/25/23	10/26/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH08 1' E310207-02

		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343025
Benzene	ND	0.0250		1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250		1	10/23/23	10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0		1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		92.7 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
Chloride	111	20.0		1	10/25/23	10/26/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH09 0.5' E310207-03

	D. I.	Reporting	P.		D 1		N
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg			Analyst: R	KS		Batch: 2343025
Benzene	ND	0.0250	1	l	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	I	10/23/23	10/25/23	
Toluene	ND	0.0250	1	l	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	l	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	l	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	l	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.7 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		104 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		99.7 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	l	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	I	10/23/23	10/25/23	
Surrogate: n-Nonane		85.4 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R.	AS		Batch: 2343072
Chloride	159	20.0	1		10/25/23	10/26/23	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH09 1' E310207-04

		E310207-04				
		Reporting				
Analyte	Result	Limit	Dilu	tion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2343025
Benzene	ND	0.0250	1	10/23	/23 10/25/23	
Ethylbenzene	ND	0.0250	1	10/23	/23 10/25/23	
Toluene	ND	0.0250	1	10/23	/23 10/25/23	
o-Xylene	ND	0.0250	1	10/23	/23 10/25/23	
p,m-Xylene	ND	0.0500	1	10/23	/23 10/25/23	
Total Xylenes	ND	0.0250	1	10/23	/23 10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23	2/23 10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130	10/23	2/23 10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23	/23 10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/23	10/25/23	
Surrogate: Toluene-d8		100 %	70-130	10/23	2/23 10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23	/23 10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23	/23 10/25/23	
Surrogate: n-Nonane		96.4 %	50-200	10/23	1/23 10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS		Batch: 2343072
Chloride	24.7	20.0	1	10/25	10/26/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH10 0.5' E310207-05

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst: RKS		Batch: 2343025
Benzene	ND	0.0250	1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/23/23	10/25/23	
Toluene	ND	0.0250	1	10/23/23	10/25/23	
o-Xylene	ND	0.0250	1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500	1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130	10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		91.3 %	50-200	10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2343072
Chloride	157	20.0	1	10/25/23	10/26/23	

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

PH10 1' E310207-06

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst:	RKS		Batch: 2343025
Benzene	ND	0.0250		1	10/23/23	10/25/23	
Ethylbenzene	ND	0.0250		1	10/23/23	10/25/23	
Toluene	ND	0.0250		1	10/23/23	10/25/23	
o-Xylene	ND	0.0250		1	10/23/23	10/25/23	
p,m-Xylene	ND	0.0500		1	10/23/23	10/25/23	
Total Xylenes	ND	0.0250		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		103 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		103 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		10/23/23	10/25/23	
Surrogate: Toluene-d8		101 %	70-130		10/23/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0		1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/25/23	
Surrogate: n-Nonane		86.3 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
Chloride	25.2	20.0		1	10/25/23	10/26/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:05:24PM

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno	1			10/2	27/2023 2:05:24P
	V	olatile Organ		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 (2343025-BLK1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23
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: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
LCS (2343025-BS1)							Prepared: 10	0/23/23 Anal	yzed: 10/25/23
Benzene	2.19	0.0250	2.50		87.8	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.25	0.0250	2.50		90.1	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.65	0.0250	7.50		88.7	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike (2343025-MS1)				Source:	E310207-	01	Prepared: 10)/23/23 Anal	yzed: 10/25/23
Benzene	2.38	0.0250	2.50	ND	95.0	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.35	0.0250	2.50	ND	94.0	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
Matrix Spike Dup (2343025-MSD1)				Source:	E310207-	01	Prepared: 10	0/23/23 Anal	yzed: 10/25/23
Benzene	2.30	0.0250	2.50	ND	91.9	48-131	3.36	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135	1.97	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.63	24	
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135	0.644	27	
p,m-Xylene	4.70	0.0500	5.00	ND	94.1	43-135	0.910	27	
Total Xylenes	7.10	0.0250	7.50	ND	94.7	43-135	0.820	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
			0.500		101	50.120			



0.500

70-130

0.503

Surrogate: Toluene-d8

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:05:24PM

Nonhalogenated Organic	s by EPA 8015D - GRO
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Analyst: RKS

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

•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343025-BLK1)							Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
LCS (2343025-BS2)							Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			
Matrix Spike (2343025-MS2)				Source:	E310207-	01	Prepared: 1	0/23/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
Matrix Spike Dup (2343025-MSD2)				Source:	E310207-	01	Prepared: 10/23/23 Analyzed: 10/25/		
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.35	20	
Substime runige Signines (CS C10)	51.5								
	0.519		0.500		104	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4			0.500 0.500		104 100	70-130 70-130			



WPX Energy - Carlsbad Project Name: RDX 16 #009
Sale Suena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 2:05:24PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1				10/27/2023 2:05:24P
	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 (2343027-BLK1)							Prepared: 1	0/23/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			
LCS (2343027-BS1)							Prepared: 1	0/23/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2343027-MS1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			
Matrix Spike Dup (2343027-MSD1)				Source:	E310204-	06	Prepared: 1	0/23/23 A	analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:		ilbert Moreno					10/27/2023 2:05:24PM
		Anions	by EPA	300.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343072-BLK1)							Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)							Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				Source:	E310202-0)1	Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				Source:	E310202-0)1	Prepared:	10/25/23	Analyzed: 10/26/23
Chloride	368	20.0	250	96.3	109	80-120	0.938	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 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:05

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Received by OCD: 8/6/2024 A: 43:36 PMM

Client: W	/PX Energ	y Permia	n, LLC.			Bill To		1		ı.	ab U	se O	nlv				T/	AT		FPA P	rogram
	RDX 16 M		1		Att	ention: Jim Raley		lab	WO				Nun	ber	10	20	ĪΞ		andard	CWA	SDWA
Project N	Aanager:	Gilbert N	oreno			dress: 5315 Buena Vista Dr.	-	1F	310	20	П			T000-1		 		50	TAT yes		
Address:	13000 W	County I	Rd 100		Cit	, State, Zip: Carlsbad, NM, B8:	220	1-						nd Metho	-	-		\neg			RCRA
City, Stat	e, Zip_Oc	iessa,TX,	79765			one: 575-885-7502		1	П	<u></u>	Г							一			
Phone: 8	32-541-7	719				ail: lim.raiey@dvn.com		1	2	1		1	i i	:						State	•
Email: De	evon-tear	n@etech	env.con	n	_): 211910SS		1	1 80 LB		Į	1	ł						NM CO	UT AZ	ΤX
						Ident ID: nAPP2322658221,	•	1	8	l		ı	1	1 1 1							1 1 -
						PP2317840368			Įğ	ᆵ	۱.	۱_	l e	1 1 1	Σ	İ	ا با				l i
Collected	by: Edyt	e Konan] =	Įĝ	120	3	ğ	ğ		1		Ĕ				
Time Sureplant	Dete Sempled	Marteta	line of Containon	Sample i	D		Lab Number	Depth(ft.)	TPH GRO/DRO/ORD	BTEX by	0928 A 30V	Metals 5010	Charlds		BeDOC	L	og G			Remarks	•
11:40	10.19.23	\$	1	<u> </u>		PHQ8	1	0.5							×						
11:50	10.19-23	S	1			PH08	2	1'							×						
12:00	10.19.23	s	1			PH09	3	0.5							x						
12:10	10.19.23	S	1			PHO9	4	1'							x						
12:20	10.19.23	s	1			PH10	5	0.5							x						·
12:30	10.19.23	s	1			PH10	6	ľ							x				-		
					-											-					•
						10/20/2023															
Addition	al Instru	ctions:																			
					lample. I em avran rels for legal action	e that tempering with or intentionally must Sempled by: GAI	belking the samp	de loca	ition,					ring thermal pr pd in ice at an i							glied car
Relanquish	ed by: (Sur	eture)	8	20/23	10:45	Received by: (Signature) MICHELLE GONZALES	10-20-	23	Timer	045	,	Rea	elvec	on ice:			e On	İγ			
	ed by: Islan		1(-20-23	Time 1700	Received by: (Strontouro) Man	O-23-2	23	8;	15	-	T1			∵ T2				1 3		
Relinquish	ed by: (Sign	thure)	Dat	•	Time	Received by: (Signature)	Date		Time				Ten	∠ 1p °C∠	<u> </u>						
Sample Met	rise \$ - Soil, S	d - Solid, Sg -	Studge, A	Aqueous, O -	Orber	<u> </u>	Container	Туре	: g - 6	alass.	p - c			, ag - amb	er o	ass. \	1 - VO				
						her arrangements are made. Hazardo	us samples wi	bere	turne	d to cl	ient (or disp	osed	of at the cite	nt ex	pense	The	repor	t for the an	alysis of th	e above
comples is	applicable o	ordy to thei	e sample	received by	the laboratory w	rith this COC. The liability of the labora	tory is ilmited	to the	a mar	ent na	id fer	on th	e ren	ert.						J	



envirotech

Printed: 10/23/2023 12:58:03PM

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:	10/23/23 (08:15	Work Order ID:	E310207
Phone:	(539) 573-4018	Date Logged In:	10/23/23 (9:18	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	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: Courier		
	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 i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u> Curn 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 ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container _	- I	-			
	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 contai		Yes			
Field Lal	• • • • • • • • • • • • • • • • • • • •					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
C	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 r	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 laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client Ir	nstruction_					

Date

Printed: 10/23/2023 12:58:03PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

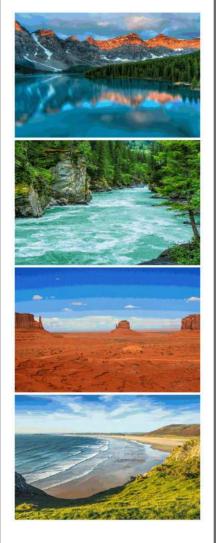
Instructions: Please take note of any NO checkmarks.

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:	10/23/23	08:15		Work Order ID:	E310207
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:18		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier. <u>C</u>	<u>Journal</u>		
	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 T	<u> Curn 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,	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. 4	<u> </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				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	· · ·	ers conected?	168				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	illiation.	Yes				
	ate/Time Collected?		Yes	l			
C	ollectors name?		Yes				
Sample P	reservation_						
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	w9	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	. NA		
		so who:	1421	Subcontract Lab	, NA		
Client Ir	<u>nstruction</u>						

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311103

Job Number: 04108-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/22/23

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: 11/22/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311103

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

			<u> </u>	
Г	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04108-0639	Reporteu:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 13:02

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
PH01 6'	E311103-01A	Soil	11/09/23	11/13/23	Glass Jar, 4 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

PH01 6' E311103-01

	E311103-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: RKS		Batch: 2346097
ND	0.0250	1	11/16/23	11/17/23	
ND	0.0250	1	11/16/23	11/17/23	
ND	0.0250	1	11/16/23	11/17/23	
ND	0.0250	1	11/16/23	11/17/23	
ND	0.0500	1	11/16/23	11/17/23	
ND	0.0250	1	11/16/23	11/17/23	
	98.3 %	70-130	11/16/23	11/17/23	
mg/kg	mg/kg	Analys	st: RKS		Batch: 2346097
ND	20.0	1	11/16/23	11/17/23	
	92.5 %	70-130	11/16/23	11/17/23	
mg/kg	mg/kg	Analys	t: KM		Batch: 2346075
ND	25.0	1	11/16/23	11/17/23	
ND	50.0	1	11/16/23	11/17/23	
	96.1 %	50-200	11/16/23	11/17/23	
mg/kg	mø/kø	Analys	st: BA		Batch: 2346090
88					
	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 98.3 % mg/kg MD 20.0 92.5 % mg/kg MD 25.0 ND 50.0 96.1 %	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 MD 0.0250 1 MD 20.250 1 Mg/kg mg/kg Analys ND 20.0 1 Mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 96.1 % 50-200	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/16/23 ND 0.0250 1 11/16/23 ND 0.0250 1 11/16/23 ND 0.0250 1 11/16/23 ND 0.0500 1 11/16/23 ND 0.0250 1 11/16/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/16/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/16/23 ND 50.0 1 11/16/23 ND 50.0 1 11/16/23	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/16/23 11/17/23 ND 0.0250 1 11/16/23 11/17/23 ND 0.0250 1 11/16/23 11/17/23 ND 0.0500 1 11/16/23 11/17/23 ND 0.0250 1 11/16/23 11/17/23 MD 0.0250 1 11/16/23 11/17/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/16/23 11/17/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/16/23 11/17/23 ND 25.0 1 11/16/23 11/17/23 ND 50.0 1 11/16/23 11/17/23



RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 04108-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 1:02:38PM **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 (2346097-BLK1) Prepared: 11/16/23 Analyzed: 11/17/23 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 7.80 8.00 97.6 70-130 LCS (2346097-BS1) Prepared: 11/16/23 Analyzed: 11/17/23 4.68 5.00 93.6 70-130 Benzene 0.0250 Ethylbenzene 4.66 0.0250 5.00 93.3 70-130 4.69 0.0250 5.00 93.8 70-130 Toluene 94.0 o-Xylene 4.70 0.0250 5.00 70-130 9.51 10.0 95.1 70-130 0.0500 p.m-Xvlene 94.7 70-130 14.2 15.0 Total Xylenes 0.0250 8.00 98.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.91 Matrix Spike (2346097-MS1) Source: E311115-22 Prepared: 11/16/23 Analyzed: 11/17/23 5.31 0.0250 5.00 ND 54-133 Benzene 5.25 ND 105 61-133 Ethylbenzene 0.0250 5.00 Toluene 5.30 0.0250 5.00 ND 106 61-130 5.28 ND 106 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.7 0.0500 10.0 ND 107 63-131 16.0 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.97 8.00

Source: E311115-22

104

103

104

104

105

104

101

54-133

61-133

61-130

63-131

63-131

63-131

70-130

1.82

1.81

2.07

1.91

2.03

1.99

ND

ND

ND

ND

ND

ND



Prepared: 11/16/23 Analyzed: 11/17/23

20

20

20

20

20

20

Matrix Spike Dup (2346097-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.21

5.16

5.19

5.18

10.5

15.7

8.04

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

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno					11/22/2023 1:02:38PM	
	Non	halogenated	Organics l	by EPA 80	15D - GI	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 (2346097-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/17/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130				
LCS (2346097-BS2)							Prepared: 1	1/16/23 A	nalyzed: 11/17/23	
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130				
Matrix Spike (2346097-MS2)				Source:	E311115-2	2	Prepared: 1	1/16/23 A	nalyzed: 11/17/23	
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130				
Matrix Spike Dup (2346097-MSD2)				Source:	E311115-2	2	Prepared: 1	1/16/23 A	nalyzed: 11/17/23	
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	5.09	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130				



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				11	/22/2023 1:02:38PN
	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 (2346075-BLK1)							Prepared: 1	1/16/23 Ana	alyzed: 11/17/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.8		50.0		89.7	50-200			
LCS (2346075-BS1)							Prepared: 1	1/16/23 Ana	alyzed: 11/17/23
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			
Matrix Spike (2346075-MS1)				Source:	E311102-2	27	Prepared: 1	1/16/23 Ana	alyzed: 11/17/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132			
Surrogate: n-Nonane	45.0		50.0		90.1	50-200			
Matrix Spike Dup (2346075-MSD1)				Source:	E311102-2	27	Prepared: 1	1/16/23 Ana	alyzed: 11/17/23
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	0.202	20	
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	DX 16 #009 1108-0639 ilbert Moreno			Reported: 11/22/2023 1:02:38PM				
		Anions	by EPA 3	00.0/9056 <i>A</i>	\				Analyst: BA	
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limi		ac.
Blank (2346090-BLK1)							Prepared:	11/16/23	Analyzed: 11/10	5/23
Chloride	ND	20.0								
LCS (2346090-BS1)							Prepared:	11/16/23	Analyzed: 11/10	5/23
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2346090-MS1)				Source:	ource: E311129-05			11/16/23	Analyzed: 11/10	5/23
Chloride	1050	20.0	250	775	110	80-120				
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-()5	Prepared:	11/16/23	Analyzed: 11/10	5/23

250

20.0

80-120

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 #009	
١	5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 13:02

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

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Page __1__ of __1___

04108-0639

Client: W	PX Energ	/ Permia	n. LLC				Bill To					L	Lab Use Only TAT EPA							rogram				
Project: R	OX 16 #0	009 Attention: Jim Raley								Lab	WD			Job	Nun	ber		10	20	3D	St	andard	CWA	SDWA
Project Manager: Gilbert Moreno							ess: 5315 Buena Vista Dr.			E٤	M	0 .3	,	O K	368	68-0001					5	day TAT		
Address:	13000 W	County F	Rd 100		_	City.	State, Zip: Carlsbad, NM, 882	20								nd M		j						RCRA
City, Stat	e, Zip_Od	essa,TX,	79765		┪		e: 575-885-7502			·		П	i .	П	Τ							Ì		
Phone: 8	2-541-7	719				Email	: fim.raley@dvn.com				2	l	1	1	l				1				State	
Email: De	von-tean	@etech	env.con	<u> </u>	_		21191055		~		ā	l	1	ł	ĺ		i		į			NM CO	UT AZ	TX
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Collected	by: Edyt	e Konan					20170703001			-	Ş	8	25		١š	l		;		7		_ <u>×</u>	<u> </u>	<u></u>
Time Sampled	Date Sempled	Matrix	CONCRUENCE part for	Sample ID				Lai Nu m	_	(pepeth(ft.)	TPH GRO/DRO/DRO by 8015	67EX by 802	VOC by 8260	Metals 6010	Chipeide 300.0			20059		2005	:		Remarks	
10:00	11.09.23	S	1			-	PH01			6.				Γ				×			-			
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Addition																								
				enticity of this i nd may be grou			that tampering with or Intentionally misfa Sampled by: GH:			····												on los the day and ⁴ C on sub		pied cz
Resinquish	ed by, (Sign	eture)	0.	110/2023	Tarre		Provided by: (Signature)	Chatc	SI.	23 7:00		S	Received on ice:			ce:	Lab Use Only : Y / N							
		Time	Received by: (Signature) Cata				Time		_] _{i1}				<u> 72 </u>										
Relinquished by: (Signature) Date Fin			Tiene	Received by: (Signature) Date					Time	,		AVI	G Ter	np °C					_	- F , ,,, ,,				
Sample Matrix: S - Soil, Sd - Soila, Sg - Skudge, A - Aquesto, O - Other Contail						ntainer Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note Sam	oles are dis	carded 30	days after	results over	ported	unies oth	ar arrangements are mode. Hetardo	us sample	M Wil	be re	rbus m	ed to	chent	or dis	poreq	of of t						rt for the or	of the startes	e above
samples is	applicable	only to the	se sampl	rs received by	the lab	oratory w	th this COC. The liability of the labora	tory is lin	died	to the	ème	ont p	e d to	f on ti	w rep	ort.								



envirotech

Printed: 11/15/2023 11:32:52AM

Envirotech Analytical Laboratory

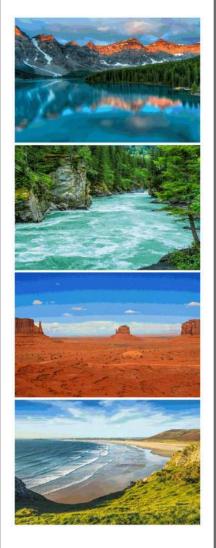
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23	09:00		Work Order ID:	E311103
Phone:	(539) 573-4018	Date Logged In:	11/13/23	13:03		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location materials	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	Ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	carrer. <u>c</u>	<u> </u>		
	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 disucssion.	•		,		Comment	s/Resolution
	<u>urn Around Time (TAT)</u>						
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	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature. 4 v	<u>c</u>				
Sample C			NT.				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?						
	trip blank (TB) included for VOC analyses?	a.	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				
		, 2001	11/1				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and in	t so who?	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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311104

Job Number: 04108-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/22/23

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: 11/22/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311104

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Cell: 775-287-1762

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mgonzales@envirotech-inc.com

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Sample Summary

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04108-0639	Reported.
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 6'	E311104-01A	Soil	11/18/23	11/13/23	Glass Jar, 4 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

PH04 6' E311104-01

	L311104-01				
Domit	Reporting	Diles	ion Duomor- J	A malkyra J	Notes
Result	Limit	Dilut	ion Prepared	Analyzed	inotes
mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2347012
ND	0.0250	1	11/20/23	11/20/23	
ND	0.0250	1	11/20/23	11/20/23	
ND	0.0250	1	11/20/23	11/20/23	
ND	0.0250	1	11/20/23	11/20/23	
ND	0.0500	1	11/20/23	11/20/23	
ND	0.0250	1	11/20/23	11/20/23	
	99.5 %	70-130	11/20/23	11/20/23	
	98.7 %	70-130	11/20/23	11/20/23	
	109 %	70-130	11/20/23	11/20/23	
mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2347012
ND	20.0	1	11/20/23	11/20/23	
	99.5 %	70-130	11/20/23	11/20/23	
	98.7 %	70-130	11/20/23	11/20/23	
	109 %	70-130	11/20/23	11/20/23	
mg/kg	mg/kg	A	Analyst: JL		Batch: 2347018
ND	25.0	1	11/20/23	11/20/23	<u> </u>
ND	50.0	1	11/20/23	11/20/23	
	153 %	50-200	11/20/23	11/20/23	
mg/kg	mg/kg	Α	Analyst: BA		Batch: 2347005
299	20.0	1	11/20/23	11/20/23	
	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 99.5 % 98.7 % 109 % mg/kg ND 20.0 99.5 % 98.7 % 109 % 109 % mg/kg mg/kg ND 25.0 ND 50.0 153 % mg/kg mg/kg mg/kg	Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.5 % 70-130 98.7 % 70-130 109 % 70-130 mg/kg mg/kg ND 20.0 1 99.5 % 70-130 98.7 % 70-130 109 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 153 % 50-200 mg/kg mg/kg A	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/20/23 ND 0.0250 1 11/20/23 ND 0.0250 1 11/20/23 ND 0.0250 1 11/20/23 ND 0.0500 1 11/20/23 ND 0.0250 1 11/20/23 ND 0.0250 1 11/20/23 99.5 % 70-130 11/20/23 109 % 70-130 11/20/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/20/23 99.5 % 70-130 11/20/23 99.5 % 70-130 11/20/23 109 % 70-130 11/20/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/20/23 ND 50.0 1 11/20/23 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/20/23 11/20/23 ND 0.0250 1 11/20/23 11/20/23 ND 0.0250 1 11/20/23 11/20/23 ND 0.0500 1 11/20/23 11/20/23 ND 0.0250 1 11/20/23 11/20/23 ND 0.0250 1 11/20/23 11/20/23 ND 0.0250 1 11/20/23 11/20/23 99.5 % 70-130 11/20/23 11/20/23 109 % 70-130 11/20/23 11/20/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/20/23 11/20/23 109 % 70-130 11/20/23 11/20/23 109 % 70-130 11/20/23 11/20/23 109 % 70-130 11/20/23 11/20/23 109 % 70-13



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 04108-0639
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:13:17AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				11/2	2/2023 10:13:1/AN
	V	olatile Organ	ic Compo	unds by EI	PA 8260F	3		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 (2347012-BLK1)							Prepared: 1	1/20/23 Analy	yzed: 11/20/23
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: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			
LCS (2347012-BS1)							Prepared: 1	1/20/23 Analy	yzed: 11/20/23
Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.71	0.0250	2.50		108	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.76	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
Matrix Spike (2347012-MS1)				Source:	E311148-0)1	Prepared: 1	1/20/23 Analy	yzed: 11/21/23
Benzene	2.66	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.69	0.0250	2.50	ND	107	45-135			
Toluene	2.74	0.0250	2.50	ND	109	48-130			
o-Xylene	2.57	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.16	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			
Matrix Spike Dup (2347012-MSD1)				Source:	E311148-0)1	Prepared: 1	1/20/23 Analy	yzed: 11/21/23
Benzene	2.56	0.0250	2.50	ND	102	48-131	3.83	23	
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135	2.58	27	
Toluene	2.68	0.0250	2.50	ND	107	48-130	2.05	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	2.48	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	2.08	27	
Total Xylenes	7.57	0.0250	7.50	ND	101	43-135	2.22	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
0 10011 1 1	0.400		0.500		00.7	70 120			



0.500

0.500

99.7

108

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.499

0.539

Surrogate: Toluene-d8

Matrix Spike Dup (2347012-MSD2)

QC Summary Data

WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 04108-0639
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:13:17AM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				11/2	2/2023 10:13:17	
Nonhalogenated Organics by EPA 8015D - GRO 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 (2347012-BLK1)							Prepared: 1	1/20/23 Analy	yzed: 11/20/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130				
Surrogate: Toluene-d8	0.551		0.500		110	70-130				
LCS (2347012-BS2)							Prepared: 1	1/20/23 Analy	yzed: 11/20/23	
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130				
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130				
Surrogate: Toluene-d8	0.545		0.500		109	70-130				
Matrix Spike (2347012-MS2)				Source:	E311148-()1	Prepared: 1	1/20/23 Analy	yzed: 11/21/23	
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130				
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130				

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	0.678	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

0.500

0.555

111

Source: E311148-01

70-130

Prepared: 11/20/23 Analyzed: 11/21/23

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno				I	1/22/2023 10:13:17A
	Nonha	logenated Or	ganics by l	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 (2347018-BLK1)							Prepared: 1	1/20/23 Ar	nalyzed: 11/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			
LCS (2347018-BS1)							Prepared: 1	1/20/23 Ar	nalyzed: 11/20/23
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			
Matrix Spike (2347018-MS1)				Source:	E311152-2	22	Prepared: 1	1/20/23 Ar	nalyzed: 11/20/23
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike Dup (2347018-MSD1)				Source:	E311152-2	22	Prepared: 1	1/20/23 Ar	nalyzed: 11/20/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	1.09	20	
Surrogate: n-Nonane	57.1		50.0		114	50-200			

Matrix Spike Dup (2347005-MSD1)

Chloride

10000

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number		OX 16 #009 108-0639					Reported:
Carlsbad NM, 88220		Project Manager	r: Gi	ilbert Moreno				11	1/22/2023 10:13:17AM
	Anions by EPA 300.0/9056A								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 (2347005-BLK1)							Prepared: 1	1/20/23 An	alyzed: 11/20/23
Chloride	ND	20.0							
LCS (2347005-BS1)							Prepared: 1	1/20/23 An	alyzed: 11/20/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2347005-MS1)				Source:	E311137-0	02	Prepared: 1	1/20/23 An	alyzed: 11/20/23
Chloride	9930	400	250	10200	NR	80-120			M4

250

400

Source: E311137-02

NR

80-120

0.769

10200

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: 11/20/23 Analyzed: 11/20/23

20

Definitions and Notes

ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
١	5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:13

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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





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Project R	DX 16 #00	10	i, ccc.	.		Attention: Jim Raley		Lab	WOI	<u> </u>		i.L		ber		10	2D	3D	St	anda	td	CW		SDWA
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	e, Zip_Od					Phone: 575-885-7502		 						7										
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Collected	by: Edyte	. Konan			1	nAPP2317840368			/ORQ/O	1709	38	릙	0002			¥		ĸ		×				
Time Sampled	Date Sampled	Matrix	Ha bi Containers	Sample ID	L	<u> </u>	Lab Number	Depth(ft)	тън сло/око/око ъу вот\$	ETEX 24 8021	VOC by 8260	Metals 6010	Ovienide 300.0			BGDOC		COOC				Rema	rks	
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Sample Met			i			<u> </u>	Containe			_				-	-	****	•							



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Printed: 11/13/2023 1:49:00PM

Envirotech Analytical Laboratory

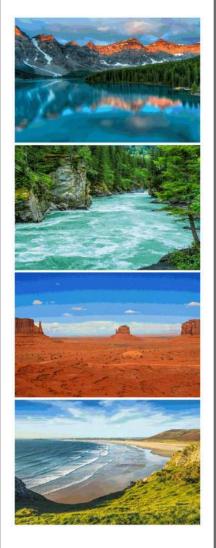
Sample Receipt Checklist (SRC)

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:	11/13/23	09:00		Work Order ID:	E311104
Chain of Custody (COC) 1. Does the sample 1D match the COC? 2. Does the number of samples per sampling site location match the COC yes Yes	Phone:	(539) 573-4018	Date Logged In:	11/13/23	13:46		Logged In By:	Jordan Montano
1. Does the sample ID match the COC? 2. Does the number of 'asmiples per sampling site location match the COC Yes 2. Does the number of 'asmiples per sampling site location match the COC Yes 4. Was the COC complete, i.e., signatures, date-wirmer, requested analyses? 4. Was the COC complete, i.e., signatures, date-wirmer, requested analyses? 5. Note: Analysia, mach as pH which should be conducted in the field, i.e. 15 minus healt time; are not included in this discussion. Samule Turn Around Time Halt Time. 5. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. Was the sample Cooler received? 9. Was the sample cooler received? 9. Was the sample colorer received in good condition? 9. Was the sample colorer received in fined, i.e., not broken? 10. Were countedly-kecurity seals present? 10. Were countedly-kecurity seals present? 11. If yes, were countedly-kecurity seals intact? 12. Was the sample colored in ince? If yes, the recorded temp is 4°C, i.e., 6°42°C. Yes Nate: Thornal postervation is not required, if samples are received wil 15 minuses of sampling 13. If no visible ice, record the temperature. Actual sample temperature: \$\frac{4}{2}C\$ 14. Are anapous VOC samples present? 14. Are aqueous VOC samples collected in the Correct containers? 15. Are VOC samples collected in the Correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples() correctly preserved? 23. Are samples collected in the correct containers? 24. Is lab filteration required and/or requested for dissolved metals? 25. Note that the COC specify which phase(s) is to be analyzed? 26. Note the COC or field labels indicate the samples were	Email:	devon-team@ensolum.com	Due Date:	11/20/23	17:00 (5 day TAT)			
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10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? Multiphase Sample Matrix 25. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are sample are quired to get sent to a subcontract laboratory? 28. Are sample are quired to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	•	<u> </u>						
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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 #009

Work Order: E311105

Job Number: 04108-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/17/23

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: 11/17/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311105

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

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Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 14:26

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
PH05 6'	E311105-01A S	Soil	11/09/23	11/13/23	Glass Jar, 4 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 2:26:58PM

PH05 6' E311105-01

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.9 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		98.9 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2346076
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		110 %	50-200	11/16/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2346090
Chloride	232	200	10	11/16/23	11/16/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 04108-0639
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 2:26:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

	T 7	olotilo Organ	ia Campa	unde by Fl	DA Q2601	D			
	V	olatile Organ	ic Compoi	unas by El	ra 82001	D			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 (2346022-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	ND	0.0250					1		,
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.544	0.0220	0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: T,2-Dichioroeinane-u4 Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
surrogate. Totuene-uo	0.409		0.500		77.0	70 130			
LCS (2346022-BS1)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
Matrix Spike (2346022-MS1)				Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135			
Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
Matrix Spike Dup (2346022-MSD1)				Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	2.65	0.0250	2.50	ND	106	48-131	7.51	23	-
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	8.21	27	
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	7.07	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	7.71	27	
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	7.32	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	7.45	27	
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
mirogane. 1,2-Diemoroemane-u4	0.70/		0.500		, 5.5	, 0 130			

0.500

0.489

97.8

70-130

Surrogate: Toluene-d8

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 04108-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 2:26:58PM

Nonhalogenated Organics by EPA 8015D - GRO	
--	--

Analyst: RKS

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 Analy	yzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS2)							Prepared: 1	1/14/23 Analy	yzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	·	105	70-130		·	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2346022-MS2)				Source:	E311088-0	02	Prepared: 1	1/14/23 Analy	yzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0	02	Prepared: 11	1/14/23 Analy	yzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 2:26:58PM

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno	1				11/1//2023 2:20:38PI
	Nonha	logenated Or	ganics by l	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 (2346076-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			
LCS (2346076-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2346076-MS1)				Source:	E311101-0)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike Dup (2346076-MSD1)				Source:	E311101-0)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.21	20	
Surrogate: n-Nonane	53.0		50.0		106	50-200			

Matrix Spike (2346090-MS1)

Matrix Spike Dup (2346090-MSD1)

Chloride

Chloride

1050

1030

Prepared: 11/16/23 Analyzed: 11/16/23

Prepared: 11/16/23 Analyzed: 11/16/23

20

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		ADX 16 #009 4108-0639					Reported:
Carlsbad NM, 88220		Project Manager	: 0	ilbert Moreno					11/17/2023 2:26:58PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				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 (2346090-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			

250

250

20.0

20.0

Source: E311129-05

Source: E311129-05

110

100

80-120

80-120

2.23

775

775

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 #009	
١	5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 14:26

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.



Released to	Project In	formatio	п
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ae	Project: F	IDX 16 #0	X
7	Project N		
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	1DX 16 #0					Attention: Jim Raley	•	Lab	WO	# _		Job I		ber		10	20	3D	St	andard	CWA	SD\	WA
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City, Stat	e, Zip_Od	lessa,TX,	79765			Phone: 575-885-7502		T			Т	\Box					[
Phone: 8	32-541-7	719				Email: jim.raley@dvn.com	•	7	3	1		1 1								[State		
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envirotech

Printed: 11/15/2023 11:44:54AM

Envirotech Analytical Laboratory

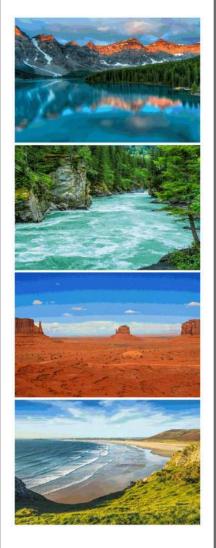
Sample Receipt Checklist (SRC)

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:	11/13/23 (09:00		Work Order ID:	E311105
Phone:	(539) 573-4018	Date Logged In:	11/13/23	13:50		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	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				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	'ourier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	currer. <u>c</u>	<u> </u>		
	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	•		,		Comment	s/Resolution
	<u>urn 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 ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>~</u>				
Sample C			3.7				
	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	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	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						
	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	act Laboratory	,					
	act Laboratory amples required to get sent to a subcontract laborato	en 19	No				
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	NI A		
		i so wilo:	INA	Subcontract Lac); 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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311106

Job Number: 04018-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/17/23

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: 11/17/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311106

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

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Sample Summary

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ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	04018-0639	Keporteu.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 14:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH06 6'	E311106-01A	Solid	11/09/23	11/13/23	Glass Jar, 4 oz.



Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 2:25:49PM

PH06 6' E311106-01

		E311100-01				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
				1	7 mary 20d	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.8 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.8 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2346076
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		110 %	50-200	11/16/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: BA		Batch: 2346090
Chloride	222	200	10	11/16/23	11/16/23	



RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: Project Number: 5315 Buena Vista Dr 04018-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 2:25:49PM **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 Blank (2346022-BLK1) Prepared: 11/14/23 Analyzed: 11/15/23 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.544 0.500 109 70-130 Surrogate: 1,2-Dichloroethane-d4 0.479 0.500 95.7 70-130 0.500 97.8 70-130 Surrogate: Toluene-d8 0.489 LCS (2346022-BS1) Prepared: 11/14/23 Analyzed: 11/15/23 2.67 0.0250 2.50 107 70-130 Benzene 2.47 2.50 98.9 70-130 Ethylbenzene 0.0250 Toluene 2.39 0.0250 2.50 95.8 70-130 2.50 100 70-130 o-Xylene 0.0250 2.50 97.8 4.89 5.00 70-130 p,m-Xylene 0.0500 7.40 0.0250 7.50 98.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.546 0.500 109 70-130 0.500 97.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.485 70-130 Surrogate: Toluene-d8 0.484 0.500 Matrix Spike (2346022-MS1) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23 48-131 2.45 0.0250 2.50 ND 98.2 ND 45-135 Ethylbenzene 2.30 0.0250 2.50 92.0 ND 48-130 Toluene 2.24 0.0250 2.50 89.8 2.39 0.0250 2.50 ND 95.5 43-135 o-Xylene 4.68 5.00 ND 93.6 43-135 p,m-Xylene 0.0500 Total Xylenes 7.07 0.0250 7.50 ND 94.2 43-135 Surrogate: Bromofluorobenzene 0.554 0.500 111 70-130 0.482 0.500 96.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 99.2 70-130 0.496 Surrogate: Toluene-d8

Source: E311088-02

106

99.9

96.4

103

101

102

110

93.3

97.8

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

7.51

8.21

7.07

7.71

7.32

7.45

ND

ND

ND

ND

ND

ND

envirotech Inc.

Prepared: 11/14/23 Analyzed: 11/15/23

23

27

24

27

27

27

Matrix Spike Dup (2346022-MSD1)

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.65

2.50

2.41

2.58

5.04

7.62

0.552

0.467

0.489

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

 WPX Energy - Carlsbad
 Project Name:
 RDX 16 #009
 Reported:

 5315 Buena Vista Dr
 Project Number:
 04018-0639

 Carlsbad NM, 88220
 Project Manager:
 Gilbert Moreno
 11/17/2023
 2:25:49PM

Nonhalogenated Organics by EPA 8015D - GRO								I	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 (2346022-BLK1)						I	Prepared: 1	1/14/23 Anal	yzed: 11/15/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130					
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130					

LCS (2346022-BS2)	Prepared: 11/14/23 Analyzed: 11/15/23				
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	105	70-130
Surrogate: Bromofluorobenzene	0.549		0.500	110	70-130
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500	96.4	70-130
Surrogate: Toluene-d8	0.495		0.500	98.9	70-130

Matrix Spike (2346022-MS2)	Source:	E311088-0	2	Prepared: 11/14/23 Analyzed: 11/15/23			
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130	
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130	

Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0)2	Prepared: 11	1/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130		
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130		

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04018-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 2:25:49PM

Carlsbad NM, 88220		Project Manage	r: Gı	lbert Moreno				I	1/17/2023 2:25:49PI
Nonhalogenated Organics by EPA 8015D - 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 (2346076-BLK1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
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 (2346076-BS1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
urrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2346076-MS1)				Source:	E311101-0)3	Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
urrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike Dup (2346076-MSD1)				Source:	E311101-()3	Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.21	20	
'urrogate: n-Nonane	53.0		50.0		106	50-200			

Matrix Spike Dup (2346090-MSD1)

Chloride

1030

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager	04	DX 16 #009 4018-0639 ilbert Moreno				1	Reported: 1/17/2023 2:25:49PM
		Anions	by EPA 3	300.0/9056 <i>E</i>	4				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 (2346090-BLK1)							Prepared: 1	1/16/23 An	nalyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-0	05	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			

250

20.0

Source: E311129-05

100

80-120

2.23

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: 11/16/23 Analyzed: 11/16/23

20

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 14:25

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: 8/6/2024/4:43:36/BMM



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semples 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: 11/15/2023 11:34:29AM

Envirotech Analytical Laboratory

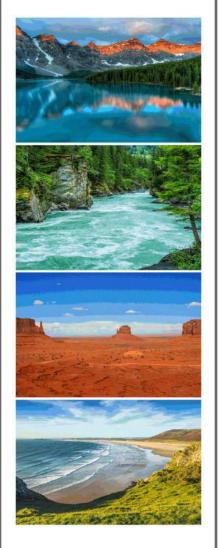
Sample Receipt Checklist (SRC)

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:	11/13/23	09:00		Work Order ID:	E311106
Phone:	(539) 573-4018	Date Logged In:	11/13/23	13:53		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	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				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	<u> </u>	<u> </u>		
5. Were a	Il samples received within holding time?	n the field	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi			,		Comment	s/Resolution
	<u>urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		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	re received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°	<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				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lat							
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	eate/Time Collected?		Yes	Į			
	ollectors name?		Yes				
	reservation		100				
	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	, does the COC specify which phase(s) is to be analy		NA				
		, 2001	1424				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	•	No		3.7.4		
29. was a	subcontract laboratory specified by the client and i	i so wno?	NA	Subcontract Lab	: NA		
Client Ir	<u>istruction</u>						

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311107

Job Number: 04018-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/20/23

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: 11/20/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311107

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_			•	
Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04018-0639	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/23 15:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH07 6'	E311107-01A	Soil	11/09/23	11/13/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 3:59:43PM

PH07 6' E311107-01

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2346022
Benzene	ND	0.0250	1	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8		97.9 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8		97.9 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2346075
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/16/23	11/17/23	
Surrogate: n-Nonane		92.5 %	50-200		11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	<u> </u>	Analyst:	BA		Batch: 2346090
Chloride	31.9	20.0	1	1	11/16/23	11/16/23	



LCS (2346022-BS1)

QC Summary Data

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 04018-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/20/2023 3:59:43PM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2346022-BLK1) Prepared: 11/14/23 Analyzed: 11/15/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 o-Xylene ND 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.544 0.500 109 70-130 Surrogate: 1,2-Dichloroethane-d4 0.479 0.500 95.7 70-130 0.489 0.500 97.8 70-130 Surrogate: Toluene-d8

Benzene	2.67	0.0250	2.50	107	70-130		
Ethylbenzene	2.47	0.0250	2.50	98.9	70-130		
Toluene	2.39	0.0250	2.50	95.8	70-130		
o-Xylene	2.50	0.0250	2.50	100	70-130		
p,m-Xylene	4.89	0.0500	5.00	97.8	70-130		
Total Xylenes	7.40	0.0250	7.50	98.6	70-130		
Surrogate: Bromofluorobenzene	0.546		0.500	109	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500	97.0	70-130		
Surrogate: Toluene-d8	0.484		0.500	96.8	70-130		

Matrix Spike (2346022-MS1)				Source:	E311088-	02	Prepared: 11/14/23 Analyzed: 11/15/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131	
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135	
Toluene	2.24	0.0250	2.50	ND	89.8	48-130	
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135	
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135	
Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135	
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130	
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130	

Matrix Spike Dup (2346022-MSD1)				Source:	E311088-	02	Prepared: 11	1/14/23 Analyzed: 11/15/23
Benzene	2.65	0.0250	2.50	ND	106	48-131	7.51	23
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	8.21	27
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	7.07	24
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	7.71	27
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	7.32	27
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	7.45	27
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130		
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130		

Prepared: 11/14/23 Analyzed: 11/15/23

Analyst: RKS

QC Summary Data

WPX Energy - Carlsbad RDX 16 #009 Project Name: Reported: 5315 Buena Vista Dr Project Number: 04018-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/20/2023 3:59:43PM

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

•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 Ar	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS2)							Prepared: 1	1/14/23 Ar	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2346022-MS2)				Source:	E311088-0)2	Prepared: 1	1/14/23 Ar	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0)2	Prepared: 1	1/14/23 Ar	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	112	70-130	2.39	20	
Gasonne Range Organics (Co-C10)	55.8	20.0							
	0.549	20.0	0.500		110	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4		20.0			110 94.8	70-130 70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04018-0639	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 3:59:43PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	•			•	11/20/2023 3:59:43PM
	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 (2346075-BLK1)							Prepared: 1	1/16/23 Aı	nalyzed: 11/17/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.8		50.0		89.7	50-200			
LCS (2346075-BS1)							Prepared: 1	1/16/23 Aı	nalyzed: 11/17/23
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			
Matrix Spike (2346075-MS1)				Source:	E311102-2	27	Prepared: 1	1/16/23 Aı	nalyzed: 11/17/23
Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132			
Surrogate: n-Nonane	45.0		50.0		90.1	50-200			
Matrix Spike Dup (2346075-MSD1)				Source:	E311102-2	27	Prepared: 1	1/16/23 Aı	nalyzed: 11/17/23
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	0.202	20	
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 1018-0639					Reported:
Carlsbad NM, 88220		Project Manager:		ilbert Moreno					11/20/2023 3:59:43PM
		Anions	by EPA 3	300.0/9056A	.				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 (2346090-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-()5	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-()5	Prepared: 1	1/16/23 A	nalvzed: 11/16/23

250

20.0

80-120

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 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/23 15:59

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 At 43:236 PMM

lient W	PX Energy	Permia	o. LLC		1	Bill To					La	ıb Us	ie Or						T				rogran
	DX 15 #0		Tig Caper		-	ttention: Jim Raley			Lab	WO	,		lob	Num	ber	3	10	20	3D		andard	CWA	SOW
	lanager: (oreno		A	ddress: 5315 Buena Vista Dr.			E.	<u> </u>	ユ		104	g_{X}	<u>-04</u>	<u>'01</u>		L		5 (TAT yes	<u> </u>	+
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	e, Zip_Od					hone: 575-885-7502				1					I							<u> </u>	<u></u>
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envirotech

Printed: 11/15/2023 11:35:27AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

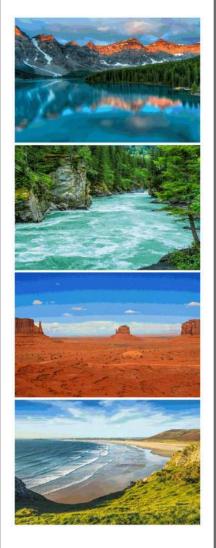
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09	9:00	Work Order ID:	E311107
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13	3:57	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 1	7:00 (4 day TAT)		
	Custody (COC)					
	ne sample ID match the COC?	. 1 4 . 606	Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	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
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler					
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			
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		- -	-			
	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	armation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	reservation_					
21. Does t	the COC or field labels indicate the samples were p	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 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	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	arv?	No			
	subcontract laboratory specified by the client and i	-		Subcontract Lab: NA		
		1 30 WHO:	1421	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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311108

Job Number: 01058-0007

Received: 11/13/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/22/23

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: 11/22/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311108

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Cell: 775-287-1762

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mgonzales@envirotech-inc.com

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Sample Summary

	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:50

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH11 0.5'	E311108-01A Soil	11/09/23	11/13/23	Glass Jar, 2 oz.
PH11 4'	E311108-02A Soil	11/09/23	11/13/23	Glass Jar, 2 oz.
PH11 6'	E311108-03A Soil	11/09/23	11/13/23	Glass Jar, 2 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:50:27AM

PH11 0.5' E311108-01

	E311106-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RKS	<u>-</u>	Batch: 2346023
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0500	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
	96.6 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2346023
ND	20.0	1	11/14/23	11/16/23	
	92.4 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Analy	/st: JL		Batch: 2346080
ND	25.0	1	11/16/23	11/17/23	
ND	50.0	1	11/16/23	11/17/23	
	89.2 %	50-200	11/16/23	11/17/23	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2346090
104	20.0	1	11/16/23	11/16/23	
	mg/kg ND 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 mg/kg mg/kg MD 20.0 92.4 % mg/kg ND 25.0 ND 50.0 89.2 % 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 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 89.2 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/14/23 ND 0.0250 1 11/14/23 ND 0.0250 1 11/14/23 ND 0.0500 1 11/14/23 ND 0.0250 1 11/14/23 MD 0.0250 1 11/14/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/14/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/16/23 ND 50.0 1 11/16/23 ND 50.0 1 11/16/23 Mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0500 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 MD 0.0250 1 11/14/23 11/16/23 Mg/kg mg/kg Analyst: RKS ND 20.0 1 11/14/23 11/16/23 Mg/kg mg/kg Analyst: JL ND 25.0 1 11/16/23 11/17/23 ND 50.0 1 11/16/23 11/17/23 ND 50.0 1 11/16/23 11/17/23 89.2 % 50-200 11/16/23 <

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:50:27AM

PH11 4'

E311108-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: JL		Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		92.5 %	50-200	11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2346090
imons by Elite Colors Court						



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:50:27AM

PH11 6'

E311108-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		83.3 %	50-200	11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2346090
	ND	200	10	11/16/23	11/16/23	



5315 Buena Vista Dr Project Number: 01058-0007	Reported:
Carlsbad NM, 88220 Project Manager: Gilbert Moreno	11/22/2023 10:50:27AM

Carlsbad NM, 88220		Project Manager:	G:	ilbert Moreno				11/	22/2023 10:50:27A1
Carisbad INIVI, 66220		Froject Wallager.	- OI	ilbert Morello				117.	22/2023 10.30.27A
		Volatile O	rganics b	y EPA 8021	В				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 (2346023-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
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	7.78		8.00		97.3	70-130			
LCS (2346023-BS1)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			
Matrix Spike (2346023-MS1)				Source: F	E311089-0	03	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133			
Toluene	5.05	0.0250	5.00	ND	101	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			
Matrix Spike Dup (2346023-MSD1)				Source: F	E311089-0	03	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Benzene	5.21	0.0250	5.00	ND	104	54-133	2.96	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	3.04	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	2.96	20	
o-Xylene	5.17	0.0250	5.00	ND	103	63-131	3.37	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	3.06	20	
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131	3.16	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:50:27AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				11/	22/2023 10:50:27AN
	Non	halogenated	Organics l	by EPA 80	15D - GI	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 (2346023-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			
LCS (2346023-BS2)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
Matrix Spike (2346023-MS2)				Source:	E311089-0)3	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			
Matrix Spike Dup (2346023-MSD2)				Source:	E311089-0)3	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	-
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:50:27AM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno				1	1/22/2023 10:50:2/A
	Nonha	logenated Or	ganics by l	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 (2346080-BLK1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.7		50.0		95.5	50-200			
LCS (2346080-BS1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132			
urrogate: n-Nonane	46.3		50.0		92.6	50-200			
Matrix Spike (2346080-MS1)				Source:	E311108-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	45.7		50.0		91.5	50-200			
Matrix Spike Dup (2346080-MSD1)				Source:	E311108-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
hurrogate: n-Nonane	46.4		50.0		92.7	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					11/22/2023 10:50:27AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346090-BLK1)							Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-0	5	Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-0	5	Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	1030	20.0	250	775	100	80-120	2.23	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 #009	
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:50

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 Information

Chain	of	Custody

	•	-4	4	
Page	1	٥f	1	

Client: W	nt: WPX Energy Permian, LLC.					Bill To			lab U:				lse Only				TAT				EPA P	rogram
	ect: ROX 16 #009 ect Manager: Gilbert Moreno ress: 13000 W County Rd 100				A	Rention: Jim Raley		Lab	WO	*		Job	Nurr	ber		1D 20 3D Star			andard	ČWA	SDWA	
Project A	lanager: (silbert M	oreno		─	ddress 5315 Buena Vista Dr.		F.	3W	60%		04	CUS	t-0	أوكو				5 d	ay TAT		
Address:	13000 W	County F	id 100			ity, State, Zip: Carlsbad, NM, 8822	20							nd Me	_]						RCRA
City, Stat	e, Zip_Od	essa,TX,	79765			hone: 575-885-7502		\vdash	Ι.	•												
	32-541-7					mail: lim.raley@dvn.com		•	졁	1] .									State	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample 10	l		Lab Number	Depth(ft.)	TPH GRO/DRO/ORD by 8015	BTEX by BOZ3	VOC by 5260	Metata 6010	Chlaride 330 0		ĺ	20000		2005			Remarks	 i
10:50	11 09 23	S	1			PH11		0.5'								x						
11:00	11.09.23	s	1			PH11	2	4'								×					•	
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Sample Ma	trix: S · Soil. 5	d · Solid, Se	· Sludge, A -	Aqueous, O ·	Dther		Container	Type	B: # - 1	place	047					Ge 01:		. uc				
						other arrangements are made. Hazardou	z samples wil	ber	- turne	d to c	llent	or disc	OCEA!	nf at 44	orrito method	er Ris	233, V	- 40	**	t fau tha	abul- at -1	
samples is	applicable	only to the	se samples	received by	the laborator	y with this COC. The liability of the laboral	ory is limited	to the	e amp	unt Di	id for	on th	e repo	J. 11 W i .	4116	· ~ est	-m 007	. ind	· ahor	riot fiet 91	MANA OF EN	# 900VE



envirotech

Printed: 11/15/2023 11:35:55AM

Envirotech Analytical Laboratory

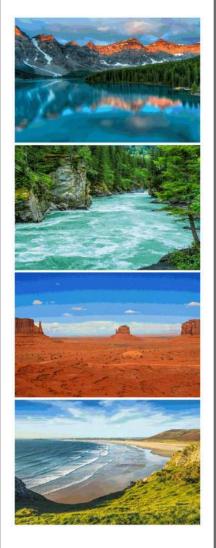
Sample Receipt Checklist (SRC)

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:	11/13/23	09:00	Work Order ID:	E311108
Phone:	(539) 573-4018	Date Logged In:	11/13/23	14:00	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	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 ma	tch the COC	Yes			
	samples dropped off by client or carrier?	ion and coc	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	sica anaryses:	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.		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 tl	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			
Sample	<u>Container</u>					
	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	<u>nstruction</u>					
<u>Chent i</u>	nstruction .					
						100

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311109

Job Number: 01058-0007

Received: 11/13/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/22/23

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: 11/22/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311109

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reported.
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH12 0.5'	E311109-01A	Soil	11/09/23	11/13/23	Glass Jar, 2 oz.



WPX Ene	ergy - Carlsbad	Project Name:	RDX 16 #009	
5315 Bue	na Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad	NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:53:54AM

PH12 0.5' E311109-01

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		108 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.9 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		108 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.9 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2346079
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		111 %	50-200	11/16/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2346090
Chloride	14400	400	20	11/16/23	11/16/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:53:54AM

Carisbad Nivi, 88220		Project Manage	r. Gi	ibert Moreno				11/2	2/2023 10.33.34A
		I	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 (2346022-BLK1)							Prepared: 1	1/14/23 Anal	yzed: 11/15/23
Benzene	ND	0.0250					Trepureur T	., 1 1, 20 111141)2001 11/10/20
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
·		0.0230	0.500		100	70 120			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS1)							Prepared: 1	1/14/23 Anal	yzed: 11/15/23
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
Matrix Spike (2346022-MS1)				Source:	E311088-	02	Prepared: 1	1/14/23 Anal	yzed: 11/15/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131	1		,
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
o-Xylene	2.39	0.0250	2.50	ND ND	95.5	43-135			
o-Aylene p,m-Xylene	4.68	0.0250	5.00	ND ND	93.5	43-135			
p,m-Aylene Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135			
· · · · · · · · · · · · · · · · · · ·		0.0230	0.500	ND	111	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.554 0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			
Matrix Spike Dup (2346022-MSD1)				Source:	E311088-	02	Prepared: 1	1/14/23 Anal	yzed: 11/15/23
	2.65	0.0250	2.50	ND	106	48-131	7.51	23	,
Benzene	2.50		2.50	ND ND	99.9	45-131	8.21	23 27	
Ethylbenzene	2.41	0.0250	2.50	ND ND	99.9 96.4	48-130	7.07	24	
Toluene	2.58	0.0250		ND ND	103	48-130	7.07	27	
o-Xylene	2.58 5.04	0.0250	2.50 5.00	ND ND	103		7.71	27	
p,m-Xylene	5.04 7.62	0.0500	7.50	ND ND	101	43-135 43-135	7.32 7.45	27	
Total Xylenes		0.0250		ND			1.43	41	
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			



0.500

97.8

70-130

0.489

Surrogate: Toluene-d8

WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:53:54AM

Nonhalogenated	Organics	by EPA	8015D - GRO
Tommanoschatea	O' Sames	Dy LIII	OUISD GIVE

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

	resure				100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 Ana	alyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS2)							Prepared: 1	1/14/23 Ana	alyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	·	105	70-130	·		·
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2346022-MS2)				Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	alyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	alyzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:53:54AM

Carisbad NM, 88220		Project Manager	r: G1.	ibert Moreno					11/22/2023 10:53:54A
	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 (2346079-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2346079-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	300	25.0	250		120	38-132			
urrogate: n-Nonane	59.0		50.0		118	50-200			
Matrix Spike (2346079-MS1)				Source:	E311128-0)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132			
urrogate: n-Nonane	59.9		50.0		120	50-200			
Matrix Spike Dup (2346079-MSD1)				Source:	E311128-0)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	38-132	2.50	20	
urrogate: n-Nonane	56.8		50.0		114	50-200			

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		RDX 16 #009 01058-0007 Gilbert Moreno		Reported: 11/22/2023 10:53:54AM				
		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	

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346090-BLK1)							Prepared: 11	/16/23 A	Analyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 11	/16/23 A	Analyzed: 11/16/23
Chloride	253	20.0	250		101	90-110	•		
Matrix Spike (2346090-MS1)				Source:	E311129-05	5	Prepared: 11	/16/23 A	Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-05	5	Prepared: 11	/16/23 A	Analyzed: 11/16/23
Chloride	1030	20.0	250	775	100	80-120	2.23	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 #009	
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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Client: WPX Energy Permian, LLC.					_ }-	Bill To			1400		400	Ise Only Job Number				D			TAT 3D Standard		CWA	SDWA
Project; RDX 16 #009						Attention: Jim Raley			Lab WO# E 311109				04018-01059			-	-			TA1 yeb		
Project Manager: Gilbert Moreno						,			עעכ	·U-1		Analysis and Metho								T	<u> </u>	RCRA
Address: 13000 W County Rd 100						City, State, Zip. Carishad, NM, 88220				1	1	1	1					Г	Γ	1		
City, State, Zip_Odessa,TX, 79765						Phone: 575-885-7502			2		1	-	1	! !				l	[State	
Phone: 832-541-7719						mail: /im.raley@dvn.com		┨	\$	1	1		1	! !	ı		Į .	l	1	NM CO	UT AZ	TX
Email: Devon-team@etechenv.com				T)		WO: 21191055		1	ĺ				ł		- 1			l				1 1
				Incident ID: nAPP2322658221,			Ş	١					- 1	Z	i	١.,			11			
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Time Sampled	Date Sampled	Matrix	No el	Sample II	<u></u>		lab Number	Orpeth(R.)	PH GRQ/DRS/ORO ty B015	STEX by 8021	VOC by 8260	Mera's 6010	Cyloride 300 0			BGDOC		ğ			Remarks	
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Acortio	nal Instru	CIIÇNS:				<u> </u>																
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date or time of collection is considered limit and may be grounds for Relanquished by: [Segrature] Date Time			Turner	Simulate	11/18/		23 9° 10			tab Use Only Received on ice: (Y / N												
Relinquished by (Signature) Date			Time	e Received by: (Signature)		- 	Tlene			The Carried Circles				•	, ,	•						
		ļ	Received by: [Signature] Data			<u> </u>			11]	7				T3					
Relinquished by: (Signature) Date Time					E uma		Time			AVG Temp °C_4												
Sample Matrix: \$ - Soil, 56 - Solid, 5g - Studge, A - Aqueous, ID - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Sa	noise are di	stanted 30	days after	results are c	eported unle	ss other arrangements are made. Hazar														or har the -	nahois of t	ha shows
samples	Canolicable	only to the	ose samo	as received b	the laborat	ory with this COC. The liability of the lab	oratory is limited	d to th	e am	ount o	uld fo	r an ti	he rec	ort.			·	. ,.,			,yws 44 V	~ ==viv



envirotech

Printed: 11/15/2023 11:36:42AM

Envirotech Analytical Laboratory

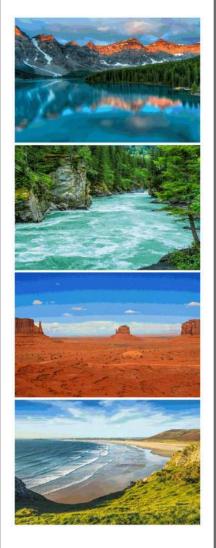
Sample Receipt Checklist (SRC)

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:	11/13/23 (9:00		Work Order ID:	E311109
Phone:	(539) 573-4018	Date Logged In:	11/13/23	14:05		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	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				
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 disucssi	•		,		Comment	s/Resolution
	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 ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u> </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				
	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	l			
	ollectors name?		Yes				
Sample P	reservation		100				
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
	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				
		, 2001	1171				
	act Laboratory		3.7				
	amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311110

Job Number: 04018-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/17/23

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: 11/17/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311110

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_			-	
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
ı	5315 Buena Vista Dr	Project Number:	04018-0639	Reported.
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH12 4'	E311110-01A	Soil	11/09/23	11/13/23	Glass Jar, 4 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 3:02:57PM

PH12 4' E311110-01

		ECTITIO 01				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilui	ion riepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.5 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS	Batch: 2346022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/23	11/16/23	
Surrogate: Toluene-d8		97.5 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL		Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		85.1 %	50-200	11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346090
Chloride	14700	400	20	11/16/23	11/17/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:

5315 Buena Vista Dr Project Number: 04018-0639

Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 3:02:57PM

Volatile Organic Compounds by EPA 8260B

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno	1			11/1	7/2023 3:02:5/PI		
	Volatile Organic Compounds by EPA 8260B								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 (2346022-BLK1)							Prepared: 11	1/14/23 Analy	zed: 11/15/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Foluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130					
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130					
LCS (2346022-BS1)							Prepared: 11	1/14/23 Analy	zed: 11/15/23		
Benzene	2.67	0.0250	2.50		107	70-130					
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130					
Foluene	2.39	0.0250	2.50		95.8	70-130					
-Xylene	2.50	0.0250	2.50		100	70-130					
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130					
Total Xylenes	7.40	0.0250	7.50		98.6	70-130					
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130					
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130					
Matrix Spike (2346022-MS1)				Source:	E311088-	02	Prepared: 1	1/14/23 Analy	zed: 11/15/23		
Benzene	2.45	0.0250	2.50	ND	98.2	48-131					
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135					
Foluene	2.24	0.0250	2.50	ND	89.8	48-130					
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135					
o,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135					
Fotal Xylenes	7.07	0.0250	7.50	ND	94.2	43-135					
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130					
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130					
Matrix Spike Dup (2346022-MSD1)				Source:	E311088-	02	Prepared: 11	1/14/23 Analy	zed: 11/15/23		
Benzene	2.65	0.0250	2.50	ND	106	48-131	7.51	23			
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	8.21	27			
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	7.07	24			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	7.71	27			
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	7.32	27			
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	7.45	27			
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130					
=											

0.500

97.8

70-130

0.489

Surrogate: Toluene-d8

RDX 16 #009 WPX Energy - Carlsbad Project Name: Reported: 5315 Buena Vista Dr Project Number: 04018-0639 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 3:02:57PM

Nonhalogenate	ed Organic	s by EPA	8015D -	- GRO

Analyst: RKS

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS2)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2346022-MS2)				Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2346022-MSD2)			Source:	E311088-0	02	Prepared: 1	1/14/23 Ana	lyzed: 11/15/23	
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04018-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 3:02:57PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1			1	1/17/2023 3:02:57P1
	Nonha	logenated Or	ganics by	EPA 8015I	D - 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 (2346080-BLK1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			
LCS (2346080-BS1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132			
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			
Matrix Spike (2346080-MS1)				Source:	E311108-0)3	Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	45.7		50.0		91.5	50-200			
Matrix Spike Dup (2346080-MSD1)				Source:	E311108-0)3	Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			

QC Summary Data

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		4018-0639 filbert Moreno					11/17/2023 3:02:57PM
		Anions	by EPA	300.0/9056 <i>A</i>	\				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346090-BLK1)							Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-(5	Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-(5	Prepared:	11/16/23	Analyzed: 11/16/23
Chloride	1030	20.0	250	775	100	80-120	2.23	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 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:02

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page __1__ of __1__

Received by OCD: 8/6/2024 A: 43:236 PMM

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City, Stat	e, Zip_Oc	essa.TX.	79765		─ ┤ ╏	Phone: 575-885-7502	220			_		Anary	USIS BI	nd Me	thoc	<u>'</u>						RCRA
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						ess other arrangements are made. Hezaro	lous samples wi	II be r	eturn	ed to	Client	or elia	00544	of pt M	e cli	ent e	Dog.	The	* ***	e for the -	الم ماسطور	
samples is	applicable	ONLY TO THE	ose samul	es received by	the labora	tory with this COC. The liability of the labo	ratory is limited	10 th	ve amve	ount c	ald fo	r on ti	10 0	ort.			- Partition in	F199	* i #PO	ine fine gi	HILAR? GI R.	er and 46
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envirotech

Printed: 11/15/2023 11:37:05AM

Envirotech Analytical Laboratory

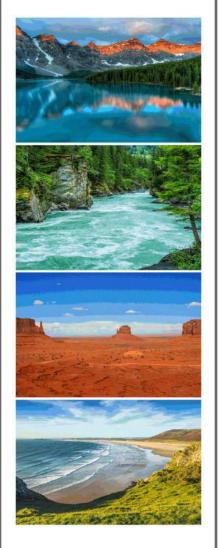
Sample Receipt Checklist (SRC)

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:	11/13/23	09:00	Work Order ID:	E311110
Phone:	(539) 573-4018	Date Logged In:	11/13/23	14:07	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	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: 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 i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<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			
	custody/security seals present?		No			
	, were custody/security seals intact?					
•	•	: - 60120C	NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	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	,9				
	appropriate volume/weight or number of sample containers		Yes Yes			
	· · ·	ners conected?	108			
Field Lal		amatian				
	field sample labels filled out with the minimum infample ID?	omation.	Yes			
	Pate/Time Collected?		Yes			
	ollectors name?		Yes			
Sample F	Preservation					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved r	netals?	No			
Multinhs	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		, 200.	INA			
	act Laboratory	9	3.7			
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and it	•	No NA	Subcontract Lab: NA		
Client II	<u>nstruction</u>					

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311111

Job Number: 04018-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/17/23

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: 11/17/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #009

Workorder: E311111

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 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

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Sample Summary

_				
ſ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
١	5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH12 6'	E311111-01A	Soil	11/09/23	11/13/23	Glass Jar, 4 oz.



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 3:00:38PM

PH12 6' E311111-01

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	RKS		Batch: 2346022
Benzene	ND	0.0250	1		11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1		11/14/23	11/16/23	
Toluene	ND	0.0250	1		11/14/23	11/16/23	
o-Xylene	ND	0.0250	1		11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1		11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1		11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8		98.4 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst:	RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1		11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		111 %	70-130		11/14/23	11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		11/14/23	11/16/23	
Surrogate: Toluene-d8		98.4 %	70-130		11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst:	Л		Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1		11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1		11/16/23	11/17/23	
Surrogate: n-Nonane		93.7 %	50-200		11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	BA		Batch: 2346090
-	960	200	10	`	11/16/23	11/17/23	



WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:

5315 Buena Vista Dr Project Number: 04018-0639
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 3:00:38PM

Volatile Organic Compounds by EPA 8260B Analyst: RKS

	V	olatile Organi	ic Compoi	mus by Er	A 02001	5			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 (2346022-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
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: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS1)							Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
Matrix Spike (2346022-MS1)				Source:	E311088-0)2	Prepared: 1	1/14/23 Ana	lyzed: 11/15/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Emyloenzene	2.30	0.0230	2.50	ND					
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
The state of the s					89.8 95.5	48-130 43-135			
Toluene o-Xylene	2.24	0.0250	2.50	ND					
Toluene	2.24 2.39	0.0250 0.0250	2.50 2.50	ND ND	95.5	43-135			
Toluene o-Xylene p,m-Xylene	2.24 2.39 4.68	0.0250 0.0250 0.0500	2.50 2.50 5.00	ND ND ND	95.5 93.6	43-135 43-135			
Toluene o-Xylene p,m-Xylene Total Xylenes	2.24 2.39 4.68 7.07	0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50	ND ND ND	95.5 93.6 94.2	43-135 43-135 43-135			
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene	2.24 2.39 4.68 7.07	0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500	ND ND ND	95.5 93.6 94.2	43-135 43-135 43-135 70-130			
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	2.24 2.39 4.68 7.07 0.554 0.482	0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500 0.500	ND ND ND ND	95.5 93.6 94.2 111 96.4	43-135 43-135 43-135 70-130 70-130	Prepared: 1	1/14/23 Ana	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	2.24 2.39 4.68 7.07 0.554 0.482	0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500 0.500	ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2	43-135 43-135 43-135 70-130 70-130	Prepared: 1 7.51	1/14/23 Ana 23	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1)	2.24 2.39 4.68 7.07 0.554 0.482 0.496	0.0250 0.0250 0.0500 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2 E311088-0	43-135 43-135 43-135 70-130 70-130	•		ılyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene	2.24 2.39 4.68 7.07 0.554 0.482 0.496	0.0250 0.0250 0.0500 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND ND Source:	95.5 93.6 94.2 <i>III</i> 96.4 99.2 E311088-0	43-135 43-135 43-135 70-130 70-130 70-130 48-131	7.51	23	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene Ethylbenzene Toluene	2.24 2.39 4.68 7.07 0.554 0.482 0.496	0.0250 0.0250 0.0500 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND ND ND ND	95.5 93.6 94.2 <i>III</i> 96.4 99.2 E311088-0	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135	7.51 8.21	23 27	alyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene Ethylbenzene Toluene o-Xylene	2.24 2.39 4.68 7.07 0.554 0.482 0.496	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50	ND ND ND ND ND ND ND ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2 E311088-0 106 99.9 96.4	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135 48-130	7.51 8.21 7.07	23 27 24	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene Ethylbenzene	2.24 2.39 4.68 7.07 0.554 0.482 0.496 2.65 2.50 2.41 2.58	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND ND ND ND ND ND ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2 E311088-0 106 99.9 96.4 103	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135 48-130 43-135	7.51 8.21 7.07 7.71	23 27 24 27	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	2.24 2.39 4.68 7.07 0.554 0.482 0.496 2.65 2.50 2.41 2.58 5.04	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND ND Source: ND ND ND ND ND ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2 E311088-0 106 99.9 96.4 103 101	43-135 43-135 70-130 70-130 70-130 12 48-131 45-135 48-130 43-135 43-135	7.51 8.21 7.07 7.71 7.32	23 27 24 27 27	llyzed: 11/15/23
Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2346022-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.24 2.39 4.68 7.07 0.554 0.482 0.496 2.65 2.50 2.41 2.58 5.04 7.62	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND ND Source: ND ND ND ND ND ND ND ND ND	95.5 93.6 94.2 111 96.4 99.2 E311088-0 106 99.9 96.4 103 101 102	43-135 43-135 70-130 70-130 70-130 12 48-131 45-135 48-130 43-135 43-135	7.51 8.21 7.07 7.71 7.32	23 27 24 27 27	alyzed: 11/15/23

WPX Energy - Carlsbad Project Name: RDX 16 #009 Reported:
5315 Buena Vista Dr Project Number: 04018-0639
Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/17/2023 3:00:38PM

	Non	halogenated (Organics l	by EPA 801	15D - Gl	RO			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

Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS (2346022-BS2)							Prepared: 1	1/14/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2346022-MS2)				Source:	E311088-0)2	Prepared: 1	1/14/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0)2	Prepared: 11	1/14/23 A	nalyzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			



WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04018-0639	•
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/2023 3:00:38PM

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno				1	11/17/2023 3:00:38PM
	Nonhal	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 (2346080-BLK1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			
LCS (2346080-BS1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132			
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			
Matrix Spike (2346080-MS1)				Source:	E311108-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	45.7		50.0		91.5	50-200			
Matrix Spike Dup (2346080-MSD1)				Source:	E311108-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			



Chloride

QC Summary Data

WPX Energy - Carlsbad		Project Name:	RI	OX 16 #009					Reported:
5315 Buena Vista Dr		Project Number	: 04	018-0639					
Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					11/17/2023 3:00:38PM
		Anions	by EPA 3	00.0/9056	4				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 (2346090-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 A	analyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-()5	Prepared: 1	1/16/23 A	analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				Source:	E311129-0)5	Prepared: 1	1/16/23 A	nalyzed: 11/16/23

250

20.0

775

100

80-120

2.23

1030

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 #009	
١	5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
١	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information
Client: WPX Energy

Received by OCD: 8/6/2024/4:43:36:DMM

ei	IDV F	On the second	- 116			Bill To		Т		ī	ab U	se Or	nly			L			AT			rogram
	/PX Energ		in, ilic.			Attention: Jim Raley		tab	WO			liob	Nun	ber		1D	2D	3D		andard	CWA	SDWA
	RDX 16 #0 Nanager:		Áoreno	····		Address: 5315 Buena Vista Dr.		1F.	3 W	ĬÙ.		104	810	-O.	නි				5	day TAT		
	13000 W				-	City, State, Zip: Carlsbad, NM, 88	3220	1-				Analy	rsis a	nd Mi	ethor	đ						RCRA
	e, Zip_O					Phone: 575-885-7502		т	1	T	Τ	T	Γ								·	
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Addition	al Instruc	tions:																				
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Sample May	ts. 5 · Soil, \$4	- Sobd, 5g -	Studge, A · A	iquadra, O	Other		Container	Type	8 - (lass,	P - P	oly/p	lastic	. og -	amb	er gl	835, V	· • VQ	A			
samples is a	ers one cosc poducable o	artieti 30 (). Ny to thou	ays after re e samples r	suass are re received by	porsed unit the labora	ess other arrangements are made. Hazards tors with this COC. The liability of the labor	ous samples will atom is limited:	ne të In the	AITION AITION	mt ca	veni a Idilar	e dispi	osed o	of at th	a clie	ni ex	pensa	. The	repo	rt for the an	Liysis of th	e above



envirotech

envirotech Inc.

Printed: 11/15/2023 11:38:00AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

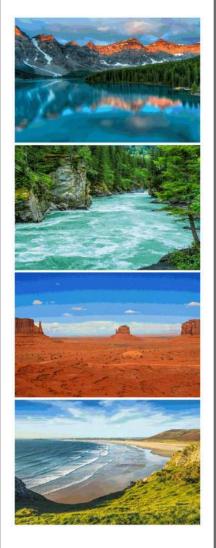
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23	09:00		Work Order ID:	E311111
Phone:	(539) 573-4018	Date Logged In:	11/13/23	14:10		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in	•	Yes			Comment	s/Resolution
Samnle	i.e, 15 minute hold time, are not included in this disucssic Turn Around Time (TAT)	on.		Г		Comment	5/1C50TUTION
	the COC indicate standard TAT, or Expedited TAT?		Yes				
	•		103				
Sample 7 Was a	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?						
	* **		Yes				
	e custody/security seals present?		No				
-	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	e received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	<u>Container</u>						
	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	ers collected?	Yes				
Field La							
	e field sample labels filled out with the minimum info Sample ID?	rmation:	Vos				
	Date/Time Collected?		Yes	L			
	Collectors name?		Yes Yes				
	Preservation		103				
	s the COC or field labels indicate the samples were pr	eserved?	No				
22. Are	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved m	etals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	se?	No				
	s, does the COC specify which phase(s) is to be analy		NA				
			1411				
	ract Laboratory	9	NI.				
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab:	. 3.7.4		
		so wild:	INA	Subcontract Lab:	: NA		
Client l	<u>Instruction</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: E311101

Job Number: 01058-0007

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/20/23

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: 11/20/23

Gilbert Moreno 5315 Buena Vista Dr Carlsbad, NM 88220

Project Name: RDX 16 #008

Workorder: E311101

Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, 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

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een: //3 20/ 1/02

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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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	11/20/23 13:43

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH13 0.5'	E311101-01A Soil	11/09/23	11/13/23	Glass Jar, 4 oz.
PH13 1'	E311101-02A Soil	11/09/23	11/13/23	Glass Jar, 4 oz.
PH14 0.5'	E311101-03A Soil	11/09/23	11/13/23	Glass Jar, 4 oz.
PH14 1'	F311101-04A Soil	11/09/23	11/13/23	Glass Jar. 4 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	11/20/2023 1:43:42PM

PH13 0.5' E311101-01

	LOTITOT OF				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2346023
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
ND	0.0500	1	11/14/23	11/16/23	
ND	0.0250	1	11/14/23	11/16/23	
	96.7 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2346023
ND	20.0	1	11/14/23	11/16/23	
	92.3 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2346076
ND	25.0	1	11/16/23	11/16/23	
ND	50.0	1	11/16/23	11/16/23	
	105 %	50-200	11/16/23	11/16/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2346094
94.7	20.0	1	11/16/23	11/18/23	
	mg/kg ND 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 20.0 92.3 % mg/kg ND 25.0 ND 50.0 105 % mg/kg mg/kg mg/kg	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 96.7 % 70-130 mg/kg mg/kg Analy ND 20.0 1 92.3 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 105 % 50-200 mg/kg Mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/14/23 ND 0.0250 1 11/14/23 ND 0.0250 1 11/14/23 ND 0.0500 1 11/14/23 ND 0.0250 1 11/14/23 ND 0.0250 1 11/14/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/14/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/16/23 ND 50.0 1 11/16/23 ND 50.0 1 11/16/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0500 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 ND 0.0250 1 11/14/23 11/16/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/14/23 11/16/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/16/23 11/16/23 ND 50.0 1 11/16/23 11/16/23 ND 50.0 1 11/16/23 11/16/23 ND 50.0 1 11/16/23 11/16/23 <



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

PH13 1'

E311101-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2346076
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		102 %	50-200	11/16/23	11/16/23	
A . 1 EDA 200 0/005CA	mg/kg	mg/kg	Analyst: BA		Batch: 2346094	
Anions by EPA 300.0/9056A	0 0	υ υ				



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

PH14 0.5' E311101-03

		E311101-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	Trepared	Allaryzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2346076
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		104 %	50-200	11/16/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2346094
Chloride	107	20.0	1	11/16/23	11/18/23	



WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

PH14 1'

E311101-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2346076
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/16/23	
Surrogate: n-Nonane		105 %	50-200	11/16/23	11/16/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2346094



o-Xylene p,m-Xylene

Total Xylenes

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2346023-MSD1)

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 11/20/2023 1:43:42PM **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 (2346023-BLK1) Prepared: 11/14/23 Analyzed: 11/16/23 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 7.78 8.00 97.3 70-130 LCS (2346023-BS1) Prepared: 11/14/23 Analyzed: 11/16/23 5.12 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.08 0.0250 5.00 102 70-130 5.11 0.0250 5.00 102 70-130 Toluene 102 o-Xylene 5.10 0.0250 5.00 70-130 10.4 10.0 104 70-130 0.0500 p.m-Xvlene 103 70-130 15.4 15.0 Total Xylenes 0.0250 8.00 97.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.82 Matrix Spike (2346023-MS1) Source: E311089-03 Prepared: 11/14/23 Analyzed: 11/16/23 5.06 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 5.00 0.0250 5.00 100 Toluene 5.05 0.0250 5.00 ND 101 61-130

5.00

10.0

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

ND

ND

ND

ND

ND

ND

ND

ND

ND

100

102

103

104

103

105

104

97.0

Source: E311089-03

63-131

63-131

63-131

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

2.96

3.04

2.96

3.37

3.06

3.16

5.00

10.2

15.2

7.79

5.21

5.15

5.20

5.17

10.5

15.7

7.76



Prepared: 11/14/23 Analyzed: 11/16/23

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WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	·
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				11	/20/2023 1:43:42PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	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 (2346023-BLK1)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			
LCS (2346023-BS2)							Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
Matrix Spike (2346023-MS2)				Source:	E311089-0	03	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			
Matrix Spike Dup (2346023-MSD2)				Source:	E311089-0	03	Prepared: 1	1/14/23 Ana	lyzed: 11/16/23
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	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	11/20/2023 1:43:42PM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno				1	11/20/2023 1:43:42PI
	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 (2346076-BLK1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
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 (2346076-BS1)							Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
urrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike (2346076-MS1)				Source:	E311101-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
urrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike Dup (2346076-MSD1)				Source:	E311101-0)3	Prepared: 1	1/16/23 Ar	nalyzed: 11/16/23
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.21	20	
urrogate: n-Nonane	53.0		50.0		106	50-200			

Chloride

QC Summary Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 01	DX 16 #008 .058-0007 ilbert Moreno					Reported: 11/20/2023 1:43:42PM
<u> </u>		Anions	by EPA 3	600.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit	Notes
Blank (2346094-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/18/23
Chloride	ND	20.0							
LCS (2346094-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/18/23
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2346094-MS1)				Source:	E311101-0)3	Prepared: 1	1/16/23 A	nalyzed: 11/18/23
Chloride	359	20.0	250	107	101	80-120			
Matrix Spike Dup (2346094-MSD1)				Source:	E311101-)3	Prepared: 1	1/16/23 A	nalvzed: 11/18/23

250

20.0

80-120

96.9

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	11/20/23 13:43

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

												04	410	7K -	S	১৪৫	ભ						
Client: W	PX Energy	y Permia	n, LLC.	·		Bill To		Τ-			ab U	se On						T/	··		EPA	Progr	
Project: R	RDX 16 #0	09				ttention: Jim Raley		Lab	WO	H		Job I	Num	ber		<u> </u>	2D	3D		andard	ÇWA	SI	DWA
Project M	Manager: G	ailbert M	oreno			ddress: 5315 Buena Vista Dr.		lE.	3MC	<u> </u>				- 000		\Box			5 0	day TAT		1	
	13000 W					ity, State, Zip: Carlsbad, NM, 88	3220			_		Analy	sis ar	nd Meti	10¢	_					<u> </u>	<u> </u>	ICRA
City, Stat	te, Zip_Od	essa,TX,	79765		P	hone: 575-885-7502			Γ,]							- 1				Щ	
	32-541-77				<u>E</u>	mail: jim.raley@dvn.com		<u>]</u>	208						1		1	1		25150	State		
Email: Dr	evon-tean	n@etech	env.com		\\	VO: 21191055		┨	<u>(4</u>								1	- 1		NM CO	UT A	444	┧
					le le	ncident ID: nAPP2322658271,			Ę		'	1 1	_		1.	_	1	- 1	1]	1	1	
Collected	d by: Edyt	e Konan			n/	APP2317840368		ا ۽	PH GRO/DRD/ORO by 8015	1208 4	8260	9109	Chtorida 300 0			Ž		ř					
Time Sampled	Date Sampled	Matria	ko of Carsamens	Sample 10	,		Lab Number	Desptif (R.)	TP# CR	BTEX by 802	VOC by 8260	0109 1/409/4	Chtorid			200	\bot	ğ			Remar	œ	
11:50	11.09.23	s	1			PH13		0.51							<u>_</u> ;	×							
12:00	11 09.23	s	1			PH13	7	1'							;	×							
12:10	11.09.23	s	1]		PH14	3	0.5							7;	×							
12:20	11.09.23	s	1	1		PH14	14	r							7	×							
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Addition	al Instruc	tions:	<u> </u>						<u></u>	لببا									1				-
					ample, i am aw ds for legal acts	vare that tempering with or intentionally mis ion. Sampled by: GM	dabeling the same	ale loca	ation,											pa ke the day to G °C on subs			,
	ed by: (Sugna		Date		Time	Received by (Signature)	Outo 1317	 23	Time Q	:00	<u> </u>	Sace	i	on ice		(A)	Use	· Onl	İγ				
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emple Mate	ar 5 - Sort, Sc	Solid Se	Sudge, A - /	Aqueous, O - O	Mher	other arrangements are made. Hazard	No selement	13 pe 21	<u></u>	-dece	P-P	Olath	183414	· ## · 131	noer	glas	55, V	- 40,	<u> </u>				
lote: Samp	ies are disci	ardec 30 G	ays ance re	MAINTS ACT TOP	Market Citizes	with this COC. The liability of the labor	ratory is limited	to th	e ambo	unt ou	id for	on the	/200 U	/I W∳ €ING 1	******	evtva	mue.	INE	nepon	T HOT THE BIN	arysis or t	US 900	~



e report.

Comparison envirotech

Page 615 of 688

Printed: 11/15/2023 11:31:59AM

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:	11/13/23	09:00	Work Order ID:	E311101
Phone:	(539) 573-4018	Date Logged In:	11/13/23	12:40	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier	<u>r</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 i i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Commen</u>	ts/Resolution
Sample T	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			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
12. Was th	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	re received w/i 15	Yes			
	Container	<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 Lal	· · · · · · · · · · · · · · · · · · ·	ners conceted:	103			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	Pate/Time Collected?		Yes			
C	follectors name?		Yes			
Sample I	Preservation_					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multipha	ase 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			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborate	ary?	No			
	amples required to get sent to a subcontract laborate assume subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
	• • •	1 30 WIIO:	1421	Subcolliact Lab. NA		
Client I	<u>nstruction</u>					

District III

<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

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 296739

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	296739
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2317840368			
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752			
Incident Type	Produced Water Release			
Incident Status	Remediation Plan Received			
Incident Well	[30-015-39752] RDX 16 #009			

Location of Release Source					
Please answer all the questions in this group.					
Site Name	RDX 16 #009				
Date Release Discovered	06/26/2023				
Surface Owner	State				

Incident Details	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	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Human Error Tank (Any) Crude Oil Released: 50 BBL Recovered: 40 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 522 BBL Recovered: 480 BBL Lost: 42 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.

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

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

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

QUESTIONS, Page 2

Action 296739

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	IONS (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 s	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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for release 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 t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional

Email: jim.raley@dvn.com Date: 12/20/2023

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 296739

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	296739
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization					
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the				
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)				
What method was used to determine the depth to ground water	NM OSE iWaters Database Search				
Did this release impact groundwater or surface water	No				
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:					
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)				
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)				
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)				
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)				
Any other fresh water well or spring	Between 1 and 5 (mi.)				
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)				
A wetland	Between 500 and 1000 (ft.)				
A subsurface mine	Greater than 5 (mi.)				
An (non-karst) unstable area	Between 1 and 5 (mi.)				
Categorize the risk of this well / site being in a karst geology	Medium				
A 100-year floodplain	Between 300 and 500 (ft.)				
Did the release impact areas not on an exploration, development, production, or storage site	Yes				

Propriate district office no later than 90 days after the release discovery date. Yes ciated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes No ms per kilograms.)
ciated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes No ms per kilograms.)
Yes No ms per kilograms.)
No ms per kilograms.)
ms per kilograms.)
, ,
25200
25500
18300
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0
ts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
12/01/2024
11/09/2023
11/09/2023
1838
272
11214
365
of submission and may (be) change(d) over time as more remediation efforts are completed.
1 3 0 1 1 1 1 2

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 296739

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	296739
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: 12/20/2023

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

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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 296739

QUESTIONS	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	296739
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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

QUESTIONS, Page 6

296739

QUESTIONS (continued)		
Operator: WPX Energy Permian, LLC	OGRID: 246289	
Devon Energy - Regulatory Oklahoma City, OK 73102	Action Number: 296739	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		

Sampling Event Information Last sampling notification (C-141N) recorded {Unavailable.} 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 II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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 296739

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	296739
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Variance request to collect confirmation sidewall and floor samples no more than 400 square feet is approved. Submit deferral request or remediation closure report to the OCD by 6/4/2024	3/7/2024

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

QUESTIONS

Action 371023

QUESTIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371023
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317840368
Incident Name	NAPP2317840368 RDX 16 #009 @ 30-015-39752
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-39752] RDX 16 #009

Location of Release Source		
Please answer all the questions in this group.		
Site Name	RDX 16 #009	
Date Release Discovered	06/26/2023	
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 Tank (Any) Crude Oil Released: 50 BBL Recovered: 40 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Tank (Any) Produced Water Released: 522 BBL Recovered: 480 BBL Lost: 42 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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 371023

Phone: (505) 476-3470 Fax: (505) 476-3462	,	
QUESTIONS (continued)		
Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	
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 s	afety 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.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface 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 II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

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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 371023

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371023
	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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

rided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
25200		
43100		
27900		
3.5		
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.		
04/02/2024		
07/02/2024		
07/02/2024		
2082		
315		
12800		
740		
on at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
1,		

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**

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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 371023

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371023
	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	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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.

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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 371023

QUESTI	ONS (continued)
Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371023
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	•
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each o	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	6123
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1300
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when
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	30-015-39752 RDX 16 #009
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 I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 08/06/2024

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

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

QUESTIONS, Page 6

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QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	371023
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	359042
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	4
What was the sampling surface area in square feet	5062

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

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CONDITIONS

Action 371023

CONDITIONS

Operator:	OGRID:
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Oklahoma City, OK 73102	371023
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of FS18 through FS29 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	8/8/2024