

# 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 <sup>†</sup>
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

<sup>&</sup>lt;sup>†</sup>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.

Site Characterization and Remediation Plan Incident Numbers nAPP2317840368 & nAPP2322658221 RDX 16 #009 If you have any questions or comments, please do not hesitate to contact Anna Byers at (575) 200-6754 or <a href="mailto:anna@etechenv.com">anna@etechenv.com</a> or Gilbert Moreno (832) 541-7719 or <a href="mailto:gilbert@etechenv.com">gilbert@etechenv.com</a>. **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

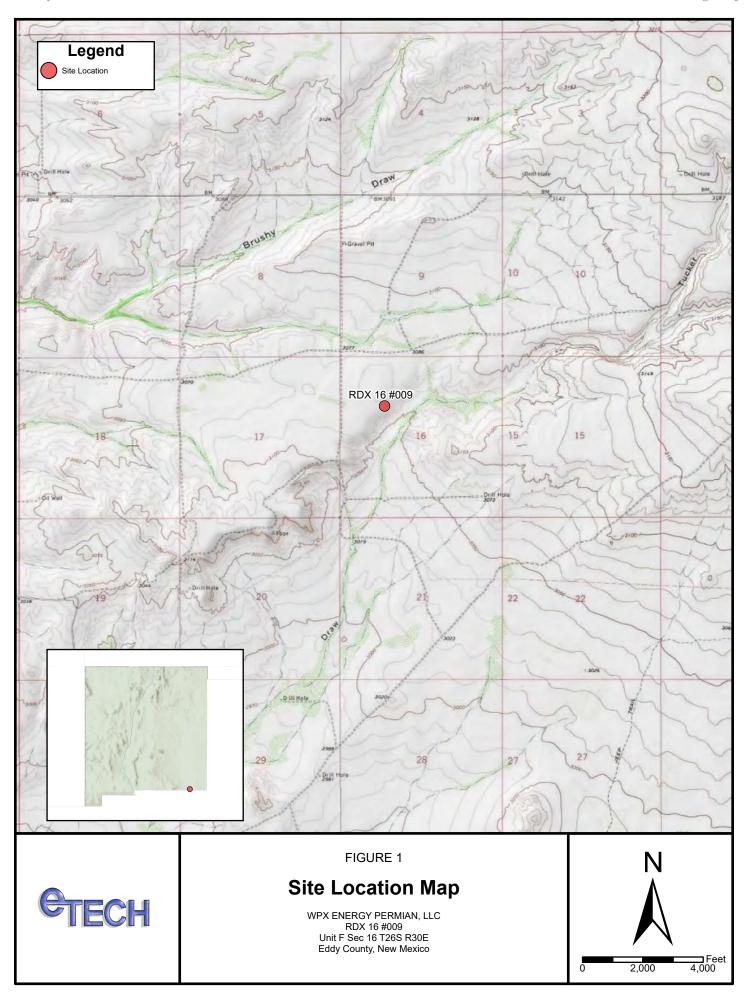
**Appendix G**: Laboratory Analytical Reports & Chain-of-Custody Documentation

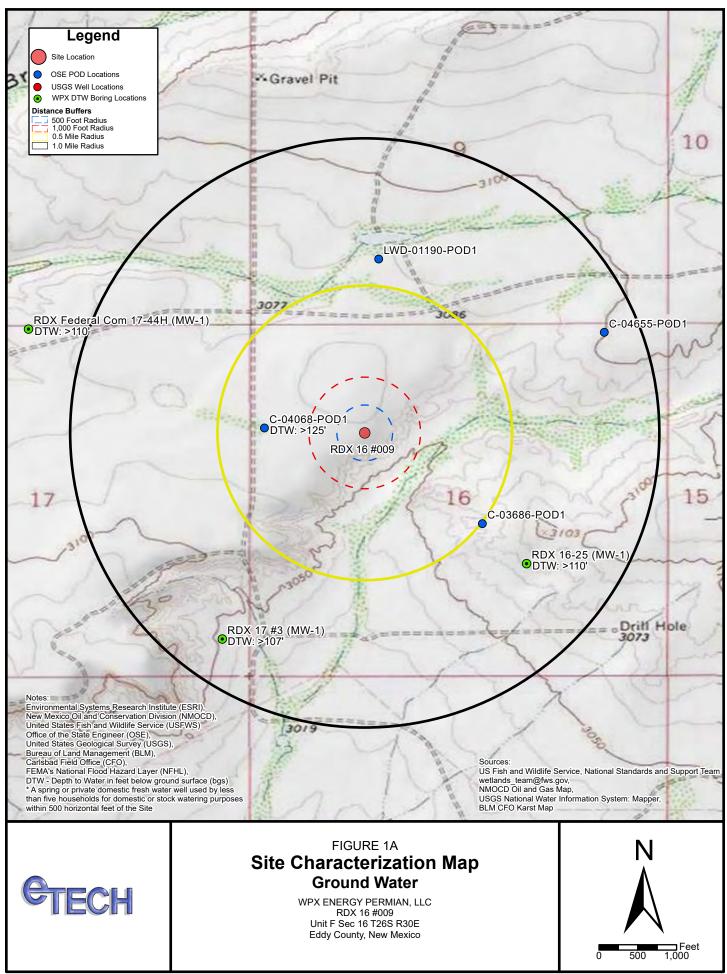
### **APPENDIX A**

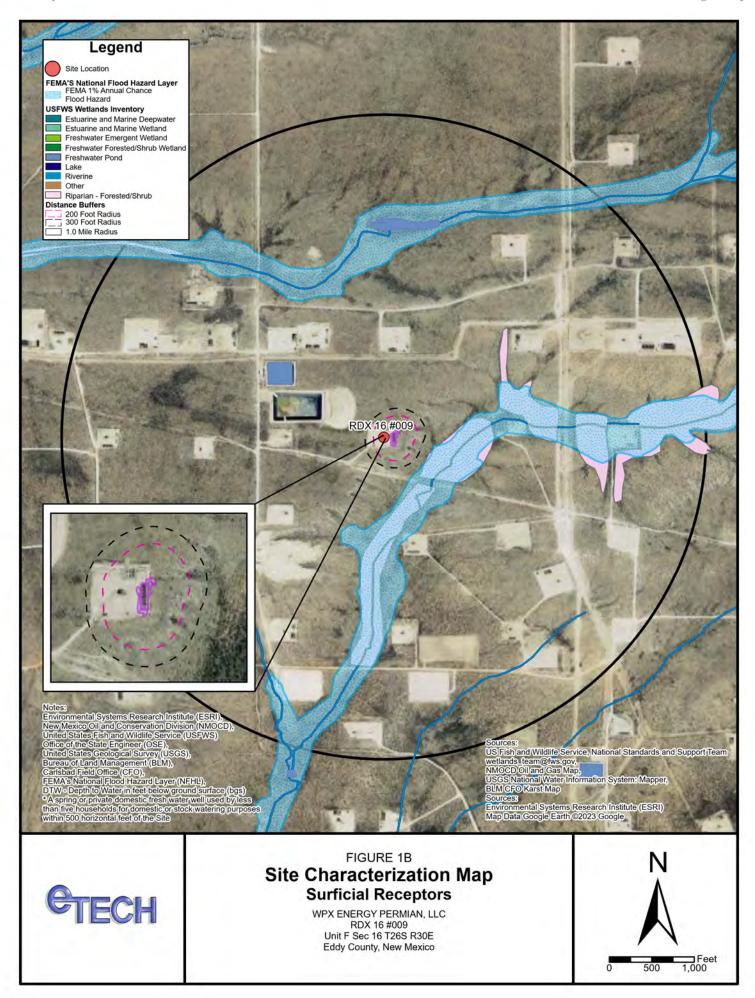
**Figures** 

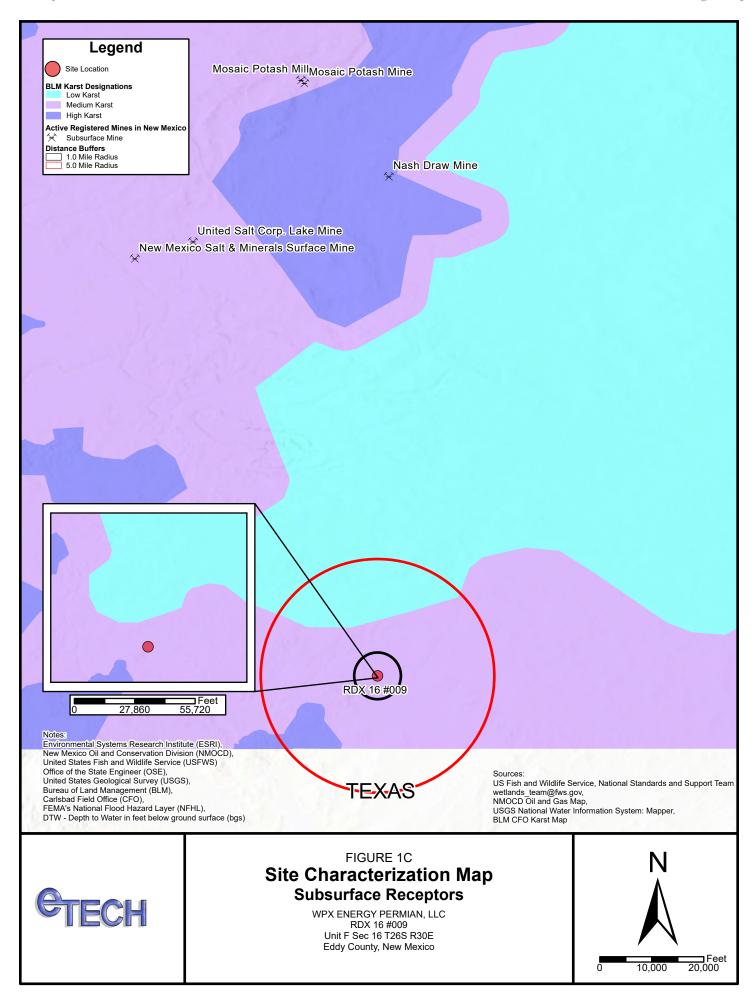
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

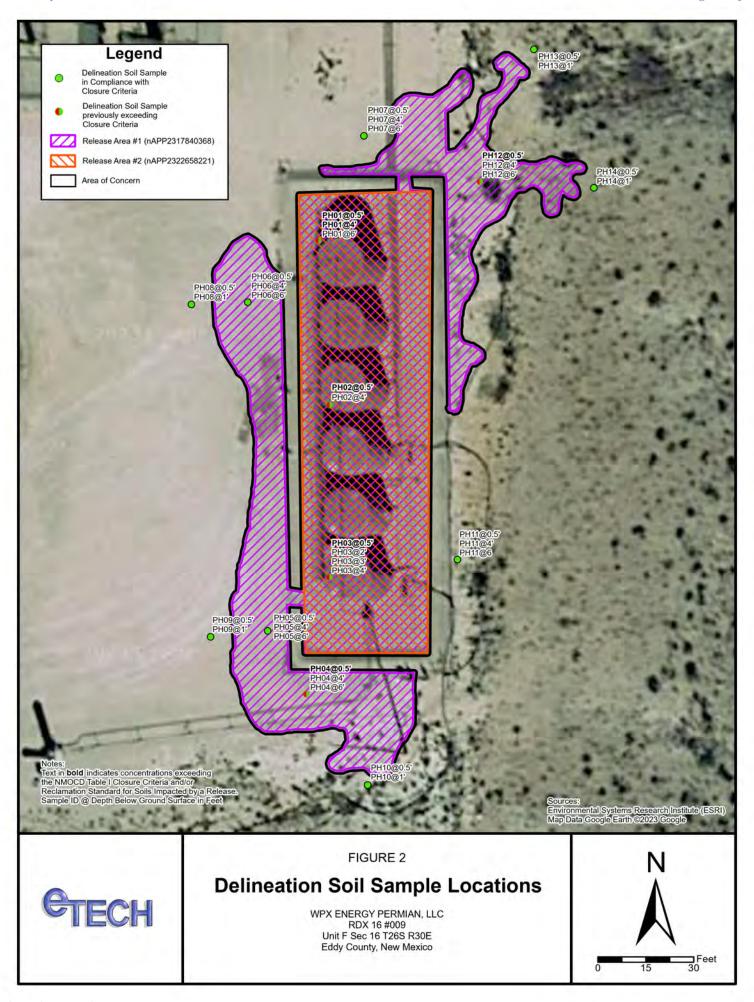


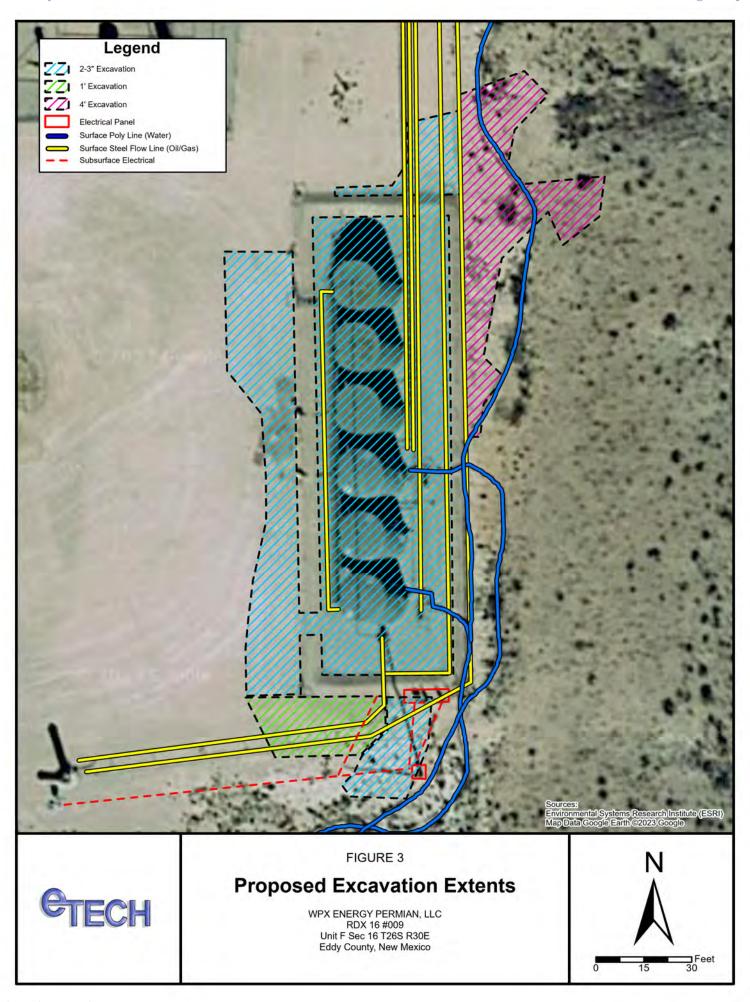












### **APPENDIX B**

### **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
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

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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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### **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 16<sup>th</sup> through October 20<sup>th</sup>, 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, EMNRD

Subject: 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

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@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

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







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Ţ	90	110	20	Y	✓ N			
4. HYDROGEOLOGIC LOG OF WELL	110	125	15	fine reddish sandstone with small layers of reddish clay	Y	√ N		
OF.					Y	N		
507					Y	N		
SIC.]					Y	N		
COC					Y	N		
GEO					Y	N		
DRO					Y	N		
H.Y.	<u></u>				Y	N	0 5 k 400k	ار اسم دورور المواد مي
4					Y	N	3	
					Y	N	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2 - 2 - 2
					Y	N	1 Tr	
					Y	N		
					Y	N	1 (g) 4 1 (g) 4 2 (g) 5	100 m 100 m 100 m
					Y	N	1 mg m 47 1 mg	garana paranan garanan garan
					. Y	N	_/3 	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTI		0.0	,
	PUMF	, <u> </u>	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIEL	∪ (gpni).	0.0	<u> </u>
ISION	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV				
TEST; RIG SUPERVIS	MISCELLAI	NEOUS IN	Во	g adapted from Souder Miller & Associates oversight. Boring to dring advanced with combination of air rotary and hollow stem augring not converted to well. Boring abandoned see plugging record	ger tooling. No	ence/abser water end	nce of wat countered.	er.
res	PRINT NAM	IE(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION (	THER TH	IAN LICEN	NSEE:
vá	Guadalupe "	Lupe" Ley	ba, Shane Eldrid	ge	.,,			
SIGNATURE	CORRECT R	ECORD O	F THE ABOVE DI	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELI ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R DAYS AFTER COMPLETION OF WELL DRILLING:				
6. SIGN		3anh	. S. he	Jackie D. Atkins	5/1′	7/2017 ————		_
		SIGNAT	JRE OF DRILLE	R / PRINT SIGNEE NAME		DATE		
FOR	OSE INTERN	NAL USE		WR-20 WE	LL RECORD &	LOG (Ver	sion 10/29	/2015)
	E NUMBER	$\mathbb{C}$	-4067	POD NUMBER TRN NUME	BER (OC	107	27	
Loc	CATION	$\mathcal{I}(c)$	S.30E	10.103.1	EXPI		PAGE 2	OF 2

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 Mbr:

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,

Deboran Dunaway (575)622-6521

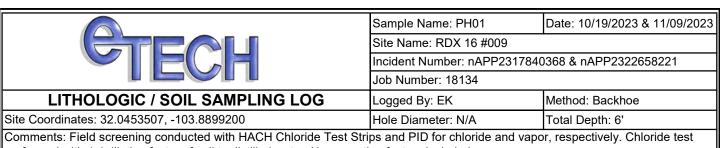
drywell

### APPENDIX D

## Lithologic Sampling Logs

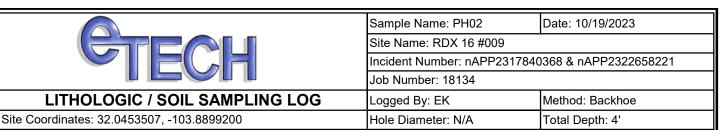
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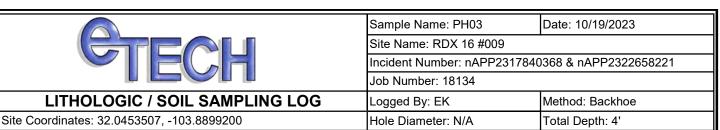
performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dmi	4 400	F4 7	Nia	DUO4	0	- 0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well
Dry	4,400	51.7	No	PH01	0.5	_		graded, some small gravel (1-2cm), trace silt, poorly consolidated, no stain, no odor.
Dry	9,232	6.4	No		1 -	1		poorly consolidated, no stain, no odor.
Dry	14,780	2.5	No		2 _ -	- - - 2 -		
Dry	14,780	0.4	No		3 _	- _ 3 -		
Dry	7,764	0.3	No	PH01	4 _	_ - _ 4 _		
					5 <u>-</u> -	- - -		
Dry	708	0	No	PH01	6	6		
```	_					То	tal Depth	ו



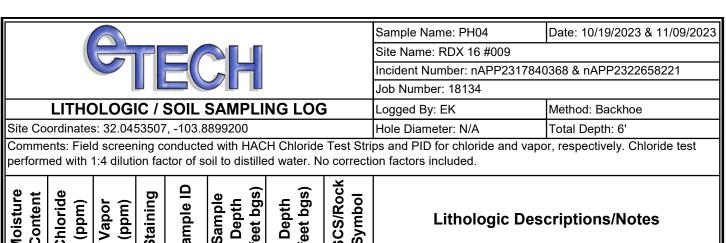
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

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 edor.
Dry	18,384	0	No		2 <u>-</u>	_ - _ 2 -		
Dry	1,696	0	No		3 _	- - 3 -		
Dry	1,584	0	No	PH02	4	4		

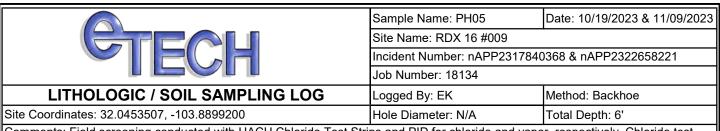


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
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.
900	93.1	No		1 _	1		poony consolidated, no stain, no odor.
188	8.2	No	PH03	2 -	2		
<112	3.8	No	PH03	- - 3	- - - 3		
111	0.3	No	DHU3	- - -	- - -		
	4,060 900 188	4,060 202.3 900 93.1 188 8.2 <112 3.8	4,060 202.3 No 900 93.1 No 188 8.2 No <112 3.8 No	4,060 202.3 No PH03 900 93.1 No 188 8.2 No PH03 <a href="https://www.nc.nc/4">&lt; No PH03</a> <112 3.8 No PH03	4,060 202.3 No PH03 0 .5	Chlorid         Chlorid           4,060         202.3         No         PH03         0.5         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<	4,060 202.3 No PH03 0.5 0 CCHE  900 93.1 No

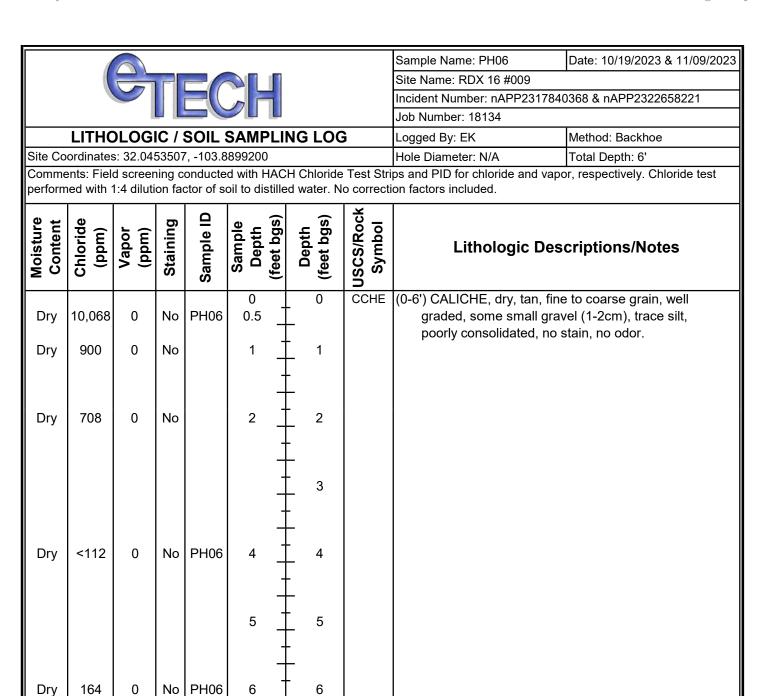


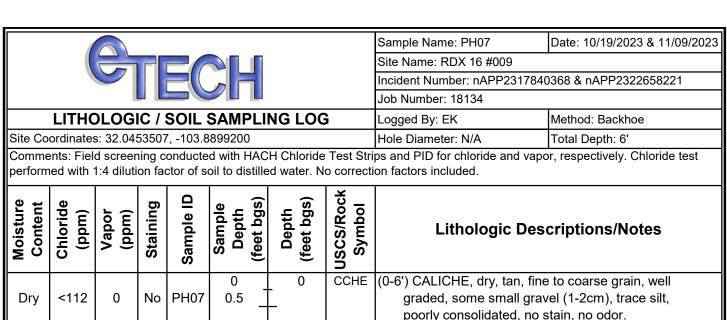
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	26,960	0.4	No	PH04	0 0.5	- 0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt,
Dry	7,764	0.2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



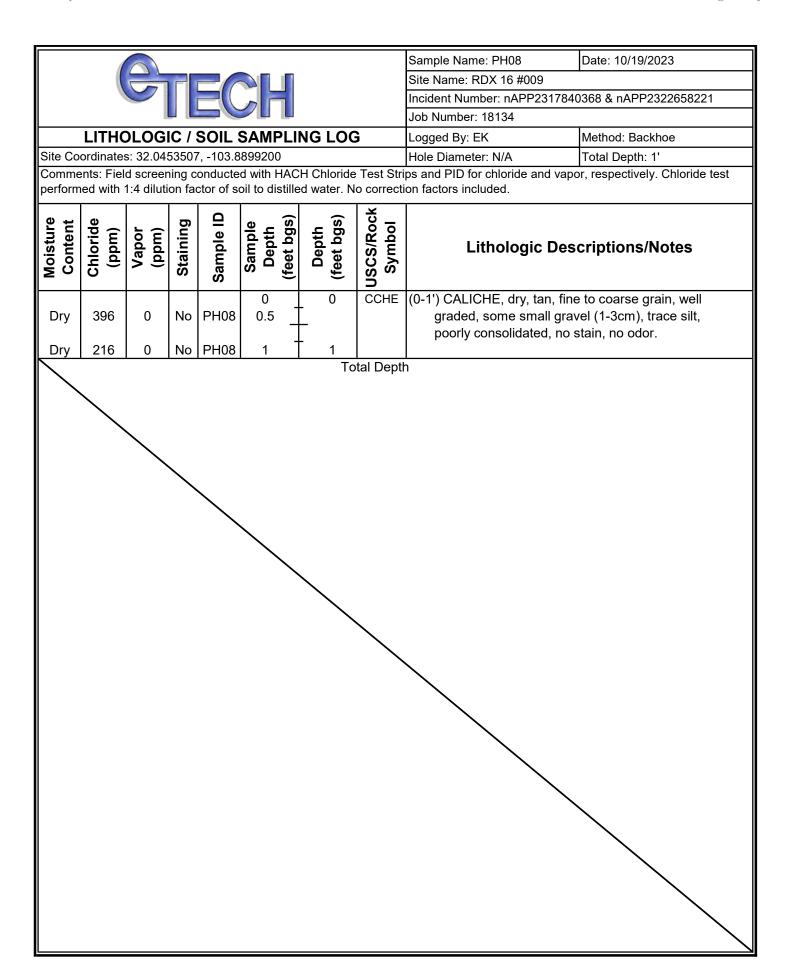
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

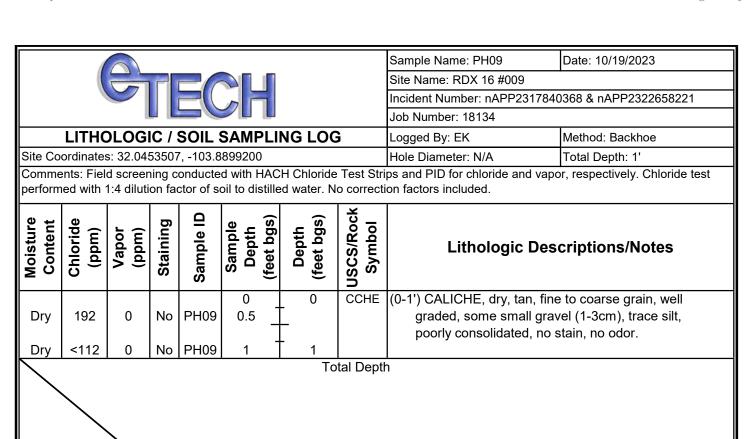
l——								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	14,780	0.5	No	PH05	0 0.5	0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt,
Dry	6,576	0.3	No		1 _	1		poorly consolidated, no stain, no odor.
Dry	3,180	0	No		2 -	2		
Dni	140	0	No	DUOS	-	3		
Dry	140	U	No	PH05	-	4		
					5 -	5 + +		
Dry	164	0	No	PH05	6	† 6		
					ı		tal Deptl	n

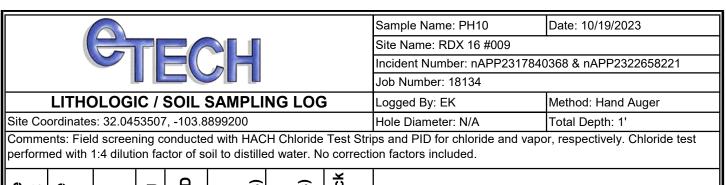




Mois	dd) CHIO	Vар (рр	Stair	Samp	Sam Dek (feet	Dek		Lithologic Descriptions/Notes
D=1	-110	0	NIa	DUOZ	0	ļ 0	CCHE	(0-6') CALICHE, dry, tan, fine to coarse grain, well
Dry	<112	0	No	PH07	0.5	+		graded, some small gravel (1-2cm), trace silt, poorly consolidated, no stain, no odor.
Dry	<112	0	No		1 1	<u>†</u> 1		poorly concentration, the start, the start.
						1		
						+		
Dry	<112	0	No		2			
						+		
						+		
						<u> </u>		
						+		
						†		
Dry	<112	0	No	PH07	4	4		
						+		
						<b>†</b>		
					5	5		
						†		
		_				Ţ		
Dry	<112	0	No	PH07	6	6	Total Dent	<u> </u>



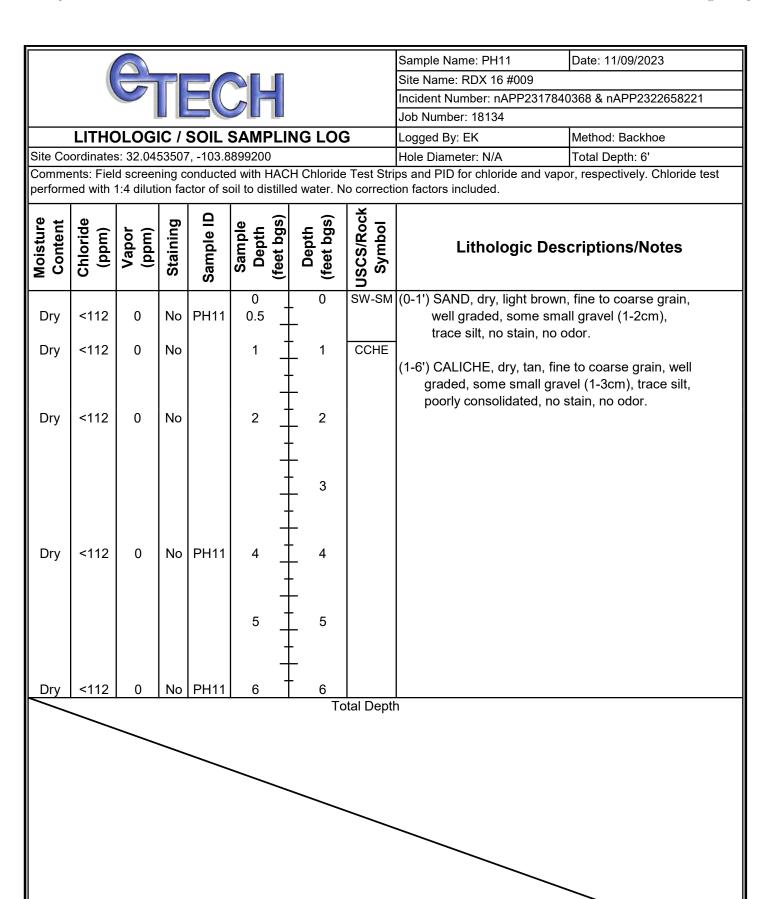


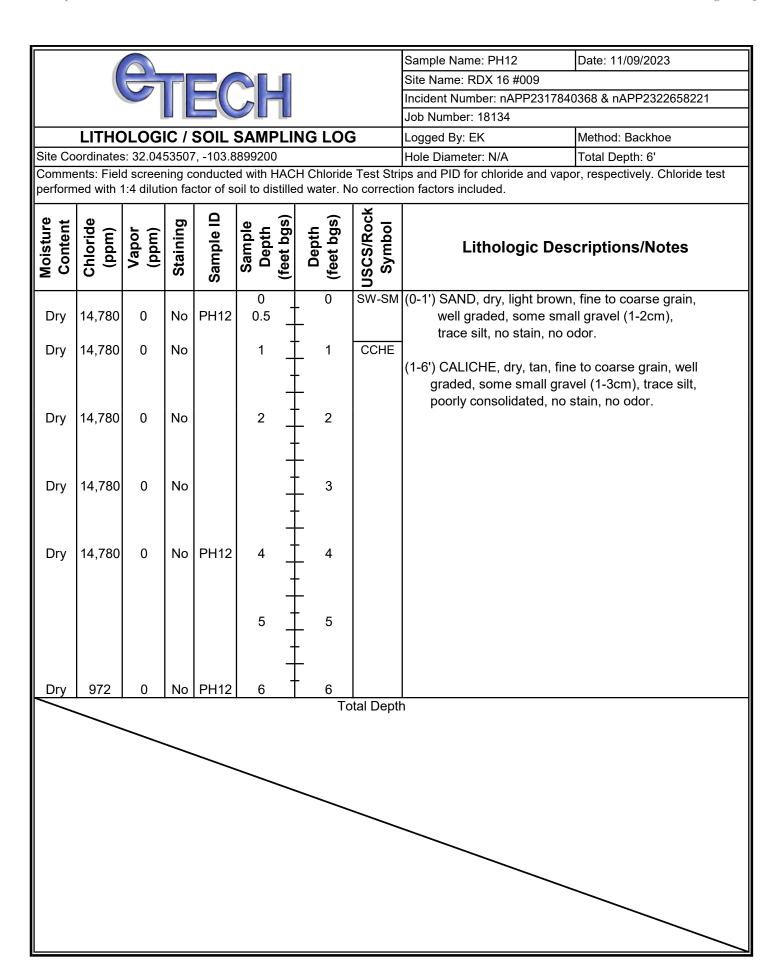


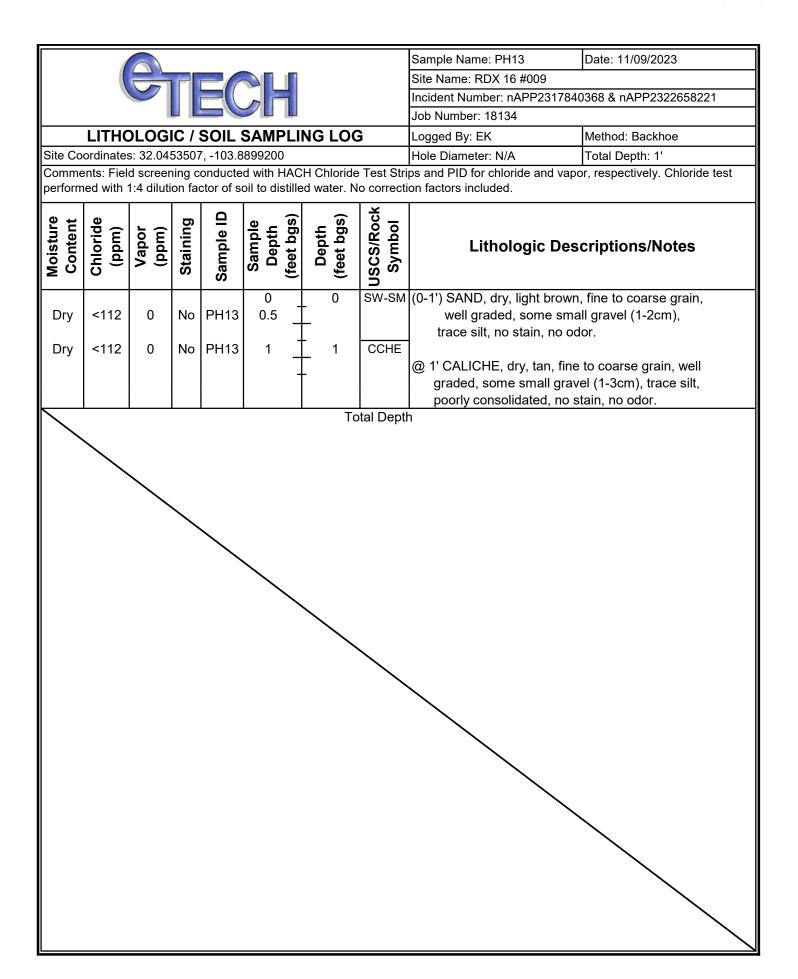
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	
Dry	<112	0	No	PH10	0 0.5	- <sup>0</sup>	SW-SM	((
Dry	<112	0	No	PH10	1 -	1	tal Danth	

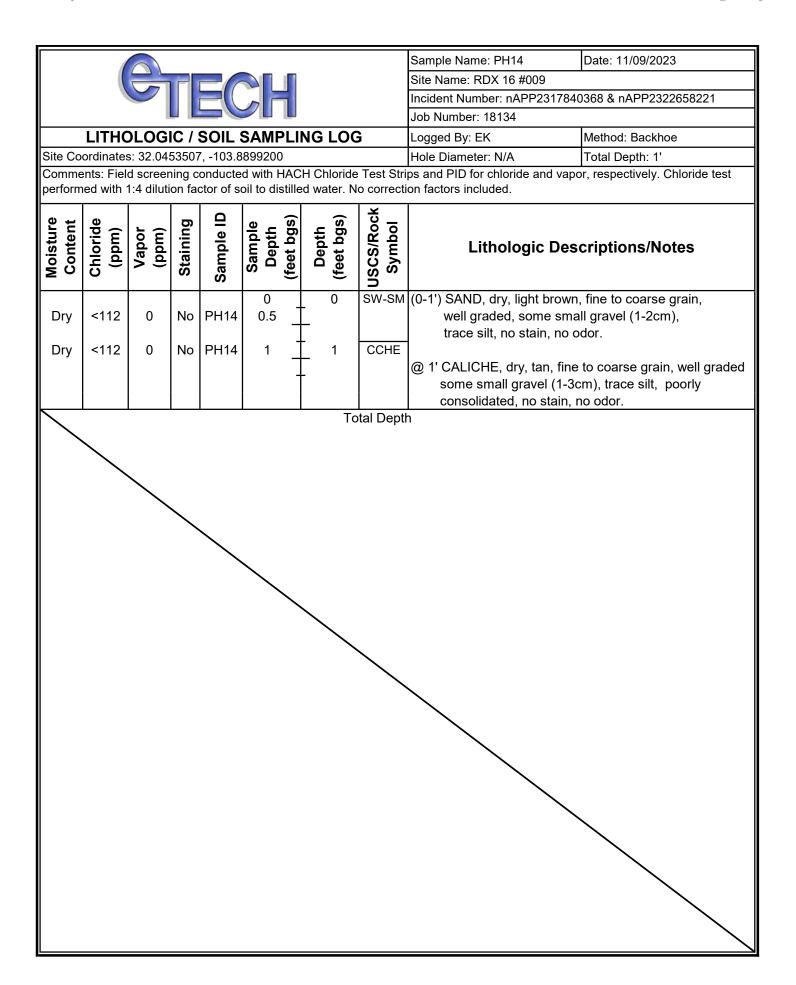
### **Lithologic Descriptions/Notes**

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









# **APPENDIX E**

Photographic Log

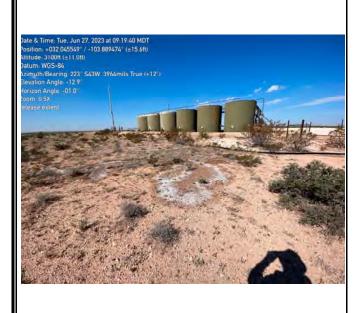
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#### **PHOTOGRAPHIC LOG**

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



Date & Time: Thu: Juli 13: 2025 at 09 04 01-MDT
Position = 032 04/955 // =103 889777. (±15 1H)
Attitude: 3087/H; = If 64H;
Datum: W05 = 84
Azmulin Bearing: 039 - N39E 0693mits Rose 505/9
Elevation Angle = 0.0 H;
Arom 0.5 X
D5 (ctoin up)

Photograph 1 Date:06/27/2023

Description: Southwestern 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.



Date & Time. Thu, Oct 19, 2023 at 09, 25-53 MDT
Position +032 045491\* -103.889765\* (±11.6ft)
Allitude, 3109ft +9 8ft)
Datum WOS-84
Zimuth Bearing, 339\* N21W, 6027mils True (=12.9)
Elevation Angle -02.5
Your 0.5X
YOX 18-9

**Photograph 3** Date:08/14/2023

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

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 5 Date:10/19/2023

Description: Southeastern view of delineation activities near PH03.



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



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



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 Closur Release (NMAC 19.15.		ls 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)  NMOCD Table I Closure Criteria for Soils Impacted by a		(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)	
Release (NMAC 19.15.2	(9)		10	50	NE	NE	NE	1,000	2,500	20,000	
			D	elineation Soil Samples	- Incident Numbers n	APP2317840368 & nAP	P2322658221				
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,

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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.



ſ	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	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	nalyst: 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	nalyst: 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	nalyst: 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		ıtion	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	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	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	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		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	5	0	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

		E010207 00				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
	mg/kg	mg/kg		analyst: RKS	1 111117 200	Batch: 2343025
Volatile Organic Compounds by EPA 8260B				10/23/23	10/25/23	Batch: 2343023
Benzene	ND	0.0250	1			
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		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	A	nalyst: RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	69.7	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		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	A	analyst: KM		Batch: 2343027
Diesel Range Organics (C10-C28)	5870	125	5	10/23/23	10/25/23	_
Oil Range Organics (C28-C36)	2280	250	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	A	analyst: RAS		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

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	Analyst: 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	Analy	st: 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	Analy	vst: RAS		Batch: 2343072
Chloride	2440	40.0	2	10/25/23	10/27/23	



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 2:09:04PM **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 (2343025-BLK1) Prepared: 10/23/23 Analyzed: 10/25/23 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 0.525 0.500 105 70-130 Surrogate: 1,2-Dichloroethane-d4 0.496 0.500 99.2 70-130 0.500 99.5 70-130 Surrogate: Toluene-d8 0.498 LCS (2343025-BS1) Prepared: 10/23/23 Analyzed: 10/25/23 2.19 0.0250 2.50 87.8 70-130 Benzene 2.25 2.50 90.2 70-130 Ethylbenzene 0.0250 2.16 0.0250 2.50 86.3 70-130 70-130 2.25 0.0250 2.50 90.1 o-Xylene 4.40 5.00 88.0 70-130 p,m-Xylene 0.0500 6.65 0.0250 7.50 88.7 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.512 70-130 Surrogate: Toluene-d8 0.493 0.500 Matrix Spike (2343025-MS1) Source: E310207-01 Prepared: 10/23/23 Analyzed: 10/25/23 48-131 2.38 0.0250 2.50 ND 95.0 45-135 Ethylbenzene 2.46 0.0250 2.50 ND 98.3 48-130 Toluene 2.35 0.0250 2.50 ND 94.0 2.42 0.0250 2.50 ND 96.6 43-135 o-Xylene 4.75 5.00 ND 94.9 43-135 p,m-Xylene 0.0500 Total Xylenes 7.16 0.0250 7.50 ND 95.5 43-135 Surrogate: Bromofluorobenzene 0.505 0.500 101 70-130 0.497 0.500 99.4 70-130 Surrogate: 1,2-Dichloroethane-d4

0.500

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

0.498

2.30

2.31

2.40

4.70

7.10

0.509

0.496

0.503

70-130

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

3.36

1.97

1.63

0.644

0.910

0.820

99.5

91.9

96.3

92.5

96.0

94.1

94.7

102

99.1

101

Source: E310207-01

ND

ND

ND

ND

ND

ND



Prepared: 10/23/23 Analyzed: 10/25/23

23

27

24

27

27

27

Surrogate: Toluene-d8

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Matrix Spike Dup (2343025-MSD1)

		QC D	umm	ary Data	,						
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 2:09:04PM		
		Volatile O	rganics l	by EPA 8021	В			Analyst: RK			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2343044-BLK1)							Prepared: 1	0/24/23 A	nalyzed: 10/26/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Fotal Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130					
LCS (2343044-BS1)							Prepared: 1	0/24/23 A	analyzed: 10/26/23		
Benzene	5.12	0.0250	5.00		102	70-130					
Ethylbenzene	5.04	0.0250	5.00		101	70-130					
Foluene	5.09	0.0250	5.00		102	70-130					
o-Xylene	5.05	0.0250	5.00		101	70-130					
o,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	7.68		8.00		96.1	70-130					
Matrix Spike (2343044-MS1)				Source: H	E310226-	02	Prepared: 1	0/24/23 A	nalyzed: 10/26/23		
Benzene	5.30	0.0250	5.00	ND	106	54-133					
Ethylbenzene	5.22	0.0250	5.00	ND	104	61-133					
Toluene	5.29	0.0250	5.00	ND	106	61-130					
o-Xylene	5.22	0.0250	5.00	ND	104	63-131					
o,m-Xylene	10.6	0.0500	10.0	ND	106	63-131					
Total Xylenes	15.8	0.0250	15.0	ND	106	63-131					
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130					
Matrix Spike Dup (2343044-MSD1)				Source: H	2310226-	02	Prepared: 1	0/24/23 A	nalyzed: 10/26/23		
Benzene	5.44	0.0250	5.00	ND	109	54-133	2.60	20			
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133	2.77	20			
T-1	5 12	0.0250	5.00	ND	100	61 120	2.50	20			

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0500

0.0250

ND

ND

ND

ND

108

107

109

108

5.43

5.37

10.9

16.3

7.71

61-130

63-131

63-131

63-131

70-130

20

20

20

20

2.59

2.73

2.61

2.65



Toluene

o-Xylene

p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **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 10/27/2023 2:09:04PM

Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno					10/27/2023 2:09:04P
	Non	halogenated	Organics	by EPA 80	15D - GI	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
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:	E310207-0	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:	E310207-0	01	Prepared: 1	0/23/23	Analyzed: 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			

0.500

0.500

0.501

0.502

100

100

70-130

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 2:09:04PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	)			1	0/27/2023 2:09:04PM
	Nor	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2343044-BLK1)							Prepared: 1	0/24/23 An	nalyzed: 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 An	nalyzed: 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 An	nalyzed: 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 An	nalyzed: 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 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	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: Gi	lbert Moreno				1	0/27/2023 2:09:04PM
	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 Ar	nalyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.2		50.0		96.3	50-200			
LCS (2343042-BS1)							Prepared: 1	0/24/23 Ar	nalyzed: 10/24/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	46.0		50.0		92.1	50-200			
Matrix Spike (2343042-MS1)				Source:	E310238-	02	Prepared: 1	0/24/23 Ar	nalyzed: 10/24/23
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	49.1		50.0		98.3	50-200			
Matrix Spike Dup (2343042-MSD1)				Source:	E310238-	02	Prepared: 1	0/24/23 Ar	nalyzed: 10/24/23
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	6.50	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike Dup (2343072-MSD1)

Chloride

### **QC Summary Data**

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 01	DX 16 #009 1058-0007 ilbert Moreno				1	<b>Reported:</b> 0/27/2023 2:09:04PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				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 (2343072-BLK1)							Prepared: 1	0/25/23 Ar	nalyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)							Prepared: 1	0/25/23 Ar	nalyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				Source:	E310202-	01	Prepared: 1	0/25/23 Ar	nalyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			

250

20.0

Source: E310202-01

109

80-120

0.938

96.3

#### 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: 10/25/23 Analyzed: 10/26/23

20

## **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.



Project I	nformatio	n					Chain o	f Cus	tody												ı
Client: V	/PX Energ	y Permia	n, LLC.			Bill To	······································	·		La	b Us	e On	ľv		Т		Ť	AT		EPA P	rogram
	RDX 16 #0				At	tention: Jim Raley		Lab	WO			lob i	Num	ber	. 10	) 2D			andard	CWA	SDW
	danager:					dress: 5315 Buena Vista Dr.	·	E:	wor ≥10	20	9	$\alpha a$	58·	<u>000</u>	l			50	lay TAT		
	13000 W				Cit	y, State, Zip: Carlsbad, NM, 882	220					Analy	sis a	nd Meth	od						RCF
	te, Zip_Oc		79765		Ph	one: 575-885-7502									T						
	32-541-7				Em	nail: jlm.raley@dvn.com			8					1 1	-	1	1			State	
Email: D	evon-tear	n@etech	env.com			O: 21191055			3					1	1		1	1	NM CO	UT AZ	TX
Collecte	d by: Edyt	e Konan			1 1	ddent ID: nAPP2322658221, PP2317840368		-	TPH GRO/DRO/ORO by <b>8</b> 015	8021	8260	010	3000		3		¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample (C	)		Lab Number	Depth(PL)	TPH CR	BTEX by 8021	VOC 6y 8260	Metals 6010	Chloride 300.0		200		gg			Remark	5
9:00	10.19.23	S	1			PHO1		0.5'							,						
9:10	10.19.23	S	1			PHO1	2	4'							,	:					
9:20	10.19.23	S	1			PHO2	3	0.5'			·				,	1					
9:30	10.19.23	S	1			PHO2	4	4'							,						
						•								7	1						
						1012012023															
	·																				
ddition	nai Instruc	ctions:																			
					ds for legal action	re that tampering with or intentionally mislant.  Sampled by: GM		le loca	tion,					-	•				on los the da an 6 °C on su		-
	ed by Sign	sture)		20123	Time 10:45	Received by: (Signature) MICHELLE GONZALES	Date 10-20-2	23	Time 1(	045		Rece	ived	on ice		Lab L		nly			
delinguish Mici	helle C	onzal	gs 10	-20-23	1700	Received by: (Agelsture)  Out 11	Date 10.23		Time	:15		T1			, T2	<u>ح</u> ٠ '			T3		
eilnquish	ed by: (Sign	sture)	Date	•	Time	Received by: (Signature)	Date		Yime			AVG	Ton	np°C_	. <u></u> {				<del></del>		
			4																		



envirotech

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

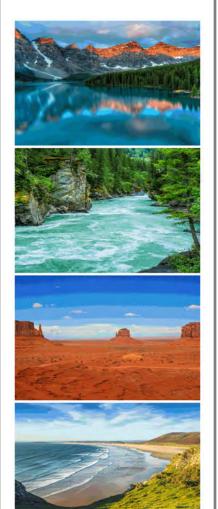
Instructions: Please take note of any NO checkmarks.

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 of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	on the coc	Yes Yes	a : 6			
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>Journer</u>		
	Il samples received within holding time?	ica anaryses.	Yes				
3. Were a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		103			<u>Comment</u>	s/Resolution
Sample T	<u> Curn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	,	temperature. 1	<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?	ı	Yes				
	appropriate volume/weight or number of sample contains		Yes				
Field Lat	· · · · · · · · · · · · · · · · · · ·	ers conected?	105				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	w9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	. NA		
		30 WIIO.	1421	Subcontract Lat	), INA		
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: 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

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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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:
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.



ĺ	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	Anal	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	mg/kg	Anal	lyst: RKS		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	Anal	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 Manage	r: Gi	lbert Moreno				10/2	7/2023 10:13:05A
	V	olatile Organ	ic Compou	unds by EP.	A 82601	В		A	Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
,	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 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: 10	0/23/23 Analy	yzed: 10/25/23
,	2.55	0.0250	2.50		102	70-130	1	•	,
Benzene	2.64	0.0250	2.50		102	70-130			
Ethylbenzene	2.69		2.50		107	70-130			
Toluene	2.60	0.0250	2.50		107	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
o,m-Xylene	7.85	0.0500	7.50		105	70-130			
Fotal Xylenes	0.488	0.0250	0.500		97.6	70-130			
Surrogate: Bromofluorobenzene			0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503								
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			
o-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			
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: 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	
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	7.10	27	
o,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			

0.500

0.500

98.3

108

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.492

0.541

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

	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

	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. 1,2-Dichtoroethane-a4	0.4//								
Surrogate: Toluene-d8	0.558		0.500		112	70-130			
				Source:	112 <b>E310202-</b> (		Prepared: 1	0/23/23	Analyzed: 10/25/23
Surrogate: Toluene-d8		20.0		Source:			Prepared: 1	0/23/23	Analyzed: 10/25/23
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)	0.558	20.0	0.500		E310202-(	)2	Prepared: 1	0/23/23	Analyzed: 10/25/23
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)  Gasoline Range Organics (C6-C10)	0.558	20.0	50.0		E310202-0	70-130	Prepared: 1	0/23/23	Analyzed: 10/25/23
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene	0.558 55.7 0.499	20.0	50.0 0.500		E310202-0	70-130 70-130	Prepared: 1	0/23/23	Analyzed: 10/25/23
Matrix Spike (2343024-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.558 55.7 0.499 0.480	20.0	50.0 0.500 0.500	ND	E310202-( 111 99.8 95.9	70-130 70-130 70-130 70-130	-		Analyzed: 10/25/23  Analyzed: 10/25/23
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8	0.558 55.7 0.499 0.480	20.0	50.0 0.500 0.500	ND	E310202-0 111 99.8 95.9 110	70-130 70-130 70-130 70-130	-		<u> </u>
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Matrix Spike Dup (2343024-MSD2)	0.558 55.7 0.499 0.480 0.552		50.0 0.500 0.500 0.500 0.500	ND Source:	E310202-0 111 99.8 95.9 110 E310202-0	70-130 70-130 70-130 70-130	Prepared: 1	0/23/23	<u> </u>
Surrogate: Toluene-d8  Matrix Spike (2343024-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Matrix Spike Dup (2343024-MSD2)  Gasoline Range Organics (C6-C10)	0.558 55.7 0.499 0.480 0.552		0.500 50.0 0.500 0.500 0.500	ND Source:	E310202-( 111 99.8 95.9 110 E310202-( 113	70-130 70-130 70-130 70-130 70-130	Prepared: 1	0/23/23	<u> </u>

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: G1	lbert Moreno					10/27/2023 10:13:05A
	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			
<b>Matrix Spike (2343027-MS1)</b>				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			

Chloride

M2

## **QC Summary Data**

WPX Energy - Carlsbad		Project Name:	R	DX 16 #009					Reported:	
5315 Buena Vista Dr		Project Number		058-0007						
Carlsbad NM, 88220		Project Manager	r: G	ilbert Moreno					10/27/2023 10:13:	05AM
		Anions	by EPA 3	300.0/9056	4				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2343043-BLK1)							Prepared:	10/24/23	Analyzed: 10/24/2	23
Chloride	ND	20.0								
LCS (2343043-BS1)							Prepared:	10/24/23	Analyzed: 10/24/2	23
Chloride	230	20.0	250		92.1	90-110				
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared:	10/24/23	Analyzed: 10/24/2	23
Chloride	743	200	250	542	80.4	80-120				
Matrix Spike Dup (2343043-MSD1)				Source:	E310238-	03	Prepared:	10/24/23	Analyzed: 10/24/2	23

250

200

542

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 10:13

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.



Received by OCD: 2/29/2024 10:33:44 AM



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envirotech Inc.

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.

Phone:	(500) 550 1010						
	(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)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes		<del></del>		
5. Were a	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
Sample '	Furn Around Time (TAT)	и.		Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
	· •		103				
Sample (	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	the sample(s) received intact, i.e., not broken?						
	* * * * * * * * * * * * * * * * * * * *		Yes				
	custody/security seals present?		No				
-	s, were custody/security seals intact?		NA				
12. Was tl	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature.   Actual sample t	temperature: 4°0	<u>C</u>				
Sample (	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are \	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 r	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:					
	lample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	-			
	Preservation		Yes				
	the COC or field labels indicate the samples were pre-	eserved?	No				
	ample(s) correctly preserved?	osci ved:	NA				
	filteration required and/or requested for dissolved mo	etals?	No				
	1 1	· · · · · · · · · · · · · · · · · · ·	110				
	ase Sample Matrix	a-9	».T				
	the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analyze		No				
		zeu?	NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborator		No		27.4		
	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





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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

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**

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	Reporteu:
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

		E010200 01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dii	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		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	



RDX 16 #009 Project Name: WPX Energy - Carlsbad Reported: Project Number: 01058-0007 5315 Buena Vista Dr Carlsbad NM, 88220 Project Manager: Gilbert Moreno 10/27/2023 10:20:28AM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Spike Source Rec RPD Reporting Analyte

Analyte	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 Analy	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: 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			
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:	E310202-0	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			
o-Xylene	2.62 2.49	0.0250 0.0250	2.50 2.50	ND ND	105 99.4	48-130 43-135			
•		0.0250 0.0250 0.0500							
p,m-Xylene	2.49	0.0250	2.50	ND	99.4	43-135			
o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene	2.49 5.01 7.50	0.0250 0.0500	2.50 5.00	ND ND	99.4 100	43-135 43-135			
o,m-Xylene Fotal Xylenes Surrogate: Bromofluorobenzene	2.49 5.01 7.50 0.487	0.0250 0.0500	2.50 5.00 7.50	ND ND	99.4 100 100	43-135 43-135 43-135			
o,m-Xylene  Total Xylenes  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4	2.49 5.01 7.50	0.0250 0.0500	2.50 5.00 7.50 0.500	ND ND	99.4 100 100 97.4	43-135 43-135 43-135 70-130			
p,m-Xylene	2.49 5.01 7.50 0.487 0.499	0.0250 0.0500	2.50 5.00 7.50 0.500 0.500	ND ND ND	99.4 100 100 97.4 99.8	43-135 43-135 43-135 70-130 70-130	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1)	2.49 5.01 7.50 0.487 0.499	0.0250 0.0500 0.0250	2.50 5.00 7.50 0.500 0.500	ND ND ND	99.4 100 100 97.4 99.8 108	43-135 43-135 43-135 70-130 70-130	Prepared: 1	0/23/23 Analy	yzed: 10/25/23
p.m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1) Benzene	2.49 5.01 7.50 0.487 0.499 0.541	0.0250 0.0500	2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND	99.4 100 100 97.4 99.8 108 E310202-	43-135 43-135 43-135 70-130 70-130			yzed: 10/25/23
Opn-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1) Benzene Ethylbenzene	2.49 5.01 7.50 0.487 0.499 0.541	0.0250 0.0500 0.0250	2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND Source:	99.4 100 100 97.4 99.8 108 E310202-6	43-135 43-135 43-135 70-130 70-130 70-130 48-131	5.10	23	yzed: 10/25/23
p.m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1) Benzene Ethylbenzene Toluene	2.49 5.01 7.50 0.487 0.499 0.541 2.33 2.46	0.0250 0.0500 0.0250 0.0250	2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND Source:	99.4 100 100 97.4 99.8 108 E310202-6 93.3 98.4	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135	5.10 5.38	23 27	yzed: 10/25/23
p.m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2343024-MSD1)  Benzene Ethylbenzene Toluene p-Xylene	2.49 5.01 7.50 0.487 0.499 0.541 2.33 2.46 2.47	0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50	ND ND ND Source:	99.4 100 100 97.4 99.8 108 E310202-0 93.3 98.4 98.7	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135 48-130	5.10 5.38 6.15	23 27 24	yzed: 10/25/23
p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	2.49 5.01 7.50 0.487 0.499 0.541 2.33 2.46 2.47 2.32	0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50	ND	99.4 100 100 97.4 99.8 108 E310202-I 93.3 98.4 98.7 92.6	43-135 43-135 43-135 70-130 70-130 70-130 48-131 45-135 48-130 43-135	5.10 5.38 6.15 7.10	23 27 24 27	yzed: 10/25/23
p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.49 5.01 7.50 0.487 0.499 0.541 2.33 2.46 2.47 2.32 4.71	0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50 2.50 5.00	ND	99.4 100 100 97.4 99.8 108 E310202-1 93.3 98.4 98.7 92.6 94.2	43-135 43-135 43-135 70-130 70-130 70-130 02 48-131 45-135 48-130 43-135 43-135	5.10 5.38 6.15 7.10 6.24	23 27 24 27 27	yzed: 10/25/23
p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2343024-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	2.49 5.01 7.50 0.487 0.499 0.541 2.33 2.46 2.47 2.32 4.71 7.03	0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50 5.00 7.50	ND	99.4 100 100 97.4 99.8 108 E310202-1 93.3 98.4 98.7 92.6 94.2 93.7	43-135 43-135 43-135 70-130 70-130 02 48-131 45-135 48-130 43-135 43-135 43-135	5.10 5.38 6.15 7.10 6.24	23 27 24 27 27	yzed: 10/25/23

Gasoline Range Organics (C6-C10)

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

## **QC Summary Data**

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 10:20:28AM

	Non		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	)/23/23 Analy	vzed: 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	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: 10	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:	E310202-0	02	Prepared: 10	0/23/23 Analy	zed: 10/25/23

50.0

0.500

0.500

0.500

20.0

113

101

95.8

111

70-130

70-130

70-130

70-130

1.03

56.3

0.505

0.479

0.557



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			
<b>Matrix Spike (2343027-MS1)</b>				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		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number Project Manage		1058-0007 ilbert Moreno				1	0/27/2023 10:20:28AM
		Anions	by EPA	300.0/9056 <i>A</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 Ar	nalyzed: 10/24/23
Chloride	ND	20.0							
LCS (2343043-BS1)							Prepared: 1	0/24/23 Ar	nalyzed: 10/24/23
Chloride	230	20.0	250		92.1	90-110			
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared: 1	0/24/23 Ar	nalyzed: 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

20

M2

## **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 10:20

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.



Project In	formation	ו				<del>-</del> :	Chain o	f Cu:	stody	′											Pa
Client: W	PX Energ	y Permia	n, LLC.			Bill To		Г		— L	b U	se Or	nlv		_			TAT	,	EDA (	Program
Project: F	RDX 16#0	09			Atte	ention: Jim Raley		Lah	WO			Job		ber	-	1D 2	D a		Standard	CWA	SDWA
	Aanager: (				Add	Iress: 5315 Buena Vista Dr.		F	31	ັກ2ເ	2/0	nli	)5'R	·	<b>7</b> 1		-		5 day TAT	CWA	JUWA
	13000 W					, State, Zip: Carlsbad, NM, 882	20	-		<b></b>		Analy	rsis ar	nd Me	thod				1		RCRA
City, Stat	e, Zip_Od	essa,TX,	79765			one: 575-885-7502		<del> </del>	T	T	<u> </u>	Γ			T	T					1
	32-541-77				Ema	ail: jlm.raley@dvn.com		1	8015		f .									State	٠
Email: De	evon-tean	n@etech	env.com			: 21191055	****	1	3									- 1	NM CO		TXT !
						dent ID: nAPP2322658221,	<del></del>	1	ğ	1				1		- 1		]			+
Collected	d by: Edyt	e Konan				PP2317840368		_	)/D8O/C	8021	92	010	300.0			Σ		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample IC	)		Lab Number	Oepth(ft.)	трн сяо/ово/ово	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			Верос		2000		Remark	<u></u> S
9:50	10.19.23	s	1			PH03	1	2'								x					
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date or time	of collection	ls considere	d fraud and	may be groun	ds for legal action.														ived on toe the day s than 6 °C on sub		
Relanquish	ed by: (Signa	iture)		20123	10:45		Date 10-20-		Time	)45		Rece	ived	on ice	e:	Lab (V)	Use (	Only			
	ed by: (Steni 1elle G		Date 10	-20-23	1700	Repetived by (Synature) Non	10-23-	23	Time	75	- 1	T1			7	T2			Т3		
Relinquish	ed by: (Signi	iture)	Date		Time	Received by: (Signature)	Date		Time			AVG	Tom	n°C	4			*********			
Sample Mat	4 . 6 . 6 . 11 . 6 .				<u>'</u>		Container								-						



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envirotech Inc.

Printed: 10/23/2023 12:53:29PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

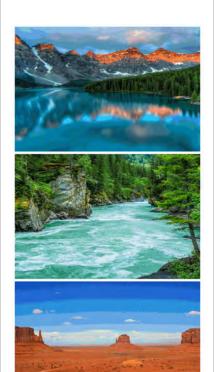
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15		Work Order ID:	E310206
Phone:	(539) 573-4018	Date Logged In:	10/23/23	09:17		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:		17:00 (4 day TAT)		Logged in Dy.	
Chain o  1. Does 2. Does 3. Were 4. Was the	the sample ID match the COC? the number of samples per sampling site location massamples dropped off by client or carrier? the COC complete, i.e., signatures, dates/times, reque all samples received within holding time? Note: Analysis, such as pH which should be conducted i.e., 15 minute hold time, are not included in this disucss	atch the COC ested analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	Courier	<u>Comment</u>	s/Resolution
	Turn Around Time (TAT)		Vac				
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
	sample cooler received? , was cooler received in good condition?		Yes Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	the sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes <u>C</u>				
Sample	<u>Container</u>						
14. Are	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	s?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes				
; ]	abel e field sample labels filled out with the minimum inf Sample ID? Date/Time Collected? Collectors name?	formation:	Yes Yes Yes				
	Preservation		103				
21. Does	s the COC or field labels indicate the samples were p	reserved?	No				
22. Are	sample(s) correctly preserved?		NA				
24. Is lal	b filteration required and/or requested for dissolved a	metals?	No				
Multiph	nase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multipha	ase?	No				
27. If ye	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
28. Are	tract Laboratory samples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and	-	No NA	Subcontract Lab	: NA		
Client 1	<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





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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

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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Raina Schwanz

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mgonzales@envirotech-inc.com

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## **Sample Summary**

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

Client Sample ID	Lab Sample ID M	latrix	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

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2343024
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	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	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	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		85.3 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343043
	37.8	20.0			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

Carlsbad NM, 88220		Project Manager	r: Gi	ilbert Moreno				10/2	27/2023 10:17:33A
	V	olatile Organi	ic Compo	unds by EF	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 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			
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:	E310202-	02	Prepared: 10	0/23/23 Anal	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 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	<b>50 130</b>			

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

Carisbad NW, 88220		Froject Manage	ı. Oı	ibert Moreno				10/2	7/2023 10.17.332
	Nor	А	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:	E310202-0	02	Prepared: 1	0/23/23 Anal	yzed: 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: G1	lbert Moreno				10	/2//2023 10:17:33A
	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 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 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

Chloride

Matrix Spike Dup (2343043-MSD1)

## **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				10	<b>Reported:</b> 0/27/2023 10:17:33AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				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

250

250

200

200

728

542

542

80.4

74.1

Source: E310238-03

80-120

80-120

2.13

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

20

M2

#### 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 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.



Received by OCD: 2/29/2024 10:33:44 AM



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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 0	8:15		Work Order ID:	E310205
Phone:	(539) 573-4018	Date Logged In:	10/23/23 0	9:16		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 1	7:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma imples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, reque I samples received within holding time? Note: Analysis, such as pH which should be conducted in	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	<u>'ourier</u>		
	i.e, 15 minute hold time, are not included in this disucssi	on.				Comment	s/Resolution
	urn Around Time (TAT)		3.7				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			Vac				
	ample cooler received? vas cooler received in good condition?		Yes 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	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u> </u>				
Sample C							
-	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	0	NA 				
	on-VOC samples collected in the correct containers		Yes				
	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa	<u>el</u> field sample labels filled out with the minimum info ample ID? ate/Time Collected?	ormation:	Yes				
	ollectors name?		Yes Yes				
	reservation		103				
	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multiphas	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
	does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	mples required to get sent to a subcontract laborato	ary)	No				
	subcontract laboratory specified by the client and i	•		Subcontract Lab	·NA		
		1 50 WHO.	1171	Subcontract Lab	, 11/1		
Client In	struction						

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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## **Sample Summary**

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	В. (1
l	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 4'	E310215-01A	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 2:11:18PM

#### PH03 4' E310215-01

		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	l	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	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	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		Analyst: RKS		Batch: 2343025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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		Analyst:	KM		Batch: 2343042
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/24/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	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:	RAS		Batch: 2343072
Chloride	489	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 2:11:18PM

Volatile Organic Compounds by EPA 8260B Analyst: RKS

	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: 1	0/23/23 Aı	nalyzed: 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			
	0.170		*****				D 1.1	0/22/22	-11. 10/05/02
LCS (2343025-BS1)							Prepared: 1	U/23/23 A1	nalyzed: 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: 1	0/23/23 Aı	nalyzed: 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: 1	0/23/23 A1	nalyzed: 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			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 2:11:18PM

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 (2343025-BLK1)							Prepared: 10	0/23/23 A	nalyzed: 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	)/23/23 A	nalyzed: 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 A	nalyzed: 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 A	nalyzed: 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			
Surrogate: Toluene-d8	0.502		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 2:11:18PM

Carlsbad NM, 88220		Project Manager	r: Gı	lbert Moreno				10	0/27/2023 2:11:18PN	
	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 Ana	alyzed: 10/24/23	
Diesel Range Organics (C10-C28)	ND	25.0								
il 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 Ana	alyzed: 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 Ana	alyzed: 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 Ana	alyzed: 10/24/23	
Diesel 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				



WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		DX 16 #009 1058-0007					Rej	ported:
Carlsbad NM, 88220		Project Manager:						10/27/202	3 2:11:18PM	
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analys	t: 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	Analyzed:	10/26/23
Chloride	ND	20.0								
LCS (2343072-BS1)							Prepared: 1	0/25/23	Analyzed:	10/26/23
Chloride	247	20.0	250		98.9	90-110				
Matrix Spike (2343072-MS1)				Source:	E310202-0	)1	Prepared: 1	0/25/23	Analyzed:	10/26/23
Chloride	364	20.0	250	96.3	107	80-120				
Matrix Spike Dup (2343072-MSD1)				Source:	E310202-0	)1	Prepared: 1	0/25/23	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	
١	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 II	nformatio	n					Chain o	f Cus	stody	•												Pa
Client: W	/PX Energ	v Permia	n, LLC.			Bill To		г—		La	b Us	e On	lv	<del></del>	Т			TAT	•		FPA	Program
Project:	RDX 16#0	09			Att	tention: Jim Raley		Lab	WOR	4		lob l	Vum	ber	٦,	ID :	2D		Stand	ard	CWA	
Project N	Aanager: (	Silbert M	oreno		Ad	ldress: 5315 Buena Vista Dr.		ES	310	215	5	Ola	58	<u> </u>	フト				5 day			+
	13000 W				Cit	y, State, Zip: Carlsbad, NM, 882	20							d Met								RCRA
City, Sta	te, Zip_Od	essa,TX,	79765		Ph	one: 575-885-7502									П				$\neg$ _			
	32-541-77				Em	nall: jim.raley@dvn.com		]	8015				ı		- [		1	1			State	
tmail: D	evon-tean	n@etech	env.com			O: 21191055		]	E						- 1				NN	CO	UT A	Z TX
						tident ID: nAPP2322658221,			/080				ا ؞									
Collecte	d by: Edyte	e Konan			I I I NA	APP2317840368			/DRO	1208	9921	g	900			Ž		*				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO <b>by</b> 8015	BTEX by 8021	VOC 5y 8260	Metals 6010	Chloride 300.0			ВСБОС		SBOC			Remark	CS.
10:10	10.19.23	s	1			PH03	1	4'								×						
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						10/20/2023					_			$\top$			1	十				
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Addition	nal Instruc	tions:	l	<u> </u>					<b>!</b> !	1		1		i					L			
					ample. I am awar	re that tempering with or intentionally misla m. Sampled by: GM	belling the samp	le loca	tion,												y they are sa	
	ed by: (Signa		Date		Time	Received by: (Signature) MICHELLE GONZALES	Date 10-20-2		Time	)45		Paca	head	on ice			b Us	e Only	,			
Relinguish	ed by: (Stern	nzale.			Time 1700	Received by: (Signature)	Date - 10.23.		Time	15		T1	iveu	On ice	#: (	<i>'</i>	/ N		T-1			
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Sample Mai					<u> </u>	<del></del>	Container															



envirotech

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
	<del></del>						
Phone:	(539) 573-4018	Date Logged In:	10/23/23 12:3			Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 17:0	00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes		<del></del>		
5. Were a	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted i					Comment	s/Resolution
	i.e, 15 minute hold time, are not included in this disucssi	on.		Г		Comment	3/1C301U11011
	Furn Around Time (TAT)		<b>V</b>				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample 6			Van				
	sample cooler received? was cooler received in good condition?		Yes				
•	<del>-</del>		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				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling		Yes				
13. If no	visible ice, record the temperature.  Actual sample	e temperature: 4°0	<u>C</u>				
Sample (	Container_						
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	a trip blank (TB) included for VOC analyses?		NA				
18. Are r	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum infe	ormation:					
	ample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	_			
	Preservation		Yes				
	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				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	s, does the COC specify which phase(s) is to be anal		NA				
		,	11//				
	ract Laboratory	9	NI.				
	amples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and it	-	No NA Si	-l 4 4 T -l	NI A		
		1 SO WIIO:	NA SI	ubcontract Lab:	NA		
Client I	<u>nstruction</u>						

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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**

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 10:15

Client Sample ID	Lab Sample ID M	Iatrix Sampleo	l Received	Container
PH04 0.5'	E310204-01A	Soil 10/19/2	3 10/23/23	Glass Jar, 2 oz.
PH04 4'	E310204-02A	Soil 10/19/2	3 10/23/23	Glass Jar, 2 oz.
PH05 0.5'	E310204-03A	Soil 10/19/2	3 10/23/23	Glass Jar, 2 oz.
PH05 4'	E310204-04A	Soil 10/19/2	3 10/23/23	Glass Jar, 2 oz.
PH06 0.5'	E310204-05A	Soil 10/19/2	3 10/23/23	Glass Jar, 2 oz.
PH06 4'	E310204-06A	Soil 10/19/2	3 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	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		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	A	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		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	A	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	A	Analyst:	RAS		Batch: 2343043
Chloride	25200	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

### PH04 4' E310204-02

Dogult			tion D	luomana d	Amalagrad	Notes
Resuit	Limit	Dilu	uon P	repared	Anaiyzed	Notes
mg/kg	mg/kg	1	Analyst: RKS	}		Batch: 2343024
ND	0.0250	1	. 1	0/23/23	10/25/23	
ND	0.0250	1	. 1	0/23/23	10/25/23	
ND	0.0250	1	. 1	0/23/23	10/25/23	
ND	0.0250	1	. 1	0/23/23	10/25/23	
ND	0.0500	1	. 1	0/23/23	10/25/23	
ND	0.0250	1	. 1	0/23/23	10/25/23	
	99.0 %	70-130	1	0/23/23	10/25/23	
	102 %	70-130	1	0/23/23	10/25/23	
	110 %	70-130	I	0/23/23	10/25/23	
mg/kg	mg/kg	1	Analyst: RKS			Batch: 2343024
ND	20.0	1	. 1	0/23/23	10/25/23	
	99.0 %	70-130	1	0/23/23	10/25/23	
	102 %	70-130	1	0/23/23	10/25/23	
	110 %	70-130	I	0/23/23	10/25/23	
mg/kg	mg/kg	1	Analyst: KM			Batch: 2343027
ND	25.0	1	. 1	0/23/23	10/24/23	
ND	50.0	1		0/23/23	10/24/23	
	87.3 %	50-200	1	0/23/23	10/24/23	
mg/kg	mg/kg	1	Analyst: RAS	<u> </u>		Batch: 2343043
1620	40.0	2	. 1	0/24/23	10/24/23	
	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           99.0 %         102 %           110 %         mg/kg           ND         20.0           99.0 %         102 %           110 %         110 %           mg/kg         mg/kg           ND         25.0           ND         50.0           87.3 %         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           102 %         70-130           110 %         70-130           110 %         70-130           102 %         70-130           102 %         70-130           110 %         70-130           mg/kg         mg/kg           ND         25.0         1           ND         50.0         1           87.3 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution         F           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         1           ND         0.0250         1         1           ND         0.0250         1         1           ND         0.0500         1         1           ND         0.0250         1         1           ND         0.0250         1         1           102 %         70-130         1         1           102 %         70-130         1         1           110 %         70-130         1         1           102 %         70-130         1         1           102 %         70-130         1         1           100 %         70-130         1         1           100 %         70-130         1         1           100 %         70-130         1         1           100 %         70-130         1         1           10 %         70-130         1         1           10 %         70-130         1         1           10 %         70-130         1         1 <td>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         0.0250         1         10/23/23           ND         0.0500         1         10/23/23           ND         0.0250         1         10/23/23           ND         70-130         10/23/23           102 %         70-130         10/23/23           110 %         70-130         10/23/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/23/23           102 %         70-130         10/23/23           110 %         70-130         10/23/23           110 %         70-130         10/23/23           110 %         70-130         10/23/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         10/23/23           ND         50.0         1         10/23/23           87.3 %</td> <td>Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           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           102 %         70-130         10/23/23         10/25/23           110 %         70-130         10/23/23         10/25/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         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           mg/kg         mg/kg&lt;</td>	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         0.0250         1         10/23/23           ND         0.0500         1         10/23/23           ND         0.0250         1         10/23/23           ND         70-130         10/23/23           102 %         70-130         10/23/23           110 %         70-130         10/23/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/23/23           102 %         70-130         10/23/23           110 %         70-130         10/23/23           110 %         70-130         10/23/23           110 %         70-130         10/23/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         10/23/23           ND         50.0         1         10/23/23           87.3 %	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           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           102 %         70-130         10/23/23         10/25/23           110 %         70-130         10/23/23         10/25/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         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           mg/kg         mg/kg<



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	I	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		98.7 %	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	A	Analyst: RKS			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	A	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		86.9 %	50-200		10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst:	RAS		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

		201020.0.					
Analyte	Result	Reporting Limit		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		100 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	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		100 %	70-130		10/23/23	10/25/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	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	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0		1	10/23/23	10/24/23	
Surrogate: n-Nonane		88.4 %	50-200	·	10/23/23	10/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2343043
Chloride	155	20.0		1	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

### PH06 0.5' E310204-05

		2010201 00				
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	g 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		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

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2343024
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		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		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		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: 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	7/2023 10:15:36A		
	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: 1							yzed: 10/25/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 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 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					
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:	E310202-	0/23/23 Anal	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					
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					
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 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					



0.500

0.500

98.3

108

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.492

0.541

Surrogate: Toluene-d8

# **QC Summary Data**

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno10/27/2023 10:15:36AM

Nonhalogenated	Organics	by EPA	8015D - 0	GRO
Tommanogenatea	O' Sames	DJ LIII	OUISD	3110

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

	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70		notes
Blank (2343024-BLK1)							Prepared: 1	0/23/23	Analyzed:	0/25/23
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:	0/25/23
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:	0/25/23
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:	0/25/23
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				

0.500

0.557

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 Manage	r: Gi	lbert Moreno	1			10/	2//2023 10:15:36A
	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 Ana	lyzed: 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 Ana	lyzed: 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 Ana	lyzed: 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 Ana	lyzed: 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			



### **QC Summary Data**

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Rep	orted:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		1058-0007 ilbert Moreno					10/27/2023	10:15:36AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analys	:: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2343043-BLK1)							Prepared:	10/24/23	Analyzed:	10/24/23
Chloride	ND	20.0								
LCS (2343043-BS1)							Prepared:	10/24/23	Analyzed:	10/24/23
Chloride	230	20.0	250		92.1	90-110				
Matrix Spike (2343043-MS1)				Source:	E310238-	03	Prepared:	10/24/23	Analyzed:	10/24/23
Chloride	743	200	250	542	80.4	80-120				
Matrix Spike Dup (2343043-MSD1)				Source:	E310238-0	03	Prepared:	10/24/23	Analyzed:	10/24/23
Chloride	728	200	250	542	74.1	80-120	2.13	20		M2

#### 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.



Project Ir	nformatio	n					Chain o	f Cu	stody	•												P
Client: W	/PX Energ	v Permiz	n. IIC.		<del>-                                    </del>	Bill To		Γ		ı.	ah III	se Or	nlv		_				AT		EPA P	rogram
	RDX 16 #0		,		Atta	ention: Jim Raley		1	WO				Num	her		1D	2D	3D	-	andard	CWA	SDWA
	Aanager:		foreno			ress: 5315 Buena Vista Dr.		E	<b>Ž</b> in	<b>"</b> 201	L	70	77	· CX			<del></del>	-		TAT yel		
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Collecte	d by: Edyt	e Konan			1 1	PP2317840368			0/000/	1 g	8	9	3000			ž		¥				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			86000		SDOC			Remark	\$
10:20	10.19.23	S	1			PHO4	1	0.5	Ť	Ī		Ī				X						
10:30	10.19.23	S	1			PH04	2	4'								x						
10:40	10.19.23	s	1		· · · · · · · · · · · · · · · · · · ·	PHOS	3	0.5'								x						
10:50	10.19.23	s	1			PH05	4	4'								x						
11:00	10.19.23	S	1			PH06	5	0.5'								х						
11:10	10.19.23	s	1			PH06	9	4'								x						
						10/20/2023																
Addition	nal Instru	ctions:																				
					ample. I am aware	that tampering with or intentionally mislable.  Sampled by: GM	elling the samp	e loca	ation,					-						an ice the day on 6°C an sub		
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envirotech

Printed: 10/23/2023 12:45:33PM

### **Envirotech Analytical Laboratory**

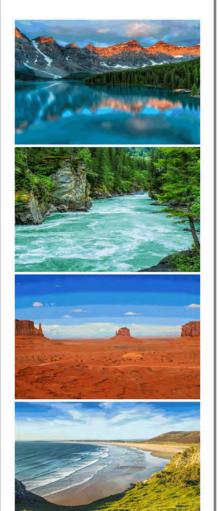
Sample Receipt Checklist (SRC)

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	8:15		Work Order ID:	E310204
Phone:	(539) 573-4018	Date Logged In:	10/23/23 09	9:14		Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 1	7:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma imples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, reque		Yes Yes Yes Yes	Carrier: <u>C</u>	Courier		
	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	n the field,	Yes			<u>Comment</u>	s/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			105				
	ample cooler received?		Yes				
	vas cooler received in good condition?		Yes				
9. Was the	sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
	trip blank (TB) included for VOC analyses?	ก	NA				
	on-VOC samples collected in the correct containers		Yes				
	ppropriate volume/weight or number of sample contain	ners conected?	Yes				
	er ield sample labels filled out with the minimum info mple ID?	ormation:	Yes				
	ate/Time Collected?  ollectors name?		Yes Yes	L			
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontra	act Laboratory						
28. Are sa	mples required to get sent to a subcontract laborato subcontract laboratory specified by the client and i	•	No NA	Subcontract Lab	·NA		
Client In							
Chent III	sti uction						

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: 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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# **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	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

		E510200-02				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Result	Limit	Diluti	on riepared	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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		98.7 %	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	A	nalyst: 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		98.7 %	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	A	nalyst: 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		90.9 %	50-200	10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2343072
Chloride	28.5	20.0	1	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 2:07:32PM

	V/	olatile Organ	ic Compo	unde by Fl	PA 82601	R			A I A DIVO
		mathe Organ	ic Compo		1 /1 04001	<u> </u>			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 Anal	yzed: 10/25/23
Benzene	ND	0.0250					1	•	,
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		0.500		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: 10	0/23/23 Anal	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: 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

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 Moreno10/27/20232:07:32PM

		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: 10	0/23/23 Ana	lyzed: 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	0/23/23 Ana	lyzed: 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:	E310202-0	02	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Matrix Spike (2343024-MS2) Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	Source:	E310202-0	70-130	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
• • • • • • • • • • • • • • • • • • • •	55.7 0.499	20.0	50.0 0.500				Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10)		20.0			111	70-130	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	0.499	20.0	0.500		111 99.8	70-130 70-130	Prepared: 10	0/23/23 Ana	lyzed: 10/25/23
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.499 0.480	20.0	0.500 0.500	ND	99.8 95.9	70-130 70-130 70-130 70-130			lyzed: 10/25/23
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.499 0.480	20.0	0.500 0.500	ND	99.8 95.9 110	70-130 70-130 70-130 70-130			•
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2343024-MSD2)	0.499 0.480 0.552		0.500 0.500 0.500	ND Source:	99.8 95.9 110 E310202-0	70-130 70-130 70-130 70-130	Prepared: 10	0/23/23 Ana	•
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2343024-MSD2) Gasoline Range Organics (C6-C10)	0.499 0.480 0.552		0.500 0.500 0.500	ND Source:	111 99.8 95.9 110 <b>E310202-0</b>	70-130 70-130 70-130 70-130 <b>70-</b> 130	Prepared: 10	0/23/23 Ana	•



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 2:07:32PM

Carlsbad NM, 88220		Project Manager	r: G1	lbert Moreno					10/2//2023 2:0/: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 A	nalyzed: 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 A	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 A	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 A	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			

# **QC Summary Data**

WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		.058-0007 ilbert Moreno					10/27/2023 2:07:32PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (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 14:07

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.



Relea		_	
ised to	Project Ir	formatio	'n
7	Client: W	PX Energ	ζY
2	Project: I		
9.	Project N		_
9		13000 W	
w		e, Zip_O	
9		32-541-7	
20	Email: De		_
24			_
4			
3	Collected	by: Edy	te
92	Time	Date	Γ

**Chain of Custody** 

Page 1	of	1	
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Client: W	PX Energ	y Permiai	n, LLC.			Bill To		Ι		L	ab U	se On	ily		_			T	AT		EPA P	rogram
Project: F	RDX 16 #0	09				Attention: Jim Raley		Lab	WO#			Job		ber		1D	2D	3D	St	andard	CWA	SDWA
Project N	lanager:	Gilbert M	oreno	<del></del>		Address: 5315 Buena Vista Dr.		F	WO#	09	K	00	58	000	71				50	day TAT		
Address:	13000 W	County R	Rd 100			City, State, Zip: Carlsbad, NM, 882	20		· · · ·					nd Me	_	·	·······					RCRA
City, Stat	e, Zip_Oc	lessa,TX,	79765	*		Phone: 575-885-7502		<del>                                     </del>			Г							Г				
Phone: 8						Email: jim.raley@dvn.com		1	55		ı										State	
Email: De	von-tear	n@etech	env.con	)		WO: 21191055			2						I					NM CO	UT AZ	TX
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Collected	by: Edyt	e Konan				104.72527040500		3	Ø,	, 8021	28	8 8	900					ב		×		
Time Sampled	Date Sempled	Matrix	No. of Containers	Sample II	<b>)</b>		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO <b>by</b> 8015	А хэтв	VOC by 8260	Metals 6010	Chloride 300.D			верос		2005			Remarks	
11:20	10.19.23	s	1			PH07		0.5'								×						
11:30	10.19.23	s	1			PH07	2	4'								X		_				
						_								7	7							
												7	1									
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Addition	al Instruc	tions:		.1							L	LL			L	L			1			
						aware that tempering with or intentionally misfel action. Sampled by: GM	pelling the samp	le loca	tion.			1								on ice the day on 6 °C on sub	they are samp	sed or
date or time of collection is considered fraud and may be grounds for legal action.  Relinquished by: (Signature)  Date  10/28/23  10:45  Michelle Gonzales						Date 10-20	-23	Time	104	45	Rece	ived	on ic	۰		b Us	e On	ly		<del></del>		
Relinquished by: (Signature)  Michelle Gonzales 10-20-23 1700 Certificature)					Date /0.23	23	Time	:15		T1		· • • • • • • • • • • • • • • • • • • •	••	>> T2	,, ,,			T3				
Relinquished by: (Signature)  Date  Time  Received by: (Signature)					Date		Time				Terr	p°C		<u></u> -				<del> </del>		Ī		
Samole Mare	h: 5. Cal C	l - Saliel Co -	Studen A -	Aqueous, O · (	L Other		Container	Type	: 12 - 0	lass	_		_		amb	er o	ase 14	- 70	Δ			
						ss other arrangements are made. Hazardou														t for the an	alvsis of the	above
						ory with this COC. The liability of the laborat																



envirotech

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)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	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 i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample C		<u> </u>	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	ners conceted:	103			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	omination.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	reservation_					
21. Does	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 r	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborate	nrv?	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
				Successful Euro I II I		
Chefit II	<u>struction</u>					

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

WPX Energy - Carlsbad

Project Name: RDX 16 #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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#### **Sample Summary**

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda
١	5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
l	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'	F310207-06A 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

D 1:	Reporting	D.1 .:			N.
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: RKS		Batch: 2343025
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	
	101 %	70-130	10/23/23	10/25/23	
	99.8 %	70-130	10/23/23	10/25/23	
mg/kg	mg/kg	A	nalyst: RKS		Batch: 2343025
ND	20.0	1	10/23/23	10/25/23	
	102 %	70-130	10/23/23	10/25/23	
	101 %	70-130	10/23/23	10/25/23	
	99.8 %	70-130	10/23/23	10/25/23	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2343027
ND	25.0	1	10/23/23	10/25/23	<u> </u>
ND	50.0	1	10/23/23	10/25/23	
	87.9 %	50-200	10/23/23	10/25/23	
mg/kg	mg/kg	A	nalyst: RAS		Batch: 2343072
259	20.0	1	10/25/23	10/26/23	
	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           IO         0.0250           IO         0.0250           IO         89.8 %           mg/kg         mg/kg           ND         20.0           IO         0.0           IO         99.8 %           mg/kg         mg/kg           ND         25.0           ND         50.0           87.9 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           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           ND         70-130         1           101%         70-130         70-130           mg/kg         mg/kg         A           ND         20.0         1           102%         70-130         1           99.8%         70-130         1           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           87.9%         50-200           mg/kg         mg/kg         A	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           102 %         70-130         10/23/23           101 %         70-130         10/23/23           99.8 %         70-130         10/23/23           102 %         70-130         10/23/23           101 %         70-130         10/23/23           101 %         70-130         10/23/23           101 %         70-130         10/23/23           101 %         70-130         10/23/23           102 %         70-130         10/23/23           102 %         70-130         10/23/23           102 %         70-130         10/23/23           102 %         70-130         10/23/23           102 %         70-130         10/23/23 </td <td>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         0.0500         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           101%         70-130         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           mg/kg</td>	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         0.0500         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           101%         70-130         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           101%         70-130         10/23/23         10/25/23           mg/kg



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

Analyte	Result	Reporting Limit		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: R	KS		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					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Din	ation	Trepared	Anaryzed	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	
p-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		98.4 %	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		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		98.4 %	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		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		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
Chloride	24.7	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 0.5' E310207-05

Analyte	Result	Reporting Limit		ıtion	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	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		Analyst:	RKS		Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	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		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		91.3 %	50-200		10/23/23	10/25/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2343072
Chloride	157	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

#### PH10 1' E310207-06

	_	Reporting	_				
Analyte	Result	Limit	Dilı	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		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		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

Carisbad 1414, 00220		1 Toject Wianage	01						
	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 (2343025-BLK1)							Prepared: 1	0/23/23 Ana	alyzed: 10/25/23
Benzene	ND	0.0250					1		
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 Ana	alyzed: 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 Ana	alyzed: 10/25/23
Benzene	2.38	0.0250	2.50	ND	95.0	48-131	1		
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 Ana	alyzed: 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

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

Nonhalogenated Organics	by EPA 8015D - GRO
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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	LIIIII	Level	Result	Rec	Limits	KrD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2343025-BLK1)							Prepared: 10	0/23/23 A	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: 10	0/23/23 A	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:	E310207-0	01	Prepared: 10	0/23/23 A	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:	E310207-0	01	Prepared: 10	0/23/23 A	Analyzed: 10/25/23
							2.25		
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.35	20	
Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	51.5 0.519	20.0	50.0 0.500	ND	103	70-130 70-130	3.33	20	
		20.0		ND			3.35	20	



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 Manager	r: G1	lbert Moreno					10/2//2023 2:05:24P
	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
Diesel 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			
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			
urrogate: 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			
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
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			

Chloride

### **QC Summary Data**

WPX Energy - Carlsbad 5315 Buena Vista Dr		Project Name: Project Number:		OX 16 #009 058-0007					Reported	l:
Carlsbad NM, 88220		Project Manager		lbert Moreno					10/27/2023 2:0	5:24PM
		Anions	by EPA 3	00.0/9056	4				Analyst: RAS	S
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Note	s
Blank (2343072-BLK1)							Prepared: 1	0/25/23	Analyzed: 10/26	5/23
Chloride	ND	20.0								
LCS (2343072-BS1)							Prepared: 1	0/25/23	Analyzed: 10/26	5/23
Chloride	247	20.0	250		98.9	90-110				
Matrix Spike (2343072-MS1)				Source:	E310202-	01	Prepared: 1	0/25/23	Analyzed: 10/26	5/23
Chloride	364	20.0	250	96.3	107	80-120				
Matrix Spike Dup (2343072-MSD1)				Source:	E310202-	01	Prepared: 1	0/25/23	Analyzed: 10/26	5/23

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 14:05

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.



Released	Project Ir	nformatio	ก
7			
7	Client: W		
100	Project: I	RDX 16#0	Ю
₫.	Project N	Aanager:	G
9	Address:	13000 W	(
3	City, Stat	e, Zip_O	le
3	Phone: 8	32-541-7	7:
Š	Email: Do	evon-tear	n
4			_
•			
3	Collected	by: Edyt	e
9	Time	Date	Γ
P	Sampled	Sampled	
			-

Chain of Custody

Page	1	of	_ 1	

Client: W	/PX Energ	y Permia	n, U.C.			Bill To		T			ab U	se O	nly		Т		T	AT		EPA	rogram
	RDX 16 #0				—     <sub>7</sub>	Attention: Jim Raley		lab	WO			Job Number		10				tandard	CWA	SDWA	
Project N	Manager:	Gilbert N	foreno			Address: 5315 Buena Vista Dr.		F?	310	20	$\Gamma$ C			1000-1		+	1		day TAT		1
Address:	13000 W	County	Rd 100			City, State, Zip: Carlsbad, NM, 88	220					_		nd Metho	d				<u> </u>		RCRA
City, Star	te, Zip_O	lessa,TX,	79765		<del></del>	Phone: 575-885-7502		1	T			Π	T			Т	T	T	1		1
Phone: 8	32-541-7	719				mail: jim.raley@dvn.com		1	5	1	1	1	1	l 1	1		1	1		State	
Email: D	evon-tear	n@etech	env.com			VO: 21191055		1	å å			l	l		l		l	ŀ	NM CO	UT AZ	TX
						ncident ID: nAPP2322658221.		1	ğ		1				1						
C-11		w				APP2317840368		l	ő	z =	9		8		Z	İ	¥				
	d by: Edyt	e Konan		· · · · · ·	<u>i.l.</u>			1 2	ğ	7 8021	Ž	8	R		1		1	l			
Time Sampled	Date Sampled	Matrix	the of Corceines	Sample IC	)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BITEX by	VOC by 8260	Metals 6010	Chloride		86000		ğ			Remark	5
11:40	10.19.23	S	1			PH08	1	0.5'							×						
11:50	10.19.23	S	1			РН08	2	1'							×						
12:00	10.19.23	S	1			РН09	3	0.5							×						
12:10	10.19.23	S	1			PH09_	4	1'							x						
12:20	10.19.23	S	1			PH10	5	0.5							×						
12:30	10.19.23	S	1			PH10	0	1'							×						
																T					
						10/20/2023															
Addition	nal Instru	ctions:																			
1					ample. I am av ids for legal ac	vare that tampering with or intentionally misli ion. <u>Sampled by: GM</u>	belling the samp	ole loca	tion,										d on ice the day ran 6°C on sub		
-74	ed by: (Sign		Data D1	20/23	[0:45	- Received by: (Signature) MICHELLE GONZALES	Date 10-20-			045		Rec	elvec	on ice:		ab U	se Or	nly			
Relinquished by: (Signature)  Michelle Gonzale: 10-20-23 1700			Received by: (5) fruiture)	10.23.2	23	8;	15	_	ת			77			T3						
Relinquish	ed by: (Sign	sture)	Date		Time	Received by: (Signature)	Date		Time			AVC	Ten	np°C	4						
				Aqueous, O · (			Containe	Туре	: g - g	glass,	<b>p</b> - p	oly/p	lasti	, ag - am	er e	lass.	v - VC	)A			
Note: Sam	ples are disc	arded 30 d	lays after re	sults are rep	ported unless	other arrangements are made. Hazardo	us samples wil	l be re	turne	d to c	lient a	r disp	osed	of at the cli	ent e	xpens	e. The	: геро	rt for the an	alysis of th	ne above
samples is	applicable o	only to thos	ie samples	received by	the laborator	y with this COC. The liability of the labora	tory is limited	to the	amou	unt pa	id for	on th	e repo	ort.							



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	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)						
	the sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	on the coc	Yes Yes	a : 6			
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	ourier		
	Il samples received within holding time?	ted analyses:	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		103	•		Comment	ts/Resolution
Sample 1	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	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 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				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contains		Yes				
Field Lal		ers conected?	105				
	field sample labels filled out with the minimum info	rmation					
	ample ID?	imation.	Yes				
	Pate/Time Collected?		Yes				
C	follectors name?		Yes				
Sample I	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	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborator	n/9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	. NI A		
		30 WIIO:	1421	Subcontract Lau	, NA		
Client II	<u>nstruction</u>						

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.

Protect (59) 571-4018 Date Legged In Court (59) 571-4018 Legged In My Curitin Mark (50) 571-4018 Date Legged In My Curitin Mark (50) 571-4018 Date Legged In My Curitin Mark (50) 571-571 17801 (d day TAT)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling side location match the COC Yee Cartice Courter (50) 571-571 (day TAT)  3. Were samples copied 10 by client or curitie? 4. Was the COC complete. i.e., signatures, datasetimes, requested analyses (70) 572 Were all samples received within bolding time?  4. Was the COC complete. i.e., signatures, datasetimes, requested analyses (70) 572 Were all samples received within bolding time?  5. Sample Four Courter (11) 572 Were all samples received within bolding time?  5. Dott the COC indicate standard TAT, or Expedited 1A17  5. Was a sample cooler received? 5. Were conside/security sands present? 6. And Complete security security of sands of samples to received with 15 sands of samples of sands of samples to received with 15 sands of samples of samples to received with 15 sands of samples were preserved? 7. No. Samples required to get act or a subcontract laboratory 7. Samples required to get act or a subcontract laboratory? 8. No. Subcontract Laboratory 8. Subcontract Labor	Client:	WPX Energy - Carlsbad	Date Received:	10/23/23	08:15		Work Order ID:	E310207
Elizabi. de Grout-tamé@innoluais.com  Due Date: 1072723 17/00 (4 day TAT)  Li Deas the sample ID match the COC? 2 Yes 2 Comments of samples per sampling site location match the COC 3 Were samples dropped of the yelient or entrier? 4 Was the COC complete; i.e., signature, distrets, interest, interest, conjugated analyses? 5 Were all samples received within holding time? 7 Nex a sample correctived? 8 New Entries and Tarte (TAT) 8 As a sample to COC andisens standard TAT; or Expediced TAT? 9 Was a family back of the without be conducted in the field, sample Turn Around Time (TAT) 9 Was the sample (the COC) and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to COC and sample to		<del>-</del> '						
Chain of Contolex (COC)  1. Does the sample ID match the COC?  2. Does the number of samples per sampling site location match the COC  3. Were analyse apped off by elicitor or carrier?  4. Was the COC complete, i.e., signatures, dates/elines, requented analyses?  5. Were all samples received within bioditing time?  5. Were all samples received within bioditing time?  5. Were all samples received within bioditing time?  5. On the COC induces tending the sample and the flood.  5. It is formed Time (TAT)  6. Of the COC induces tendendy TAT, or Espedited TAT?  5. If yes, was conder received in good condition?  7. Yes  8. If yes, was conder received in good condition?  9. Wes the sample? received missed present?  10. Were controlly-formered missed, i.e., not broken?  11. If yes, were condy-foreutry seals insue?  12. Was the sample received on itse? If yes, the recorded tump in PC, i.e., 6*12°C  5. West be sampled to receive a seal of the samples are received in some copacific disamples are received in some copa							Logged In By:	Caitlin Mars
L Does the sample for Samples per sampling site location match the COC 3. Were samples dropped off by elient or carrier? 4. Was the COC complete, i.e., signatures, dates white, requested analyses? 5. Were all samples received within bothing time? 5. Sample Cooler 7. Were all samples received within bothing time? 5. Sample Cooler 7. Were all samples received in good condition? 6. If yes, was cooler received in good condition? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 7. Was a sample proceived in tast, i.e., not broken? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample received in good condition? 7. We should be sample solved in good condition? 7. We should be sample solved in good condition? 7. We should be sample solved in good condition? 7. We should be sample solved in good condition? 7. We should be sample solved in good condition? 7. We should be sample solved in good condition? 7. We should be s	Eman:	devon-team@ensotum.com	Due Date:	10/27/23	17:00 (4 day 1A1)			
L Does for sample. ID match the COC.  3. Were samples dropped off by elient or carrier?  4. Was the COC complete, i.e., signatures, dates whites, requested analyses?  4. Was the COC complete, i.e., signatures, dates whites, requested analyses?  5. Were all samples received within bothing time?  6. Were all samples received within bothing time?  7. Were all samples received within bothing time?  7. Were all samples received within bothing time?  8. Sample Cooler  7. Were all samples received within bothing time?  8. If yes, was cooler received in good condition?  9. Was a sample cooler received in good condition?  10. Were custody/security seals present?  10. Were custody/security seals present?  10. Were custody/security seals present?  11. If yes, were casely/security seals present?  12. Was the sample received on any? If yes, the received samp is 4°C, i.e., 6°12°C  Note. Therap preservation is not required, if samples are received with 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  8. Sample Constitute.  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  16. Is the head space sets thin 6.8 must hear of sample continence of samples and the context of the sample sects with of the context containents?  17. Was a trip blank (IB) included for VOC analyses?  18. Are non-VOC samples collected in VOA Vials?  19. It is apportate collected of VOA vials?  19. It is apportate collected of VOA vials?  10. Were field sample labels filled out with the minimum information.  8. Sample ID?  10. Were field sample labels filled out with the minimum information.  8. Sample ID?  10. Were field sample labels filled on the samples were preserved?  10. Were field sample labels filled on the samples were preserved?  11. Was a trip blank (COC preciped where the number of sample continence sollected?  12. Are sampled to COC specify which plane(s) is to be analyzed?  13. If Vox. Most of COC specify which plane(s) is to be analyzed?  14. Subcontract La	Chain of	Custody (COC)						
2. Does the number of samples per sampling site location match the COC yes and were supplied site location or carrier?  4. Was the COC complete, i.e., signatures, datestimes, requested analyses?  5. Were all samples received within holding sime.  6. Lis. Is finite hold time, are one intelled in the field, i.e. Is finite hold time, are one intelled in the fine season.  5. More all samples received within holding sime.  6. Did the COC indicate standard TAT, or Expedited TAT?  7. Was a sample cooler received?  7. Was a sample cooler received in good condition?  8. Tyes, was cost only season intelled.  9. Was the sample received in season from conditions.  9. Was the sample received in season from the season of required, if samples are received with 15 minutes of sampling.  13. If no visible ion, record the temperature.  14. Are augueous VOC samples present?  14. Are augueous VOC samples present?  15. Are VOC samples collected in VOA vila?  16. Sample Container  17. Was a stay blank (TB) included for VOC analyses?  18. Are no-VOC samples collected in VOA vila?  19. In the appropriate volume-veight or number of sample containers?  19. In the appropriate volume-veight or number of sample containers?  19. In the appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate volume-veight or number of sample containers?  19. The appropriate v				Yes				
3. Were sumples dropped off by client or carrier?  4. Wer the CoCC completes, L., a. signature, datesetimens, requested analyses?  5. Were all samples received within holding time?  5. Were all samples received within holding time?  6. Det the COC indicate standard TAT, or Expectited TAT?  7. Wes  5. Samula Frant Award Time (TAS)  6. Det the COC indicate standard TAT, or Expectited TAT?  8. If yes, was cooler received in good condition?  9. Was the samples proceeded intext, Le, not broken?  10. Were custody/security seals intated?  11. If yes, were custody/security seals intated?  12. Was the sample preceived on left If yes, the recorded temp is 4°C, Le, 6°4.2°C  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  14. Are aqueous VOC samples collected in VOA visib?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a risible passed collected in VOA visib?  18. Are NOC samples collected in VOA visib?  18. Are non-VOC samples collected in the convext containers?  19. Is the appropriate volume-weight or number of sample containers collected?  19. Is the suppropriate volume-weight or number of sample containers collected?  19. Is the suppropriate volume-weight or number of sample containers collected?  19. Is the suppropriate volume-weight or number of sample containers collected?  19. It is sample labels filled out with the minimum information.  19. Sample ID:  10. Description of the convext containers of the convext containers of the convext containers of the convext containers of the convext containers of the convext containers of the convext containers of the convext containers of the convex of the convext containers of the convext containers of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the convex of the		=	ch the COC					
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5. Ween all samples received within holding time? Note Ar-Anybis, such may live should be conducted in the field, is, 15 minute hold time, are not included in this discussion.  Samule Furn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT?  7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 9. Was the samplest y neceived fined, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received min in oir 21/yes, the recorded tump in 4°C, i.e., 6°27°C Note. The transplacements in size required if samples are received wis 15 minutes of sampling 13. If no visible ice, received the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples collected in VOA Valas? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a right bank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the tour cut containers? 19. Is the appropriate volume/weight or number of sample containers collected? 29. Is the appropriate volume/weight or number of sample containers? 29. Is the appropriate volume/weight or number of sample containers? 30. It is the appropriate volume/weight or number of sample containers? 31. It is the appropriate volume/weight or number of sample containers? 32. Are samples received and or required affect dissolved metals? 33. Are noted to required affect or samples were preserved? 34. As a last infliencial enequired and or required of required of dissolved metals? 34. Are amples required to get sent to a subcontraet laborator? 35. Are samples required to get sent to a subcontraet laborator? 36. Are camples required to get sent to a subcontraet laborator? 37. No. 38. Are amples required to get sent to a subcontraet laborator? 39. Was a subcontract Laboratory specified by the client and if so who? 39. Was a subcontract Laboratory specified by the client and if so who? 30. Are apples required to get sent to a subcontraet laboratory? 3		1 11 7	ted analyses?		Carrier.	<u>Courier</u>		
Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minus bold time, are not included in this discussion.  Sample Turn Around Time (TAT)  8. If yes, was cooler received?  9. Was a sample cooler received in good condition?  11. If yes, were custody/security seals intact?  12. Was the sample cooler neceived in set it.e., not broken?  13. If yes, were custody/security seals intact?  14. Were suitedy/security seals intact?  15. Are VOC samples coollected in VOA Vails?  15. Are VOC samples coollected in VOA Vails?  16. Is the head space less than 6-8 min (peas size for 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 samples continers of the correct containers?  19. Is the appropriate volume/weight or number of samples continers or less of the sample labels filled out with the minimum information:  Sample ID?  Sample Cool correct or requested for dissolved metals?  No.  10. Were field sample labels filled out with the minimum information:  Sample ID?  Sample Drearwation.  21. Does the COC or field labels indicate the samples were preserved?  No.  22. Are samples to preced place for dissolved metals?  No.  Multiphase Sample Matrix.  23. Loss of the COC specify which phase(s) is to be analyzed?  No.  Subcontract Laboratory  24. Subcontract Laboratory  25. Are samples required of get sent to a subcontract laboratory?  No.  Subcontract Laboratory  No.  Subcontract Laboratory  No.  Subcontract Laboratory  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No.  Subcontract Laboratory specified by the client and if so who?  No			ied anaryses.					
Sample Turn Around Time (TAT)  6. Did the COC inclicate standard TAT, or Expedited TAT?  7. Was a sample cooler received?  7. Was a sample cooler received insuct, i.e., not broken?  9. Was the sample(s) received insuct, i.e., not broken?  9. Was the sample received insuct, i.e., not broken?  9. Was the sample received insuct, i.e., not broken?  10. Were custody/security seals insuct?  10. Were custody/security seals insuct?  11. If yes, were custody/security seals insuct?  12. Was the sample received on ince quired, if samples are received wit 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container.  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Visib?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was at ity black (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct container?  19. Is the appropriate volume/weight on number of sample containers collected?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight on number of sample containers collected?  19. Were field sample labels filled out with the minimum information:  Sample ID?  10. Were field sample labels filled out with the minimum information:  10. Sample ID?  11. Does the COC or field labels indicate the samples were preserved?  11. Does the COC or field labels indicate the samples were preserved?  12. Are samples correctly preserved?  13. Are more required and or requested for dissolved metals?  14. Is all filleration required and/or requested for dissolved metals?  15. Are sample sequined to get sent to a subcontract laborator?  16. Does the sample have more than one phase, i.e., multiphase?  17. If yes, does the COC specify which phase(s) is to be analyzed?  18. Are samples required to get sent to a subcontract laborator?  19. No.  10. Subcontract Laborator.  10. Subcontract Laborator.  11. Subcontract Laborator.  12. Were field labels field out with the minimum inf	3. WOIC (	Note: Analysis, such as pH which should be conducted in		103			Commont	s/Desolution
6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the samples preceived intext, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 11. If yes, were custody/security seals intact? 11. If yes, were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sampler received on ice? If yes, the recorded temp is 4°C, i.e., 6°2.2°C Note: Thermal preservation is not required, if samples are received wit 15 intantes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are algoeous VOC samples present? 14. Are algoeous 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? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Torser vortion 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample, or correctly preserved? 23. Las the COC or field sample labels of disast or captured and/or requested for dissolved metals? 24. Is last filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 29. Was a subcontract Laboratory specified by the client and if so who? 30. Subcontract Lab: NA			n.				Comment	<u>s/Resolution</u>
Sample Couler  Ness sample cooler received?  Ness sample cooler received in good condition?  Yes  No sessure sample(s) received intact, i.e., not broken?  No in the sample(s) received intact, i.e., not broken?  No in the sample container custody/security seals intact?  No in the sample received in its intact?  No in the sample received in its intact?  No intact in the sample received in its intact?  No intact in the sample received in its intact?  No intact in the sample received in its intact?  No intact of sampling  No intact of samples collected in VOA Vials?  No intact of samples collected in VOA Vials?  No intact of samples collected in VOA Vials?  No intact of samples collected in the correct containers?  Yes  Is Are non-VOC samples collected in the correct containers?  Yes  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 DP  Date/Time Collected?  Yes  Sample Preservation  No  No  No  No  No  No  No  No  No								
7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody-security seals present? 10. Were custody-security seals intact? 11. If yes, were custody-security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°+2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOC analyses? 16. Is the head space less than 6-8 mm (pea sixed or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples, correctly preserved? 23. Are samples, correctly preserved? 24. Is lab filtention required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, these the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the chent and if so who? 29. Was a subcontract laboratory specified by the chent and if so who? 30. Subcontract Laboratory specified by the chent and if so who? 31. If yes the contract laboratory specified by the chent and if so who? 32. Was a subcontract laboratory specified by the chent and if so who? 33. Subcontract Laboratory specified by the chent and if so who? 34. Subcontract Laboratory specified by the chent and if so who? 35. Subcontract Laboratory spe	6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C. Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling. 13. If no visible ise, record the temperature. Actual sample temperature: 4°C  Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Visis? 16. Is the head space (less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Sample 10? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the Sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC of field labels indicate the samples were preserved? 28. Are sample specified by the client and if so who? 29. Was a subcontract laboratory specified by the client and if so who? 30. Subcontract Laboratory 31. As subcontract Laboratory specified by the client and if so who? 32. Are samples required to get sent to a subcontract laboratory? 33. As subcontract Laboratory 34. Subcontract Laboratory 35. Was a subcontract laboratory specified by the client and if so who? 36. Subcontract Laboratory 37. As a subcontract Laboratory 38. As a subcontract Laboratory								
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10. Were custody/security seals present?  11. If yes, were custody/security seals intact?  11. If yes, were custody/security seals intact?  No No No No No No No No No No No No No	•	<del>-</del>		Yes				
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Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container.  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  NA  16. Is the head space less than 6-8 mm (pea sized or less)?  NA  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/veight or number of sample containers collected?  19. Is the appropriate volume/veight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  Sample Preservation.  21. Does the COC or field labels indicate the samples were preserved?  NA  24. Is lab filteration required and/or requested for dissolved metals?  Multiphase Sample Martix  26. Does the sample have more than one phase, i.e., multiphase?  No  Multiphase Sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcountract laboratory specified by the client and if so who?  No  Client Instruction	11. If yes	s, were custody/security seals intact?		NA				
Sample Container   14. Are aqueous VOC samples present?   No     15. Are VOC samples collected in VOA Vials?   NA     16. Is the head space less than 6-8 mm (pea sized or less)?   NA     17. Was a trip blank (TB) included for VOC analyses?   NA     18. Are non-VOC samples collected in the correct containers?   Yes     19. Is the appropriate volume/weight or number of sample containers collected?   Yes     19. Is the appropriate volume/weight or number of sample containers collected?   Yes     19. Is the appropriate volume/weight or number of sample containers collected?   Yes     19. Is the field sample labels filled out with the minimum information:   Sample ID?   Yes     Date/Time Collected?   Yes     Collectors name?   Yes     Sample Preservation   Yes     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   Yes     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     29. Was a subcontract laboratory specified by the client and if so who?   NA     Subcontract Laboratory   Subcontract Laboratory   No     29. Was a subcontract laboratory specified by the client and if so who?   NA     Subcontract Laboratory   No     Client Instruction   NA		Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15					
14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 15. Are VOC samples collected in VOA Vials? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 25. Sample ID? 26. Date/Time Collected? 27. Collectors name? 27. Are samples field labels indicate the samples were preserved? 28. Are samples occretely preserved? 29. Lose the COC or field labels indicate the samples were preserved? 20. Even the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the Cock of the			temperature: 4°0	<u> </u>				
15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  18. Are non-VOC samples collected for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  3 Sample ID?  Date/Time Collected?  Collectors name?  Yes  Collectors name?  10. Does the COC or field labels indicate the samples were preserved?  No  21. Are sample(s) correctly preserved?  No  Multiphase Sample Matrix  25. Does the sample have more than one phase, i.e., multiphase?  No  Multiphase Sample have more than one phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract laboratory specified by the client and if so who?  Client Instruction								
16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Date/Time Collected?  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors rame?  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Is als filteration required and/or requested for dissolved metals?  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract Laboratory specified by the client and if so who?  No  Client Instruction								
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?  Yes  Field Label.  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  Yes  Collectors name?  Yes  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  22. Are sample(s) correctly preserved?  And  Als lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Martix  26. Does the sample have more than one phase, i.e., multiphase?  No  71. 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?  No  Client Instruction								
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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			eserved?	No				
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29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: NA  Client Instruction								
Client Instruction					Subcontract Lal	b: NA		
	Chent	<u>nstruction</u>						

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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: 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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een: 775 207 1702

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#### **Sample Summary**

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	Reported.
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 13:02

Client Sample ID	Lab Sample ID	Matrix	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				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2346075
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		96.1 %	50-200	11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2346090
Chloride	482	20.0	1	11/16/23	11/16/23	



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 93.6 70-130 5.00 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 Matrix Spike Dup (2346097-MSD1) Source: E311115-22 Prepared: 11/16/23 Analyzed: 11/17/23 5.21 0.0250 5.00 ND 104 54-133 1.82 20 ND 61-133 5.16 0.0250 5.00 103 1.81 20 Ethylbenzene

5.19

5.18

10.5

15.7

8.04

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

104

104

105

104

101

61-130

63-131

63-131

63-131

70-130

2.07

1.91

2.03

1.99

20

20

20

20



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

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		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 Ana	yzed: 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 Ana	yzed: 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	22	Prepared: 1	1/16/23 Ana	yzed: 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	22	Prepared: 1	1/16/23 Ana	yzed: 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 Manager	r: G1	lbert Moreno					11/22/2023 1:02:38PI
	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 A	nalyzed: 11/17/23
iesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.8		50.0		89.7	50-200			
.CS (2346075-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/17/23
riesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
urrogate: n-Nonane	50.2		50.0		100	50-200			
Aatrix Spike (2346075-MS1)				Source:	E311102-2	:7	Prepared: 1	1/16/23 A	nalyzed: 11/17/23
riesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132			
urrogate: n-Nonane	45.0		50.0		90.1	50-200			
Matrix Spike Dup (2346075-MSD1)				Source:	E311102-2	27	Prepared: 1	1/16/23 A	nalyzed: 11/17/23
tiesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	0.202	20	
urrogate: n-Nonane	44.9		50.0		89.8	50-200			

WPX Energy - Carlsbad		Project Name:	R	DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:	04	108-0639					
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					11/22/2023 1:02:38F
		Anions	by EPA 3	600.0/9056 <i>A</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:	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-(	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:	04108-0639	Reported:
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

**Chain of Custody** 

Page \_\_1\_\_ of \_\_1\_\_

04108-0639

Client: W	PX Energy		- 116			Bill To		<del></del>			12	h He	e Or	dv.		Т			T	AT		EPA P	rogram
Project: 5	RDX 16 #0	Permiar	n, ttt.		→ <u> </u>			<del>-  .</del>	ah 1	NO#	La	003	Job		her	一	1D	20	3D		andard	CWA	SDWA
	Aanager: C					ttention: Jim Raley ddress: 5315 Buena Vista Dr.	»	<b></b>	80 Y	ĬĬÖ	12		عند	6	-000				-		day TAT		<del></del>
Address	13000 W	County	0/ 100			ity, State, Zip: Carlsbad, NM, 882	20	-#	J	110	J.				nd Mei			لــــــا	L		T T	-	RCRA
City. Stat	e, Zip_Od	lessa TY	79765			hone: 575-885-7502			Т					3,3 0.		T							
Phone 8	32-541-77	710	73703					$\dashv$	- 1	2						- 1	- 1					State	L
Fmail: De	evon-team	- Octob				mail: jim.raley@dvn.com		-		8						١	- 1				NMI CO	UT AZ	TX
	VOINTEBIL	- imetech	env.com			VO: 21191055				اۋ							ı				- 3	-	
					1 1	ncident ID: nAPP2322658221,		ı	- 1	Ş							-						
Collected	d by: Edyte	e Konan			l l	APP2317840368			_	ТРИ GRO/DRO/ORO № 8015	BTEX by 8021	360	8	Chloride 300.0		- 1	ž		ዾ		<b>.</b>		
Time	Date		No of	T			Lab		差	울	3	à	Metals 6010	å		- 1	ВСВОС		႘			Remarks	
Sampled	Sampled	Matrix	Containers	Sample ID			Numb	er	Depth(ft.)	ž.	<u>E</u>	VOC by 8260	ž	ਲੈ			뗥		GDOC			Kemarks	
10:00	11.09.23	S	1			PHO1			6'								×						
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Addition	nal Instru	ctions:																					
	-			enticity of this si	•	ware that tampering with or intentionally misla ction. <u>Sampled by: GM</u>	belling the	sample	locat	ion,											on ice the day an 6 °C on sub		pied cr
Relinquish	ed by, (Sign	ature)	Dat	10/2023	Time	Received by: (Signature)	Cate	312	3	TG:	00	3	Rec	eive	on ic	e:		b Us		nly	****	***	
Relinquish	ed by: (Sign	ature)	Dat		Time	Received by: (Signature)	Osto			Time			1.					•					
Relinquish	ed by: (Sign	iature)	Dat	te	Time	Received by: (Signature)	Dete			Time	************		11_			_	12			_	<u>T3</u>		
					<u> </u>										np °C_								
Sample Mat	urix: S ~ Soil, f	id - Sobal, Se	j - Sludge, A	- Aqueous, O - (	Other		Contai																
Note Sam	ples are dis	carded 30	days after	results are rep as received by	ported unles the laborate	is other arrangements are made. Hazardo ary with this COC. The liability of the labori	rus sample: atory is lim	s will t ited to	e rei the	turned amou	l to ci nt pa	lient o iid for	or disp on th	e rep	of at the ort.	e che	nt ex	pense	. The	repo	rt for the ar	alysis of th	e above



envirotech

envirotech Inc.

Printed: 11/15/2023 11:32:52AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	carror. <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 (							
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				
	in the brank (1B) included for VOC analyses?  non-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?	mation.	Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample 1	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	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	s, 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			Subcontract Euc			
Chem II	<u>iisti 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: 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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Cell: 505-947-8222

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:	04108-0639	Reported.
l	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.



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

		E311104-01					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Allalyte	Result	Lillit	Dili	ution	Trepared	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	g/kg Analyst: RKS		: RKS		Batch: 2347012
Benzene	ND	0.0250		1	11/20/23	11/20/23	
Ethylbenzene	ND	0.0250		1	11/20/23	11/20/23	
Toluene	ND	0.0250		1	11/20/23	11/20/23	
o-Xylene	ND	0.0250		1	11/20/23	11/20/23	
p,m-Xylene	ND	0.0500		1	11/20/23	11/20/23	
Total Xylenes	ND	0.0250		1	11/20/23	11/20/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/20/23	11/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/20/23	11/20/23	
Surrogate: Toluene-d8		109 %	70-130		11/20/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2347012
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/20/23	11/20/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/20/23	11/20/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		11/20/23	11/20/23	
Surrogate: Toluene-d8		109 %	70-130		11/20/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2347018
Diesel Range Organics (C10-C28)	ND	25.0		1	11/20/23	11/20/23	
Oil Range Organics (C28-C36)	ND	50.0		1	11/20/23	11/20/23	
Surrogate: n-Nonane		153 %	50-200		11/20/23	11/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2347005
Chloride	299	20.0		1	11/20/23	11/20/23	



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: Gi	ilbert Moreno				11/2	2/2023 10:13:17A
	V	olatile Organ	ic Compo	unds by EF	A 8260I	3		I	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 Anal	yzed: 11/20/23
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	0.499		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 Anal	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			
o,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-(	)1	Prepared: 1	1/20/23 Anal	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-(	)1	Prepared: 1	1/20/23 Anal	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	
p-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			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
			0.500		100	<b>50 15</b>			



0.500

108

70-130

0.539

Surrogate: Toluene-d8

Matrix Spike Dup (2347012-MSD2)

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$ 

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

52.8

0.507

0.519

0.555

#### **QC Summary Data**

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:04108-0639Carlsbad NM, 88220Project Manager:Gilbert Moreno11/22/2023 10:13:17AM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno				11/2	2/2023 10:13:17		
	Non	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:	E311148-0	)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					
Surrogate: Toluene-d8	0.555		0.500		111	70-130					

50.0

0.500

0.500

0.500

20.0

Source: E311148-01

106

101

104

111

ND

70-130

70-130

70-130

70-130

0.678

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: Gi	lbert Moreno				11/2	22/2023 10:13:1/AN	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2347018-BLK1)							Prepared: 11/20/23 Analyzed: 11/20/23			
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	56.9		50.0		114	50-200				
LCS (2347018-BS1)				1			Prepared: 11/20/23 Analyzed: 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: E311152-22			Prepared: 11/20/23 Analyzed: 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)	01)			Source:	Source: E311152-22			Prepared: 11/20/23 Analyzed: 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		DX 16 #009 1108-0639					Reported:
Carlsbad NM, 88220		Project Manager	r: G	ilbert Moreno				11	/22/2023 10:13:17AM
		Anions	by EPA 3	300.0/9056 <i>£</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 (2347005-BLK1)							Prepared: 1	1/20/23 Ana	alyzed: 11/20/23
Chloride	ND	20.0							
LCS (2347005-BS1)							Prepared: 1	1/20/23 Ana	alyzed: 11/20/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2347005-MS1)				Source:	E311137-	02	Prepared: 1	1/20/23 Ana	alyzed: 11/20/23
Chlorida	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

M4

#### **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.



roject In	formation	1					Chain	of C	ustod	Y													
lient W	PX Energy	v Permia	n IIC			Bill To	Account of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the s		and the second	L	ab U	se Or	nly			I			AT			EPA I	Program
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envirotech Inc.

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 0	9:00	Work Order ID:	E311104
Phone:	(539) 573-4018	Date Logged In:	11/13/23 1	3:46	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/20/23 1	7:00 (5 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: 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		<b>Comments</b>	s/Resolution
Sample T	<u> </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			
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 visible ice, record the temperature. Actual sample	re 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 Lat	•	nois conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	omiation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	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 r	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcontr	ract Laboratory					
	amples required to get sent to a subcontract laborate	nrv?	No			
	subcontract laboratory specified by the client and i	-		Subcontract Lab: NA		
			- 1	Successful Eur. 1411		
Chent II	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: 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

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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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:
l	5315 Buena Vista Dr	Project Number:	04108-0639	Reported.
l	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

		EUTITUS UT				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilui	ion Frepared	Allaryzeu	riotes
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		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	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		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	I	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		Analyst: 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

	<b>v</b>	olatile Organ	Compor	ings by E1	02001				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							
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 Anal	yzed: 11/15/23
Benzene	2.67	0.0250	2.50		107	70-130	•	•	
Benzene 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	0.0230	0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dictioroeinane-u4 Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
Matrix Spike (2346022-MS1)				Source:	E311088-0	02	Prepared: 1	1/14/23 Anal	yzed: 11/15/23
* ` ′	2.45	0.0250	2.50	ND	98.2	48-131	Tropulou. 1	.,, 20 111101,	,200, 11, 10, 20
Benzene	2.43	0.0250	2.50	ND	92.0	45-131			
Ethylbenzene	2.24	0.0250	2.50	ND ND	89.8	48-130			
Toluene	2.39	0.0250 0.0250	2.50	ND	95.5	43-135			
o-Xylene	4.68	0.0250	5.00	ND	93.6	43-135			
p,m-Xylene Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135			
Surrogate: Bromofluorobenzene	0.554	0.0230	0.500	.10	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.334		0.500		96.4	70-130			
Surrogate: 1,2-Dicnioroetnane-a4 Surrogate: Toluene-d8	0.482		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	0.0550	2.50						, 254. 11/13/23
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	
p-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			
			0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	/0-130			

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **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
 11/17/2023
 2:26:58PM

Carlsbad NM, 88220		Project Manager		ilbert Moreno				11/	17/2023 2:26:58PM
	Non	halogenated	Organics	by EPA 801	15D - G	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
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-	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-	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	

0.500

0.500

0.500

0.549

0.474

0.500

110

94.8

99.9

70-130

70-130

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 Nivi, 88220		Project Manage	r: Gi	ibert Moreno				1	1/1//2023 2.20.36FN
	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 (2346076-BLK1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil 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 An	alyzed: 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 An	alyzed: 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-(	)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	
Surrogate: n-Nonane	53.0		50.0		106	50-200			



WPX Energy - Carlsbad		Project Name:		DX 16 #009				·	Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		4108-0639 filbert Moreno					11/17/2023 2:26:58PM
		Anions	by EPA	300.0/9056 <i>A</i>					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:	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**

	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
-	5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 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.



**Project Information** 

Project: RDX 16 #009

Phone: 832-541-7719

Relinquished by: (Signature)

Sample Matrix: \$ - Soil, \$d - Solid, \$g - Sludge, A - Aqueous, O - Other

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AVG Temp °C 4

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

envirotech

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

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

Printed: 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 a	Custody (COC)					
			37			
	he sample ID match the COC?  he number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	en die eee	Yes Yes	Comion Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	ica analyses.	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103		Comment	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	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			
	non-VOC samples collected in the correct containers?	•	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La						
•	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved m	etais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

WPX Energy - Carlsbad

Project Name: RDX 16 #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

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

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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 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04018-0639	Reported.
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
Analyte	Result	Lillit	Dilut	ion Frepared	Anaryzeu	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		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	Α	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	A	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 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 0.544 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 2.39 0.0250 2.50 95.8 70-130 2.50 70-130 0.0250 2.50 100 o-Xylene 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

0.500

0.500

0.500

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

111

96.4

99.2

106

99.9

96.4

103

101

102

110

93.3

Source: E311088-02

ND

ND

ND

ND

ND

ND

70-130

70-130

70-130

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

Prepared: 11/14/23 Analyzed: 11/15/23

23

27

24

27

27

27

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Matrix Spike Dup (2346022-MSD1)

0.554

0.482

0.496

2.65

2.50

2.41

2.58

5.04

7.62

0.552

0.467

0.489

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

Calisbad NW, 88220		Froject Manage	i. Gi	ibert Morello				11/1	7/2023 2.23.491 N
	A	analyst: RKS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 1	1/14/23 Analy	vzed: 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	zed: 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-	02	Prepared: 1	1/14/23 Analy	zed: 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 Analy	zed: 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

Carisbad Nivi, 88220		Project Manage	r. Gi	ibert Moreno					11/1//2023 2.23.49F1
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
alyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
ank (2346076-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
sel Range Organics (C10-C28)	ND	25.0							
Range Organics (C28-C36)	ND	50.0							
ogate: n-Nonane	53.3		50.0		107	50-200			
S (2346076-BS1)							Prepared: 1	1/16/23 A	nalyzed: 11/16/23
sel Range Organics (C10-C28)	287	25.0	250		115	38-132			
ogate: n-Nonane	58.2		50.0		116	50-200			
atrix Spike (2346076-MS1)				Source:	E311101-0	)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
sel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
ogate: n-Nonane	52.9		50.0		106	50-200			
atrix Spike Dup (2346076-MSD1)				Source:	E311101-(	)3	Prepared: 1	1/16/23 A	nalyzed: 11/16/23
sel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.21	20	
ogate: n-Nonane	53.0		50.0		106	50-200			
sel Range Organics (C10-C28)		25.0			107	38-132			nalyzed: 11/



WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:		1018-0639					
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno					11/17/2023 2:25:49PM
		Anions	by EPA 3	300.0/9056 <i>£</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:	11/16/23 A	nalyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared:	11/16/23 A	nalyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-(	5	Prepared:	11/16/23 A	nalyzed: 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 A	nalyzed: 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 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.



**Project Information** 

Client: W	/PX Energ	y Permia	n, LLC.	<del></del>		Bill To		T		Ł	ab U	se On							AT		EPA P	rogram
Project: I	RDX 16 #0	XO9				Attention: Jim Raley		Lab	wo	#		Job	ΛήΨ	ber		1D	2D	3D	St	andard	CWA	SDWA
Project N	Aanager:	Gilbert M	loreno			Address: 5315 Buena Vista Dr.		lE.	3111	00		04018-0689			<b>29</b> [				5	day TAT		
Address:	13000 W	County I	Rd 100	***************************************		City, State, Zip: Carlsbad, NM, 882	20					Analy	sis a	nd Me	thod	]						RCRA
City, Stat	e, Zip_O	lessa,TX,	79765			Phone: 575-885-7502		Π	Τ.	T	T											
Phone: 8	32-541-7	719	***************************************			Email: jim.raley@dvn.com		1	2	1		1 1			I						State	
Email: Do	evon-tear	n@etech	env.com			WO: 21191055		1	ã	1	l	1 1			l					NM CO	UT AZ	TX
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						nAPP2317840368		l	Įğ	-		I _ I	9		I	Σ		J	l	1 1		
Collected	by: Edyt	e Konan					3	ĮŘ	ã	36	ğ	ĕ	l	- 1			7	l	×			
Time	Date	Matrix	No of	Sample I	D		Lab	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 802	VOC by 8260	Metals 6010	Chloride 300.0			2000		2005			Remarks	
Sampled	Sampled		Container				Number	8	É	E	8	ž	6		_	8		g				
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Addition	al Instruc	tions:		1			<u> </u>											L				
																						- 1
	olor), attest to of collection					aware that tampering with or intentionally mislab action. Sampled by: GM	elling the sampl	e loca	tion,											on ice the day t n 6 °C on subse		ed or
Relinquishe			Date		Time	Received by (Signature)	Date		Time	<u> </u>						Jat	) Use	Onl	y			
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Sample Matr	nr S . Sod &	I - Soded Se -	Stunton A - A	Acueous O ·	Other		Container	Type	: R - 2	g - glass, p - poly/plastic, ag - amber glass, v - VOA												
						ss other arrangements are made. Hazardous														for the en	lucia of the	above
						now with this COC. The liability of the laborate										- capa			p 1			



envirotech Inc.

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 0	99:00	Work Order ID:	E311106
Phone:	(539) 573-4018	Date Logged In:	11/13/23 1	3:53	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 1	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>looler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
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 concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	imple ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	he COC or field labels indicate the samples were pa	reserved?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does 1	he 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					
			No			
	mples required to get sent to a subcontract laborato subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab: NA		
		i so wilo:	INA	Subcontract Lab; NA		
Client In	struction					

Date

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

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

WPX Energy - Carlsbad

Project Name: RDX 16 #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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Cell: 775-287-1762

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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mgonzales@envirotech-inc.com

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Chain of Custody etc.	11

#### **Sample Summary**

Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Donoutoda
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.



## 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	11/20/2023 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/k		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	g 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		Analyst: BA			Batch: 2346090
·	31.9	20.0			11/16/23	11/16/23	<u> </u>



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

**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 Source Reporting Spike 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 Ethylbenzene ND 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene 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 0.500 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 0.0250 2.50 98.9 70-130 Ethylbenzene Toluene 2.39 0.0250 2.50 95.8 70-130 2.50 2.50 100 70-130 o-Xylene 0.0250 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 Surrogate: Toluene-d8 0.500 70-130 0.484 Matrix Spike (2346022-MS1) Source: E311088-02 Prepared: 11/14/23 Analyzed: 11/15/23 ND 48-131 2.45 0.0250 2.50 98.2

Surrogate: Toluene-d8	0.496		0.500		99.2	70-130					
Matrix Spike Dup (2346022-MSD1)	rix Spike Dup (2346022-MSD1)				Source: E311088-02			Prepared: 11/14/23 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					

2.50

2.50

2.50

5.00

7.50

0.500

0.500

2.30

2.24

2.39

4.68

7.07

0.554

0.482

0.0250

0.0250

0.0250

0.0500

0.0250

ND

ND

ND

ND

ND

92.0

89.8

95.5

93.6

94.2

111

96.4

45-135

48-130

43-135

43-135

43-135

70-130

70-130

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:04018-0639Carlsbad NM, 88220Project Manager:Gilbert Moreno11/20/2023 3:59:43PM

5315 Buena Vista Dr		Project Number:	04	018-0639					
Carlsbad NM, 88220		Project Manager	: Gi	lbert Moreno				11/	20/2023 3:59:43P
	Nor	halogenated (	Organics	by EPA 801	5D - GI	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
Blank (2346022-BLK1)							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: 1	1/14/23 Anal	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: F	E <b>311088-</b> 0	)2	Prepared: 1	1/14/23 Anal	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: F	E <b>311088-</b> 0	)2	Prepared: 1	1/14/23 Anal	yzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	

0.500

0.500

0.500

0.549

0.474

0.500

110

94.8

99.9

70-130

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		Project Name:		OX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager		018-0639 lbert Moreno					11/20/2023 3:59:43PM
		Anions	by EPA 3	00.0/9056	<b>\</b>				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	11/16/23	Analyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	11/16/23	Analyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-0	)5	Prepared: 1	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: 1	11/16/23	Analyzed: 11/16/23

250

20.0

775

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.



## **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.



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**Chain of Custody** 

Page	_1	of	1

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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.

Phone: (\$399.573-4018   Date Lagged In   10.1323 (\$37.57   Lagged In By   Incline Monusco more and process and general members of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process	Client:	WPX Energy - Carlsbad	Date Received:	11/13/23	09:00	Work Order ID:	E311107
Chain of Custody (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC yes 3. Were samples dopped of IPs ye into the carrier? 4. Was the COC complete, i.e., signatures, datestimes, requested analyses? 5. Were all sample secretived within boding time? 5. Were all sample secretived within boding time? 6. Were all sample secretived within boding time? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. Hyse, was cooler received? 8. Hyse, was cooler received mited, i.e., not broken? 9. Was the sample (s) received inted, i.e., not broken? 9. Was the sample (s) received inted, i.e., not broken? 10. Were custody/security seals intate? 11. Hyse, were custody/security seals intate? 12. Was the sample received in its or required, if samples are received will 5 minutes of sampling 13. If no visible is, exceed the temperature. Actual sample temperature: \$\frac{1}{2}C\$  8ample Container 14. Are aspeace NCC samples collected in the OrV Co analyses? 15. Are VOC samples collected in the orrect containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip black (Tb) included for VOC analyses? 18. Are non-VOC samples collected in the orrect containers? 19. It was a trip black (Tb) included for VOC analyses? 19. Were fleat sample labels filled out with the minimum information: 19. It was a trip black (Tb) included for VOC analyses? 19. Were fleat sample labels filled out with the minimum information: 20. Were fleat sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples (or field labels indicate the samples were preserved? 23. Loos the COC or field labels indicate the samples were preserved? 24. Is label filteration required and or required and or required and or required and or required and or required and or required and or required and or required and or required and or required and or required and or required and or required and or required	Phone:	(539) 573-4018	Date Logged In:	11/13/23	13:57	Logged In By:	Jordan Montano
Does the sample ID match the COC?   Yes   2. Does the number of sampling site location match the COC   Yes   2. Does the number of sampling site location match the COC   Yes   2. Wes the COC complete, i.e., signatures, dates/times, requested analyses?   Yes   Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minume hold time, are not included in this discussion.   Yes   Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minume hold time, are not included in this discussion.   Yes   Sample Tour Around Time (TAY)   Sample Tour Around Time (TAY)   Yes   Sample Cooler received?   Yes   Sample Cooler received?   Yes   Sample Cooler received?   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes	Email:	devon-team@ensolum.com	Due Date:	11/17/23	17:00 (4 day TAT)		
Does the sample ID match the COC?   Yes   2. Does the number of sampling site location match the COC   Yes   2. Does the number of sampling site location match the COC   Yes   2. Wes the COC complete, i.e., signatures, dates/times, requested analyses?   Yes   Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minume hold time, are not included in this discussion.   Yes   Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minume hold time, are not included in this discussion.   Yes   Sample Tour Around Time (TAY)   Sample Tour Around Time (TAY)   Yes   Sample Cooler received?   Yes   Sample Cooler received?   Yes   Sample Cooler received?   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes							
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12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  NA  16. Is the head space less than 6-8 mm (pea sized or less)?  NA  17. Was a trip blank (TB) included for VOC analyses?  NA  18. Are non-VOC samples collected in the correct containers?  Yes  19. Is the appropriate volume/weight or number of sample containers collected?  Yes  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date Time Collected?  Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were 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  Multiphase Sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Subcontract Laboratory  No  Subcontract Laboratory specified by the client and if so who?  No  Subcontract Laboratory specified by the client and if so who?  No  Subcontract Laboratory specified by the client and if so who?  No  Subcontract Laboratory specified by the client and if so who?							
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Client Instruction		· · ·	•		Subcontract Lab: NA		
	Client I	<u>nstruction</u>					

Date

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

WPX Energy - Carlsbad

Project Name: RDX 16 #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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## 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

	E311100-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: 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	
	96.6 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Analy	st: 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	st: BA		Batch: 2346090
104	20.0	1	11/16/23	11/16/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0500           ND         0.0250           MD         0.0250           MB/kg         mg/kg           MB/kg         mg/kg           MB/kg         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         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           92.4 %         70-130           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           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           Mg/kg         mg/kg         Analyst: RKS           ND         20.0         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



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	Analy	st: 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	Analy	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		92.8 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	Analy	rst: BA		Batch: 2346090
Chloride	ND	200	10	11/16/23	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 6'

E31	11	.08	-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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
Chloride	ND	200	10	11/16/23	11/16/23	

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

WPX Energy - Carlsbad RDX 16 #009 Project Name: Reported: 5315 Buena Vista Dr Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Gilbert Moreno 11/22/2023 10:50:27AM **Volatile Organics by EPA 8021B** Analyst: RKS Source RPD Reporting Spike Rec 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 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.78 8.00 97.3 70-130 LCS (2346023-BS1) Prepared: 11/14/23 Analyzed: 11/16/23 5.12 5.00 102 70-130 0.0250 Benzene Ethylbenzene 5.08 0.0250 5.00 102 70-130 102 70-130 Toluene 5.11 0.0250 5.00 5.10 102 70-130 o-Xylene 0.0250 5.00 10.4 0.0500 10.0 104 70-130 p,m-Xylene 15.4 103 70-130

Matrix Spike (2346023-MS1)				Source:	E311089-0	13	Prepared: 11/14/23 Analyzed: 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	

15.0

8.00

97.7

70-130

0.0250

7.82

Matrix Spike Dup (2346023-MSD1)				Source:	Source: E311089-03			Prepared: 11/14/23 Analyzed: 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		
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	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 Manage	r: Gi	lbert Moreno				11	/22/2023 10:50:27AN		
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2346023-BLK1)							Prepared: 1	1/14/23 An	alyzed: 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 An	alyzed: 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 An	alyzed: 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 An	alyzed: 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 Manage	r: Gı	lbert Moreno				11	1/22/2023 10:50:27A
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO		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	03	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	03	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			

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	: 01	DX 16 #009 058-0007 ilbert Moreno				11	Reported: 1/22/2023 10:50:27AM
7.1.				00.0/9056	<b>A</b>				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	alyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-0	05	Prepared: 1	1/16/23 An	alyzed: 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**

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** 

Project: RDX 16 #009

Phone: 832-541-7719

Collected by: Edyte Konan

Date

Sampled

11 09.23

11.09.23

11.09.23

Sampled

10:50

11:00

11:10

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

S

No. of

1

1

1

Sample ID

Lab WO# E 311108

PH GRO/DRO/ORO by 8015

0.5

4'

6'

Lab

Number

BTEX by 8021 70C by 8260 Aetals 6010

Lab Use Only

Job Number O4018 -063

**Analysis and Method** 

Ž

BGDOC

X

X

X

TAT

5 day TAT

1D 2D 3D Standard

Ĕ

GDOC

Bill To

Attention: Jim Raley

Phone: 575-885-7502

WO: 21191055

nAPP2317840368

**PH11** 

PH11

PH11

111012023

Address: 5315 Buena Vista Dr.

Email: jim.raley@dvn.com

Incident ID: nAPP2322658221,

City, State, Zip: Carlsbad, NM, 88220

Additional Instructions:						
l, (field sampler), attest to the validity	and authenticity of this	sample. I am	aware that tampering with or intentionally mis	slabelling the sample lo	ocation,	Samples requiring thermal preservation must be received on ice the day they are sampled or
date or time of collection is considered	d fraud and may be gro	unds for legal a	action. Sampled by: GM			received packed in ice at an avg temp above 0 but biss than 6 °C on subsequent days.
Relinquished by: (Signature)	Date     10 202	Time 3	received by: (Signardile)	M13128	9:00	Received on Ice: (Y)/ N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4
Sample Matrix: S - Soil, Sd - Solid, Sg -	Sludge, A - Aqueous, O	· Other		Container Tv	pe: g - glass, p	- noly/plastic ag ambgr glass v. VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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 (	9:00		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 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	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, 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			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	<del></del>	.•					
	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	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				
		,	1421				
	act Laboratory	0	NT.				
	amples required to get sent to a subcontract laborato	•	No	0.1	374		
29. was a	subcontract laboratory specified by the client and is	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





# envirotech

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

Laboratory Director Office: 505-632-1881

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:
5315 Buena Vista Dr	Project Number:	01058-0007	Keporteu.
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 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 10:53:54AM

### 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

Carlsbad NM, 88220		Project Manage	r: Gi	ilbert Moreno	1			11/2	2/2023 10:53:54A
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 11	1/14/23 Analy	zed: 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							
Fotal 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			
o-Xylene	2.50	0.0250	2.50		100	70-130			
o,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Fotal 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	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			
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: 1	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

WPX Energy - CarlsbadProject Name:RDX 16 #009Reported:5315 Buena Vista DrProject Number:01058-0007Carlsbad NM, 88220Project Manager:Gilbert Moreno11/22/2023 10:53:54AM

	Non	halogenated (	Organics	by EPA 801	15D - G	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

	Result	LIIIII	Level	Kesuit	Rec	Lillius	KrD	Liiiit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346022-BLK1)							Prepared: 11	1/14/23 <i>A</i>	Analyzed: 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 <i>A</i>	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			
miroguie. 1,2-Dichioroeinane-u+	0.402		0.2 0 0						
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
ŭ				Source:		70-130	Prepared: 1	1/14/23 <i>F</i>	Analyzed: 11/15/23
Surrogate: Toluene-d8		20.0		Source:	98.9	70-130	Prepared: 1	1/14/23 <i>E</i>	Analyzed: 11/15/23
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)	0.495	20.0	0.500		98.9 <b>E311088-</b> 0	70-130 <b>12</b>	Prepared: 1	1/14/23 <i>E</i>	Analyzed: 11/15/23
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)	0.495	20.0	50.0		98.9 <b>E311088-0</b>	70-130 12 70-130	Prepared: 1	1/14/23 <i>E</i>	Analyzed: 11/15/23
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene	0.495 54.5 0.559	20.0	50.0 0.500		98.9 <b>E311088-0</b> 109 112	70-130 70-130 70-130	Prepared: 1	1/14/23 <i>E</i>	analyzed: 11/15/23
Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4	0.495 54.5 0.559 0.483	20.0	50.0 0.500 0.500	ND	98.9 <b>E311088-0</b> 109 112 96.6	70-130 70-130 70-130 70-130 70-130	•		Analyzed: 11/15/23 Analyzed: 11/15/23
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8	0.495 54.5 0.559 0.483	20.0	50.0 0.500 0.500	ND	98.9 E311088-0 109 112 96.6 98.6	70-130 70-130 70-130 70-130 70-130	•		·
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Matrix Spike Dup (2346022-MSD2)	0.495 54.5 0.559 0.483 0.493		0.500 50.0 0.500 0.500 0.500	ND Source:	98.9 E311088-0 109 112 96.6 98.6 E311088-0	70-130 70-130 70-130 70-130 70-130	Prepared: 1	1/14/23 <i>F</i>	·
Surrogate: Toluene-d8  Matrix Spike (2346022-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Matrix Spike Dup (2346022-MSD2)  Gasoline Range Organics (C6-C10)	0.495 54.5 0.559 0.483 0.493		0.500 50.0 0.500 0.500 0.500	ND Source:	98.9  E311088-0  109  112  96.6  98.6  E311088-0  112	70-130 70-130 70-130 70-130 70-130 70-130	Prepared: 1	1/14/23 <i>F</i>	



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

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	)			11.	/22/2023 10:53:54A
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346079-BLK1)							Prepared: 1	1/16/23 Ana	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2346079-BS1)							Prepared: 1	1/16/23 Ana	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	300	25.0	250		120	38-132			
Surrogate: n-Nonane	59.0		50.0		118	50-200			
Matrix Spike (2346079-MS1)				Source:	E311128-0	)3	Prepared: 1	1/16/23 Ana	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132			
Surrogate: n-Nonane	59.9		50.0		120	50-200			
Matrix Spike Dup (2346079-MSD1)				Source:	E311128-0	)3	Prepared: 1	1/16/23 Ana	alyzed: 11/16/23
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	38-132	2.50	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike Dup (2346090-MSD1)

Chloride

1030

### **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				11	1/22/2023 10:53:54AM
		Anions	by EPA 3	600.0/9056 <i>A</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	alyzed: 11/16/23
Chloride	ND	20.0							
LCS (2346090-BS1)							Prepared: 1	1/16/23 An	alyzed: 11/16/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2346090-MS1)				Source:	E311129-	05	Prepared: 1	1/16/23 An	alyzed: 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:	01058-0007	Reported:
-	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.



roject In	formation	1					Cl	nain o	f Cust	tody													1
						Bill To					La	b Us	e On	ly		_			TA	\T		EPA P	rogran
	PX Energy		ı, LLC.		ᅴᄂ				Lah	WO#			Job		ber		1D	2D	3D	Star	ndard	CWA	SDW
	DX 16 #0					tention: Jim Raley Idress: 5315 Buena Vista Dr.			F	3IVI	19		04	DVB	-00	291				5 da	y (AT		
	lanager: ( 13000 W					ty, State, Zip: Carlsbad, NM, 88	8220				W		Analy	sis ar	nd Me	thoc							RCR
	e, Zip_Od					none: 575-885-7502			П											L		<u> </u>	
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	l by: Edyte				In	cident ID: nAPP2322658221, APP2317840368			2	трн GRO/DRO/ORO by 8015	STEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0			C NM		ዾ	-	×		
Time Sampled	Dote Sampled	Matrix	No of Containers	Sample ID				Lab imber	Depth(ft.)	TPH G	BICK	VOC 19	Metais	Chloric			верос		2005			Remarks	
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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 0	9:00		Work Order ID:	E311109
Phone:	(539) 573-4018	Date Logged In:	11/13/23 1	4:05		Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:		17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	he sample ID match the COC?		Yes				
2. Does th	he 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 th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes			Comment	s/Resolution
Sample 7	Furn Around Time (TAT)					<u> </u>	
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
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 a minutes of sampling	re received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	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 conta	iners collected?	Yes				
	<u>bel</u> field sample labels filled out with the minimum inf ample ID?	ormation:	Yes				
	Pate/Time Collected?		Yes				
	collectors 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 in	metals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipla	ase?	No				
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and	-	NA	Subcontract Lab	· NA		
	nstruction			Subcontract Euc	,. 1 <del>11 1</del>		
<u>Cheme II</u>	isti uction						

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: 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

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Cell: 775-287-1762

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mgonzales@envirotech-inc.com

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### **Sample Summary**

_			<u> </u>	
Γ	WPX Energy - Carlsbad	Project Name:	RDX 16 #009	Reported:
l	5315 Buena Vista Dr	Project Number:	04018-0639	Reported:
	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

		L511110-01				
Analyte	Result	Reporting Limit	Dilut	ion Prepare	ed Analyzed	Notes
Analyte	Result	Limit	וווונו	ion riepare	zu Aliaiyzed	INOTES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2346022
Benzene	ND	0.0250	1	11/14/2	23 11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/2	23 11/16/23	
Toluene	ND	0.0250	1	11/14/2	23 11/16/23	
o-Xylene	ND	0.0250	1	11/14/2	23 11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/2	23 11/16/23	
Total Xylenes	ND	0.0250	1	11/14/2	23 11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/2	23 11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/2	23 11/16/23	
Surrogate: Toluene-d8		97.5 %	70-130	11/14/2	23 11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/2	23 11/16/23	
Surrogate: Bromofluorobenzene		109 %	70-130	11/14/2	23 11/16/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	11/14/2	23 11/16/23	
Surrogate: Toluene-d8		97.5 %	70-130	11/14/2	23 11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/2	23 11/17/23	<u> </u>
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/2	23 11/17/23	
Surrogate: n-Nonane		85.1 %	50-200	11/16/2	23 11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: BA		Batch: 2346090
Chloride	14700	400	20	11/16/2	23 11/17/23	



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 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 Toluene ND 0.0250 ND 0.0250 o-Xylene 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 0.500 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 70-130 2.47 2.50 98.9 0.0250 Ethylbenzene Toluene 2.39 0.0250 2.50 95.8 70-130 2.50 2.50 100 70-130 0.0250 o-Xylene 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 0.485 0.500 97.0 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 70-130 0.484

Matrix Spike (2346022-MS1)				Source	E311088-0	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	E311088-0	02	Prepared: 11/14/23 Analyzed: 11/15/23

Matrix Spike Dup (2346022-MSD1)				Source:	E311088-	02	Prepared: 1	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		

Surrogate: Toluene-d8

#### **QC Summary Data**

 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

Nonhalogenated Organics by EPA 8015D - GRO An										
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 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				

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	

0.500

0.495

98.9

70-130

Surrogate. Totalene alo	0.775							
Matrix Spike Dup (2346022-MSD2)				Source:	E311088-0	02	Prepared: 1	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 3:02:57PM

Analyst: JL  PPD imit  % Notes
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WPX Energy - Carlsbad		Project Name:		DX 16 #009					Reported:
5315 Buena Vista Dr Carlsbad NM, 88220		Project Number: Project Manager:		4018-0639 ilbert Moreno					11/17/2023 3:02:57PM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				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:	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**

	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** 

Received by OCD: 2/29/2024 10:33:44 AM

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envirotech

envirotech Inc.

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)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	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
Sample T	urn Around Time (TAT)	on.					
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			105				
	cample cooler received?		Yes				
	was cooler received in good condition?		Yes				
• •	e sample(s) received intact, i.e., not broken?						
			Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·						
	— field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
-	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>istruction</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: 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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Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

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Southern New Mexico Area

Lynn Jarboe

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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:	Project Name: RDX 16 #009			
5315 Buena Vista Dr	Project Number:	04018-0639	Reported:		
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:00		

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

Racult		Dilut	ion Prepared	Analyzad	Notes
Kesuit	Limit	Dilui	ion Frepared	Allalyzeu	Notes
mg/kg	mg/kg	A	analyst: RKS		Batch: 2346022
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	
	111 %	70-130	11/14/23	11/16/23	
	93.7 %	70-130	11/14/23	11/16/23	
	98.4 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	Α	analyst: RKS		Batch: 2346022
ND	20.0	1	11/14/23	11/16/23	
	111 %	70-130	11/14/23	11/16/23	
	93.7 %	70-130	11/14/23	11/16/23	
	98.4 %	70-130	11/14/23	11/16/23	
mg/kg	mg/kg	A	analyst: JL		Batch: 2346080
ND	25.0	1	11/16/23	11/17/23	
ND	50.0	1	11/16/23	11/17/23	
	93.7 %	50-200	11/16/23	11/17/23	
mg/kg	mg/kg	Α	analyst: BA		Batch: 2346090
960	200	10	11/16/23	11/17/23	
	ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           III %         93.7 %           98.4 %         mg/kg           ND         20.0           III %         93.7 %           98.4 %         mg/kg           MD         25.0           ND         50.0           93.7 %         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           ND         0.0250         1           111 %         70-130         93.7 %         70-130           98.4 %         70-130         98.4 %         70-130           93.7 %         70-130         98.4 %         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           93.7 %         50-200           mg/kg         mg/kg         A	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           93.7 %         70-130         11/14/23           93.7 %         70-130         11/14/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/14/23           93.7 %         70-130         11/14/23           93.7 %         70-130         11/14/23           98.4 %         70-130         11/14/23           98.4 %         70-130         11/14/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         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         0.0500         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           93.7 %         70-130         11/14/23         11/16/23           98.4 %         70-130         11/14/23         11/16/23           111 %         70-130         11/14/23         11/16/23           111 %         70-130         11/14/23         11/16/23           93.7 %         70-130         11/14/23         11/16/23           11/16/23         11/16/23         11/16/23           11/16/23



Surrogate: Toluene-d8

# **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 11/17/2023 3:00:38PM 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 ND 0.0250 o-Xylene 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

LCS (2346022-BS1)						Prepared: 11/14/23 Analyzed: 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: 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		

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

#### **QC Summary Data**

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 Manager:		lbert Moreno				1	11/17/2023 3:00:38PN
	Nor	ihalogenated (	Organics l	by EPA 801	5D - GI	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
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: E	2311088-0	)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: E	E311088-0	)2	Prepared: 1	1/14/23 Ar	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			

0.500

0.500

0.474

0.500

94.8

99.9

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	11/17/2023 3:00:38PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	1				11/17/2023 3:00:38PI
Nonhalogenated Organics by EPA 8015D - DRO/ORO  Analyst: JL									
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
lank (2346080-BLK1)							Prepared: 1	1/16/23 Aı	nalyzed: 11/16/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.7		50.0		95.5	50-200			
CS (2346080-BS1)							Prepared: 1	1/16/23 Aı	nalyzed: 11/16/23
iesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132			
urrogate: n-Nonane	46.3		50.0		92.6	50-200			
latrix Spike (2346080-MS1)				Source:	E311108-0	)3	Prepared: 1	1/16/23 Aı	nalyzed: 11/16/23
iesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
urrogate: n-Nonane	45.7		50.0		91.5	50-200			
1atrix Spike Dup (2346080-MSD1)				Source:	E311108-0	)3	Prepared: 1	1/16/23 Aı	nalyzed: 11/16/23
iesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
urrogate: n-Nonane									



WPX Energy - Carlsbad		Project Name:	R	DX 16 #009					Reported:
5315 Buena Vista Dr		Project Number:		1018-0639					
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno					11/17/2023 3:00:38PM
		Anions	by EPA 3	300.0/9056 <i>A</i>					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:	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 15:00

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.



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8/7/2024 4:43:0

Project Information

**Chain of Custody** 

Page	1	of	1
rage		•• _	

Received by OCD: 2/29/2024 10:33:44 AM

Chent: V	VPX Energ	v Permia	n IIC.			T	Bill To						TAT			JORIG									
	RDX 16 #0		71, 020			Att	ention: Jim Raley			Lab	wo	#		ίορ	Num	ber			2D	3D		andard	CWA	1 30	AW
			lbert Moreno Address: 5315 Buena Vista Dr.					E.	<u>3111</u>	$m_{-}$			والترابط	<u>-04</u>			<u> </u>	<u></u>	5	day TAT		+ 6,	CRA		
	13000 W					City	City, State, Zip: Carlsbad, NM, 88220							Analy	sis a	nd Me	tho	1				ļ		+ "	
	le, Zip_O					Pho	one: 575-885-7502						ĺ			1 1			l	l	]		<u></u>		
	32-541-7					Email: jim.raley@dvn.com					🖁								l		l		State	.1 =	7
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Collected	d by: Edyt	e Konan					_			2	ТРН GRO/DRO/ORO <b>Ь</b> ү 801S	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0						l	_×			
Time	Date		No. of	Sample	0			1 -	ıb	Depth(ft.)	5	8	\ \displaystart{0}{5}	Ę	8			варос		GDOC			Remark	s	
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					<u> </u>			<u> </u>								p°C_		4							
Sample Matr	ta: S - Soil, Se	1 - Solid, Sg -	Sludge, A · A	queous, O -	Other			Conta	iner	Түре	: <b>g</b> • 8	glass,	p · p	oly/pl	astic	, ag	amb	er gla	355, V	· · VO	Α				
Note: Samp	sies are disc	arded 30 da why to those	ays after re	sults are re acained by	ported unit	ess oth	er arrangements are made. Hazardou	sample	s will	bo rei	lurne	d to cl	ient o	r dispo	sed o	f at th	o clie	nt exp	ense	. The	repo	rt for the an	alysis of t	re abor	ve



envirotech

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 of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location man	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>Journer</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.	•		,		Comments	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,	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 t	<u> </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	<del></del>						
	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						
	amples required to get sent to a subcontract laborato	mv?	No				
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	NI A		
		so who:	INA	Subcontract Lac	); NA		
Client In	<u>istruction</u>						

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

Report to:
Gilbert Moreno



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: 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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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 #008	Donoutodo
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
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'	E311101-04A 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

		E311101-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
o,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		96.7 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	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		92.3 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	Analy	rst: BA		Batch: 2346094
Chloride	94.7	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

#### PH13 1'

#### E311101-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	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		93.0 %	70-130	11/14/23	11/16/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2346094
Chloride	ND	200	10	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 0.5'

		E311101-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: BA		Batch: 2346094
Chloride	107	20.0	1	11/16/23	11/18/23	



Chloride

#### Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

#### PH14 1'

#### E311101-04 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: RKS Batch: 2346023 mg/kg mg/kg Volatile Organics by EPA 8021B 11/14/23 11/16/23 ND 0.0250 Benzene 1 11/14/23 11/16/23 Ethylbenzene ND 0.0250ND 0.02501 11/14/23 11/16/23 Toluene 1 11/14/23 11/16/23 ND o-Xylene 0.02501 11/14/23 11/16/23 ND 0.0500 p,m-Xylene 11/14/23 11/16/23 1 Total Xylenes ND 0.025095.7 % 11/14/23 11/16/23 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: RKS Batch: 2346023 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 11/14/23 11/16/23 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 92.3 % 11/14/23 11/16/23 70-130 mg/kg mg/kg Analyst: KM Batch: 2346076 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 11/16/23 11/16/23 Diesel Range Organics (C10-C28) ND 11/16/23 11/16/23 Oil Range Organics (C28-C36) 50.0 1 11/16/23 11/16/23 Surrogate: n-Nonane 105 % 50-200 Analyst: BA Batch: 2346094 Anions by EPA 300.0/9056A mg/kg mg/kg

200

10

11/16/23

11/18/23

ND



		QC Si	umma	ii y Data	l				
WPX Energy - Carlsbad		Project Name:	RI	DX 16 #008					Reported:
5315 Buena Vista Dr		Project Number:	01	058-0007					•
Carlsbad NM, 88220		Project Manager:	Gi	ilbert Moreno					11/20/2023 1:43:42PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346023-BLK1)							Prepared: 1	1/14/23 A	nalyzed: 11/16/23
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: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			
LCS (2346023-BS1)							Prepared: 1	1/14/23 A	nalyzed: 11/16/23
Benzene	5.12	0.0250	5.00		102	70-130			
thylbenzene	5.08	0.0250	5.00		102	70-130			
oluene	5.11	0.0250	5.00		102	70-130			
-Xylene	5.10	0.0250	5.00		102	70-130			
o,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: 1	E <b>311089</b> -	03	Prepared: 1	1/14/23 A	nalyzed: 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			
oluene	5.05	0.0250	5.00	ND	101	61-130			
-Xylene	5.00	0.0250	5.00	ND	100	63-131			
o,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: 1	E <b>311089</b> -	03	Prepared: 1	1/14/23 A	nalyzed: 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 Villanas	15.7	0.0250	15.0	ND	104	62 121	2 16	20	



15.7

7.76

0.0250

15.0

8.00

ND

104

97.0

63-131

70-130

3.16

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/2023 1:43:42PM

Carlsbad NM, 88220		Project Manage	r: Gi	lbert Moreno	•			1	1/20/2023 1:43:42PM
	Nor	halogenated	Organics l	by 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 An	alyzed: 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 An	alyzed: 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 An	alyzed: 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 An	alyzed: 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

Carisbad NM, 88220		Project Manage	r: Gi	ibert Moreno					11/20/2023 1:43:42PI
	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 (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							
urrogate: n-Nonane	53.3		50.0		107	50-200			
CS (2346076-BS1)							Prepared: 1	1/16/23 A	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 A	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 A	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		Project Name: Project Number:	0	DX 16 #008 1058-0007					Reported:	
Carlsbad NM, 88220		Project Manager	: G	ilbert Moreno					11/20/2023 1:43:42P1	М
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				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 (2346094-BLK1)							Prepared:	11/16/23	Analyzed: 11/18/23	
Chloride	ND	20.0								
LCS (2346094-BS1)							Prepared:	11/16/23	Analyzed: 11/18/23	
Chloride	248	20.0	250		99.2	90-110				
Matrix Spike (2346094-MS1)				Source:	E311101-0	)3	Prepared:	11/16/23	Analyzed: 11/18/23	
Chloride	359	20.0	250	107	101	80-120				
Matrix Spike Dup (2346094-MSD1)				Source:	E311101-0	)3	Prepared:	11/16/23	Analyzed: 11/18/23	

250

20.0

96.9

80-120

2.99

#### 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.



Client: W	PX Energ	y Permia	n, LLC.			Bill To		T		L	Lab Use Only         TAT         EPA P           Job Number         1D   2D   3D   Standard         CWA								Progra	m			
	RDX 16 #0				$\dashv$	Attention: Jim Raley		Lab	WO			Job	Nun			1D	1D 2D		St	andard	CWA	SD\	NΑ
Project N	Aanager: (	Gilbert M	loreno			Address: 5315 Buena Vista Dr.		٦Ē.	3116	21		<b>GR</b>	<del>58</del>	-00	சி				5	day TAT			
	13000 W					City, State, Zip: Carlsbad, NM, 882	20	1				Anal	ysis a	nd M	etho	d						RC	RA
City, Stat	te, Zip_Oc	lessa,TX,	79765			Phone: 575-885-7502			Τ_		Π							Π					
	32-541-7					Email: jim.raley@dvn.com		1	l g	l	1	l	1			l		l			State		
<del></del>	evon-tear		env.com			WO: 21191055		1	B	l	1	l						İ		NM CO	UT A	Z TX	
						Incident ID: nAPP2322658221,		1	8	ŀ	l	l	I				l		l				ĺ
1					- 1	nAPP2317840368			ğ	ا ء		٦	8			Σž	l	¥					i
Collecte	d by: Edyt	te Konan			L			] =	8	8	82	ğ	18				l	1	l			$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$	
Time Sampled	Date Sampled	Matria	his of Concessors	Sample 10	)		Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	ETEX 6y 8021	VOC by 8260	Motals 6010	Chloride 300 0			ВСБОС		ğ			Remark	s	
11:50	11.09.23	S	1			PH13	1	0.5								×							
12:00	11.09.23	s	1			PH13	12	1'								x							
12:10	11.09.23	S	1			PH14	3	0.5								x							
12:20	11.09.23	S	1			PH14	4	1'								x							
							1											-					
						111012023	_																
																						,	
Addition	al Instruc	ctions:																•	•				
1				nticity of this s may be groun		n aware that tampering with or Intentionally misla i action. <u>Sampled by: GM</u>			ition,											on ice the day an 6 °C on subs			
Relinquishe	d by: (Signi	(gre)	Date 11/	1012023	Time	Received by (Signature)	11/13/	23	Time	:00	<b>)</b>	Rec	eive	i on i	ce:		b Us	e Or	ıly				
Relinquishe	d by: (Sign	ture)	Date		Time	Received by: (Signature)	Date		Time			Tı				T2	-			13			
Relinquishe	ed by: (Signa	sture}	Date	,	Time	e Received by: (Signature) Date					*************	AVG Temp °C 4											
Sample Matr	17 5. CAI C	1 - Solid Se -	Sludge, A -	Agueous, O · (	Other		Containe	r Type	:: g - :	glass,							ass. v	/ - VC	)A			-	
Note: Same	des are disc	arded 30 d	avs after r	esults are res	ported uni	ess other arrangements are made. Hazardo	us samples w	il be re	eturne	d to c	lient c	r disp	osed	of at th						rt for the an	alysis of t	ne abov	e
samples is	pplicable o	only to thos	e samples	received by	the labora	tory with this COC. The liability of the labora	tory is limited	to the	amo	unt pa	id for	on th	o repo	ort.					-		-		



envirotech

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 a	f Custody (COC)					
			37			
	the sample ID match the COC? The number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	on the ede	Yes Yes	Comion Counion		
	ne COC complete, i.e., signatures, dates/times, reques	eted analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	ned undry ses.	Yes			
3. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		103		Comment	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	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						
•	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved m	ietais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

<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 318980

#### **QUESTIONS**

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2322658221
Incident Name	NAPP2322658221 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	08/14/2023
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	Not answered.	
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Water Tank   Produced Water   Released: 149 BBL   Recovered: 110 BBL   Lost: 39 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

District I

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

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

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

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

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

QUESTIONS, Page 2

Action 318980

QUEST	/	۱۱ ۱
	ICONTI	niieni

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
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.		

nitial Response		
• The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

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

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

Name: James Raley
Title: EHS Professional
Email: jim.raley@dvn.com
Date: 02/29/2024

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

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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 318980

#### **QUESTIONS** (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	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 approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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
n, in milligrams per kilograms.)
25200
25500
18300
3.4
0
empleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
07/01/2024
07/01/2024
07/30/2024
1838
272
11214
365
on at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
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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 318980

#### **QUESTIONS** (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	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.			
<b>OR</b> is the <b>off-site</b> 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: 02/29/2024

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

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Action 318980

**QUESTIONS** (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	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 submission	No

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

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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

Action 318980

<b>QUESTIONS</b>	(continued)
QUESTIONS!	(COHUHUCU)

Operator:	OGRID:			
WPX Energy Permian, LLC	246289			
Devon Energy - Regulatory	Action Number:			
Oklahoma City, OK 73102	318980			
	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				

No

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

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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 318980

#### **CONDITIONS**

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	318980
	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