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 CLOSURE CRITERIA

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

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Atkins Engineering Associates, Inc., located approximately 0.21 miles west of the Site. Soil boring (C-04068-POD1) was advanced on May 11, 2017, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 125 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The well log for the referenced soil boring is provided in **Appendix C**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**.

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

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

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

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

DELINEATION SOIL SAMPLING ACTIVITES

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

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.

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

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

PROPOSED SCHEDULE

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

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

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Gilbert Moreno
Project Geologist

Anna Byers
Senior Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
State Land Office

Appendices:

Appendix A: Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Subsurface Receptors
Figure 2: Delineation Soil Sample Locations
Figure 3: Proposed Excavation Extents

Appendix B: NMOCD Notifications

Appendix C: Referenced Well Records

Appendix D: Lithologic Sampling Logs

Appendix E: Photographic Log

Appendix F: Tables

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

APPENDIX A

Figures

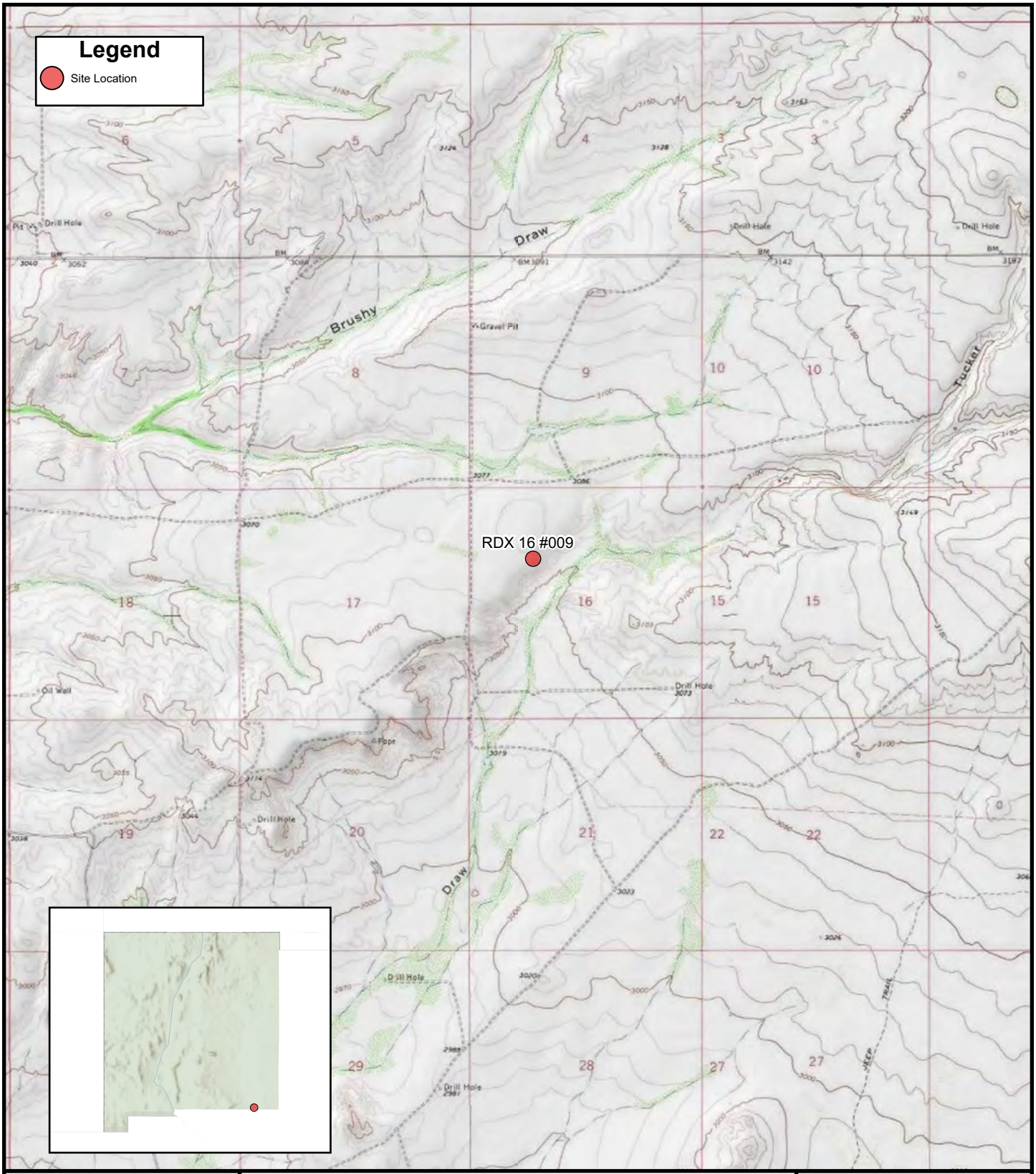


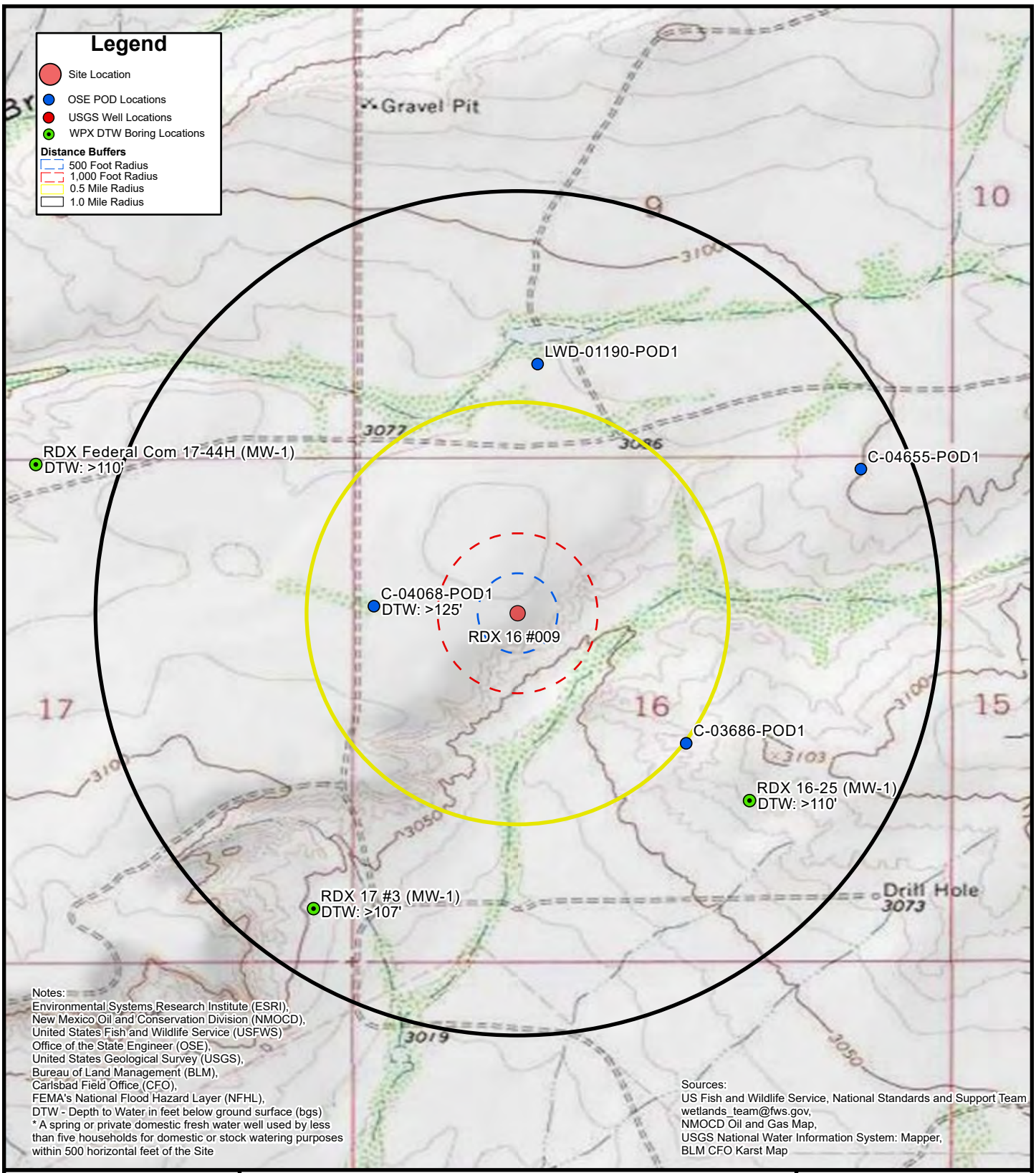
FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

0 2,000 4,000 Feet



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)
* A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes within 500 horizontal feet of the Site

Sources:
US Fish and Wildlife Service, National Standards and Support Team wetlands_team@fws.gov,
NMOCD Oil and Gas Map,
USGS National Water Information System: Mapper,
BLM CFO Karst Map

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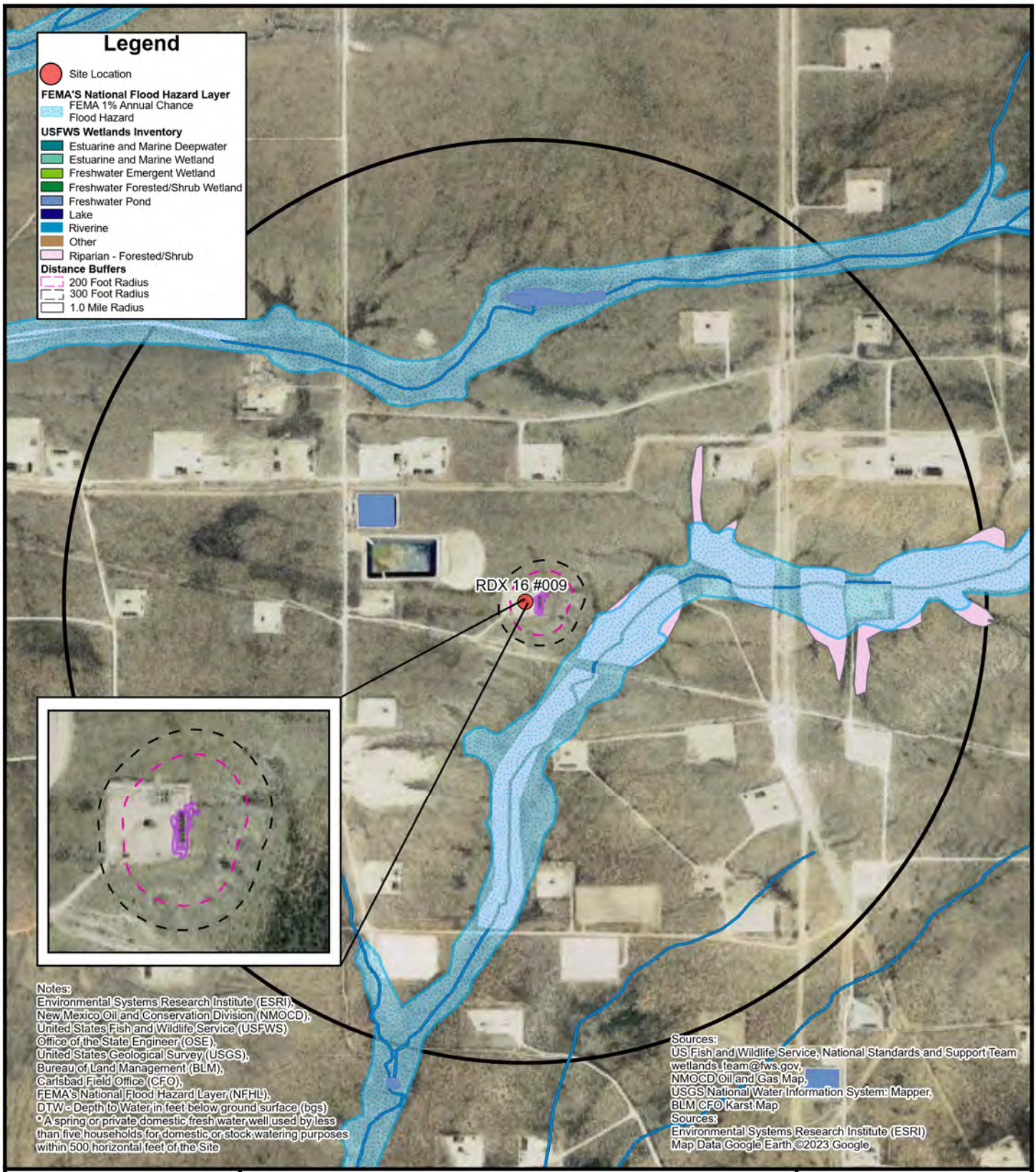
FIGURE 1A
Site Characterization Map
Ground Water

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



eTECH

FIGURE 1B

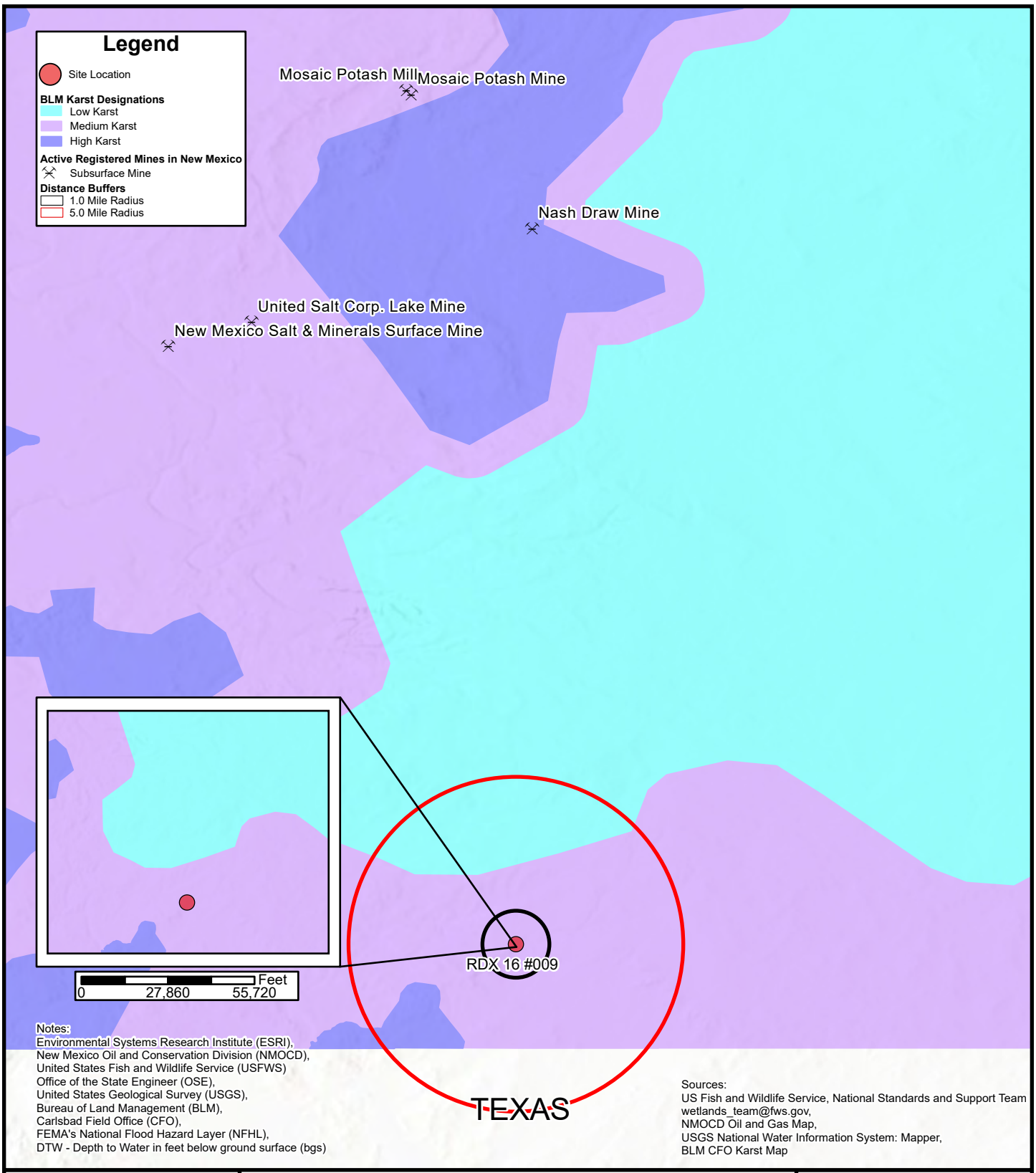
Site Characterization Map

Surficial Receptors

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

0 500 1,000 Feet



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water in feet below ground surface (bgs)

Sources:
US Fish and Wildlife Service, National Standards and Support Team
wetlands_team@fws.gov,
NMOCD Oil and Gas Map,
USGS National Water Information System: Mapper,
BLM CFO Karst Map

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FIGURE 1C

Site Characterization Map

Subsurface Receptors

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

Feet
0
10,000
20,000

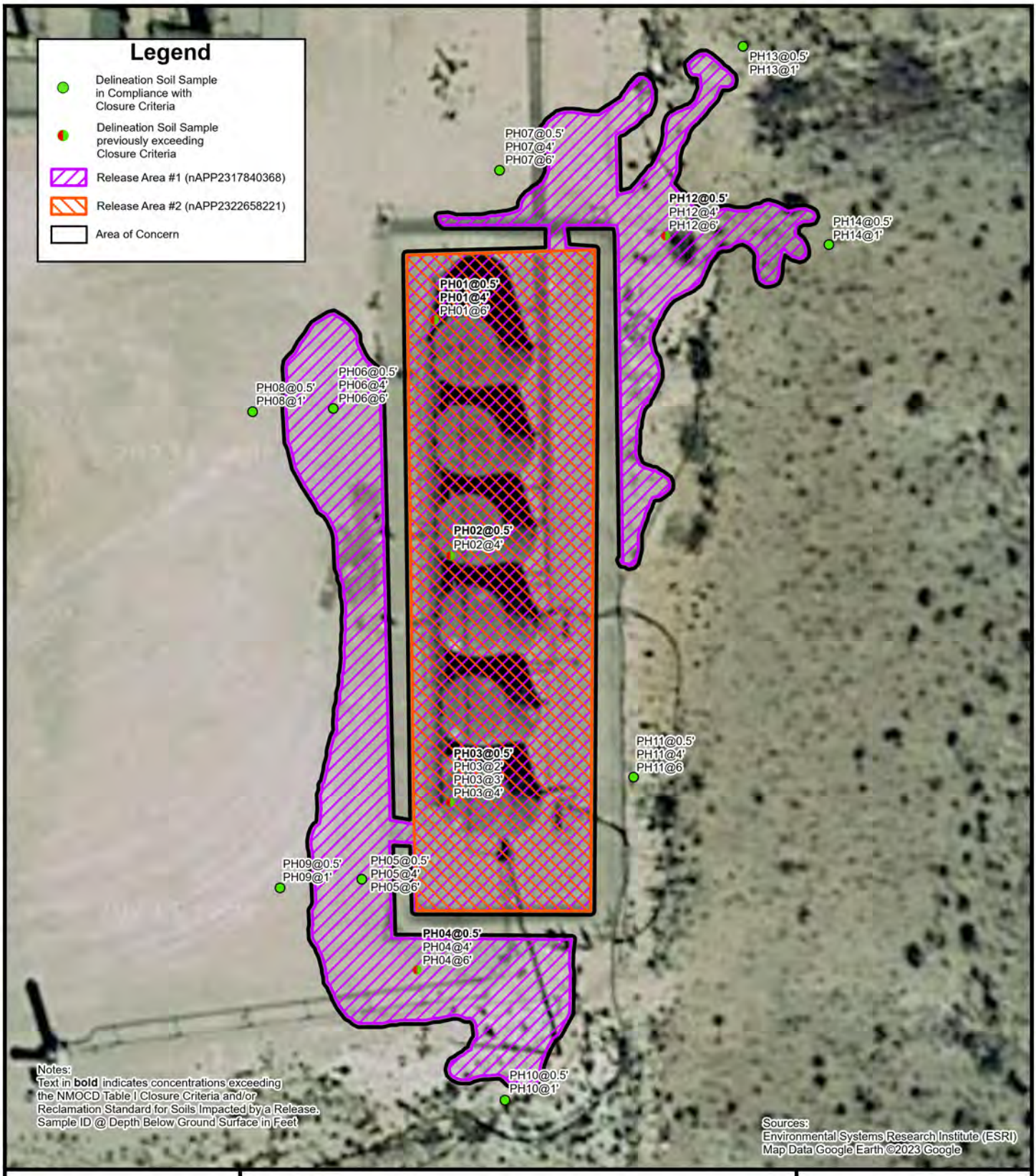

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FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

0 15 30 Feet

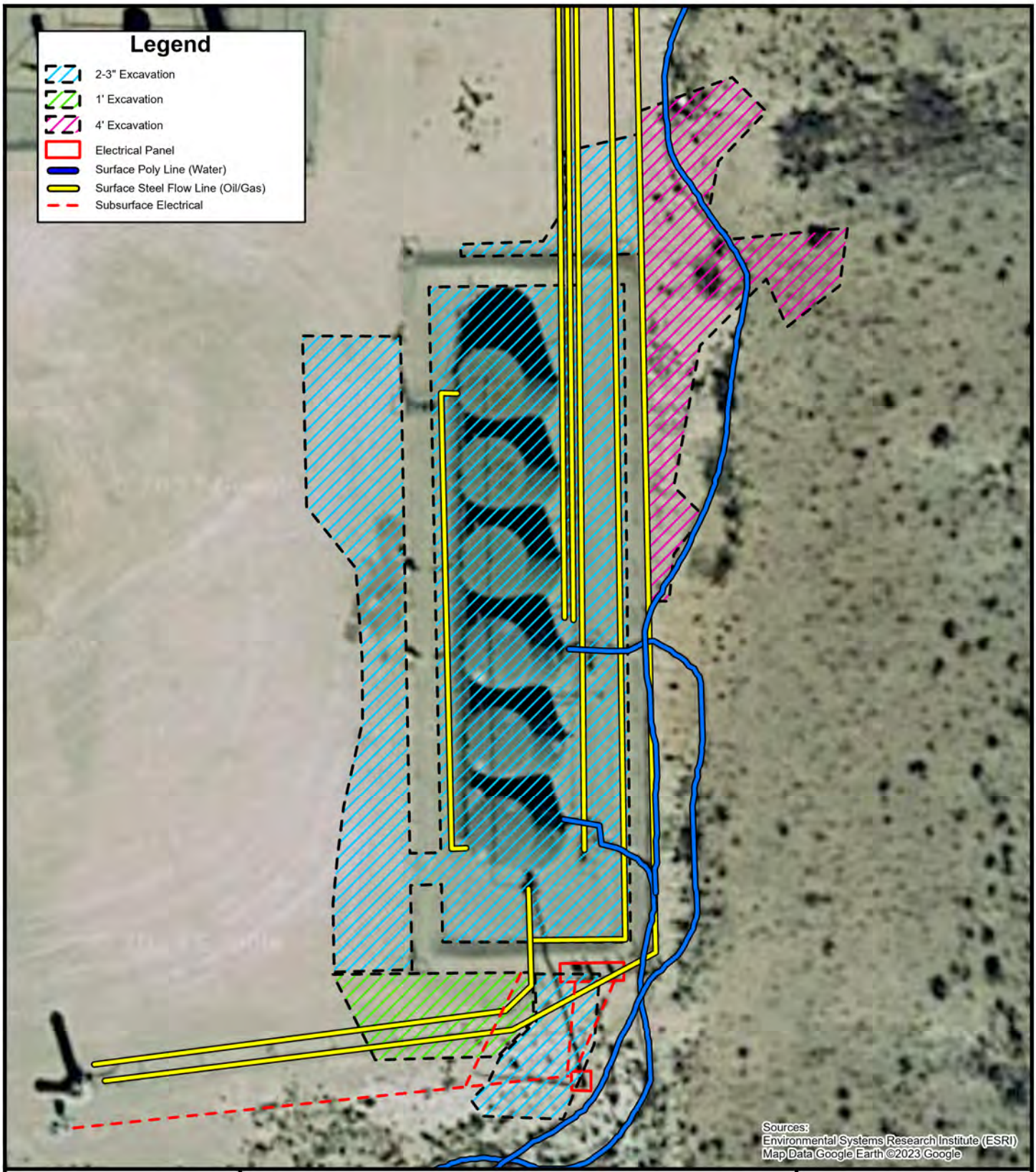

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FIGURE 3

Proposed Excavation Extents

WPX ENERGY PERMIAN, LLC
RDX 16 #009
Unit F Sec 16 T26S R30E
Eddy County, New Mexico

N

0 15 30 Feet

APPENDIX B

NMOCD Notifications

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 <Devon-Team@etechenv.com>
Subject: [EXTERNAL] RDX 16-9H Extension Request - nAPP2322658221 and nAPP2322658221

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

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)

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following sites between October 16th through October 20th, 2023:

Proposed Date: October 16, 20023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDU 34
Incident Number: nAPP2326833391
API: 30-015-41578

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

API: 30-015-41266

Proposed Date: October 17, 20023, October 18, 2023, October 19, 2023, October 20, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 16 #009
Incident Numbers: nAPP2322658221 & nAPP2317840368
API: 30-015-39752

Proposed Date: October 16, 2023, October 17, 2023, October 18, 2023, October 19, 2023, October 20, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDU 11
Incident Numbers: nAPP2200728755, nAB1712951426, nAB1728551205, nAB1728553778, & nHMP1412241998
API: 30-015-24307

Thank you,

Erick Herrera
Staff Geologist

eTECH Environmental & Safety Solutions, Inc.

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

From: Erick Herrera <erick@etechenv.com>
Sent: Monday, November 6, 2023 7:56 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; eco@slo.state.nm.us
Cc: Raley, Jim <jim.raley@dvn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] (WPX Site Sampling Notification) RDX 16 #009 (nAPP2317840368) 6/26/2023 & (nAPP2322658221) 8/14/2023

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

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2017 MAY 17 PM 1:58

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
C-4068 POD1	C-4068
WELL OWNER NAME(S)	**PHONE (OPTIONAL)**
RKI Exploration and Production, LLC	
WELL OWNER MAILING ADDRESS	**CITY / STATE / ZIP**
3500 One Williams Center MD 35,	Tulsa / OK / 74172

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	2	43.95	N
	LONGITUDE	103	53	39.23	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NW/4SW/4NW/4 Section 16, Township 26S, Range 30 E, N.M.P.M.

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
5/11/2017	5/12/2017	n/a	125	none encountered

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: hollow stem auger with air rotary

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	125	±6.625	n/a	n/a	n/a	n/a	n/a

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
n/a	n/a	n/a	n/a	n/a	n/a

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 10/29/15)

FILE NUMBER	C-4068	POD NUMBER	1	TRN NUMBER	6006777
LOCATION	26S. 30E. 16.1.3.1			EXPL	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	white caliche small gravel	Y ✓ N	
5	20	15	light brown fine sand with small gravel	Y ✓ N	
20	40	20	tan sand, medium gravel, sandstone	Y ✓ N	
40	50	10	white tannish sand/sandstone	Y ✓ N	
50	90	40	tannish very fine sandstone	Y ✓ N	
90	110	20	fine reddish tan sandstone	Y ✓ N	
110	125	15	fine reddish sandstone with small layers of reddish clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD

MISCELLANEOUS INFORMATION: Log adapted from Souder Miller & Associates oversight. Boring to determine presence/absence of water. Boring advanced with combination of air rotary and hollow stem auger tooling. No water encountered. Boring not converted to well. Boring abandoned see plugging record.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Guadalupe "Lupe" Leyba, Shane Eldridge

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Jackie D. Atkins — 5/17/2017

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 10/29/2015)

FILE NUMBER	C-4068	POD NUMBER	1	TRN NUMBER	6006777
LOCATION	26S.30E.16.1.3.1			EXPL	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 Nbr: 606777
File Nbr: C 04068
Well File Nbr: C 04068 POD1

Jun. 12, 2017

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

Greetings:

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

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

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

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

Sincerely,

Deborah Dunaway
(575)622-6521

drywell

APPENDIX D

Lithologic Sampling Logs

eTECH	Sample Name: PH01	Date: 10/19/2023 & 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	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	4,400	51.7	No	PH01	0.5			
Dry	9,232	6.4	No		1	1		
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	5		
Dry	708	0	No	PH01	6	6		
						Total Depth		

eTECH	Sample Name: PH02	Date: 10/19/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 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.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					0	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	4,060	93	No	PH02	0.5			
Dry	7,764	76	No		1	1		
Dry	18,384	0	No		2	2		
Dry	1,696	0	No		3	3		
Dry	1,584	0	No	PH02	4	4		

Total Depth

eTECH	Sample Name: PH03	Date: 10/19/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 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.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					0	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	4,060	202.3	No	PH03	0.5			
Dry	900	93.1	No		1	1		
Dry	188	8.2	No	PH03	2	2		
Dry	<112	3.8	No	PH03	3	3		
Dry	444	0.3	No	PH03	4	4		
						Total Depth		

eTECH	Sample Name: PH04	Date: 10/19/2023 & 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	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	26,960	0.4	No	PH04	0.5			
Dry	7,764	0.2	No		1	1		
Dry	3,180	0	No		2	2		
						3		
Dry	592	0	No	PH04	4	4		
					5	5		
Dry	248	0	No	PH04	6	6		

Total Depth

eTECH	Sample Name: PH05	Date: 10/19/2023 & 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	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	14,780	0.5	No	PH05	0.5			
Dry	6,576	0.3	No		1	1		
Dry	3,180	0	No		2	2		
						3		
Dry	140	0	No	PH05	4	4		
					5	5		
Dry	164	0	No	PH05	6	6		

Total Depth

eTECH	Sample Name: PH06	Date: 10/19/2023 & 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	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	10,068	0	No	PH06	0.5			
Dry	900	0	No		1	1		
Dry	708	0	No		2	2		
						3		
Dry	<112	0	No	PH06	4	4		
					5	5		
Dry	164	0	No	PH06	6	6		
						Total Depth		

eTECH	Sample Name: PH07	Date: 10/19/2023 & 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	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	<112	0	No	PH07	0.5			
Dry	<112	0	No		1	1		
Dry	<112	0	No		2	2		
						3		
Dry	<112	0	No	PH07	4	4		
					5	5		
Dry	<112	0	No	PH07	6	6		
						Total Depth		

eTECH	Sample Name: PH08	Date: 10/19/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 1'

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
					0	0	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.
Dry	396	0	No	PH08	0.5			
Dry	216	0	No	PH08	1	1		
						Total Depth		

eTECH	Sample Name: PH09	Date: 10/19/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 1'

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
					0	0	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.
Dry	192	0	No	PH09	0.5			
Dry	<112	0	No	PH09	1	1		
						Total Depth		

eTECH	Sample Name: PH10	Date: 10/19/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Hand Auger
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 1'

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
					0	0	SW-SM	(0-1') SAND, dry, light brown, fine to coarse grain, well graded,some small gravel (0.5-1cm), trace silt, no stain, no odor.
Dry	<112	0	No	PH10	0.5			
Dry	<112	0	No	PH10	1	1		
						Total Depth		

eTECH	Sample Name: PH11	Date: 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	0	SW-SM	(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, no stain, no odor.
Dry	<112	0	No	PH11	0.5			
Dry	<112	0	No		1	1	CCHE	(1-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.
Dry	<112	0	No		2	2		
						3		
Dry	<112	0	No	PH11	4	4		
					5	5		
Dry	<112	0	No	PH11	6	6		

Total Depth

eTECH	Sample Name: PH12	Date: 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 6'

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
					0	0	SW-SM	(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, no stain, no odor.
Dry	14,780	0	No	PH12	0.5			
Dry	14,780	0	No		1	1	CCHE	(1-6') CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.
Dry	14,780	0	No		2	2		
Dry	14,780	0	No			3		
Dry	14,780	0	No	PH12	4	4		
					5	5		
Dry	972	0	No	PH12	6	6		

Total Depth

eTECH	Sample Name: PH13	Date: 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH13	0 0.5	0	SW-SM	(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, no stain, no odor.
Dry	<112	0	No	PH13	1	1	CCHE	@ 1' CALICHE, dry, tan, fine to coarse grain, well graded, some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.

Total Depth

eTECH	Sample Name: PH14	Date: 11/09/2023
	Site Name: RDX 16 #009	
	Incident Number: nAPP2317840368 & nAPP2322658221	
	Job Number: 18134	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: EK	Method: Backhoe
Site Coordinates: 32.0453507, -103.8899200	Hole Diameter: N/A	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH14	0 0.5	0	SW-SM	(0-1') SAND, dry, light brown, fine to coarse grain, well graded, some small gravel (1-2cm), trace silt, no stain, no odor.
Dry	<112	0	No	PH14	1	1	CCHE	@ 1' CALICHE, dry, tan, fine to coarse grain, well graded some small gravel (1-3cm), trace silt, poorly consolidated, no stain, no odor.

Total Depth

APPENDIX E

Photographic Log

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

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.

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

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

Photograph 8 **Date:11/09/2023**
Description: Southwestern view of delineation activities near PH14.

APPENDIX F

Tables

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Numbers nAPP2317840368 & nAPP2322658221										
PH01	10/19/2023	0.5	<0.0250	0.0335	<20.0	4,050	1,940	**4,050**	**5,990**	4,760
PH01	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**23,300**
PH01	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	482
PH02	10/19/2023	0.5	<0.0250	<0.0500	69.7	5,870	2,280	**5,940**	**8,220**	5,060
PH02	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,440
PH03	10/19/2023	0.5	<0.0250	3.47	133	18,200	7,160	**18,300**	**25,500**	4,840
PH03	10/19/2023	2	<0.0250	<0.0500	<20.0	33.7	<50.0	33.7	33.7	236
PH03	10/19/2023	3	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	37.8
PH03	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	489.0
PH04	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**25,200**
PH04	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
PH04	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	299
PH05	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,700
PH05	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	155
PH05	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
PH06	10/19/2023	0.5	<0.0250	<0.0500	<20.0	32.0	<50.0	32.0	32.0	11,600
PH06	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.9
PH06	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
PH07	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
PH07	10/19/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.5
PH07	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.9
PH08	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	259
PH08	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
PH09	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
PH09	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.7
PH10	10/19/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
PH10	10/19/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.2
PH11	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
PH11	11/09/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
PH11	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200

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

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples - Incident Numbers nAPP2317840368 & nAPP2322658221										
PH12	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**14,400**
PH12	11/09/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,700
PH12	11/09/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	960
PH13	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.7
PH13	11/09/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
PH14	11/09/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
PH14	11/09/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard † for Soils Impacted by a Release*
† The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas, to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX G

Laboratory Analytical Reports & Chain-of-Custody Documentation

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

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310209
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

Date Reported: 10/27/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #009
Workorder: E310209
Date Received: 10/23/2023 8:15:00AM

Gilbert Moreno,

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

The analytical test results summarized in this report with the Project Name: RDX 16 #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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 2:09:04PM

PH01 0.5'

E310209-01

Analyte	Result	Reporting Limit	Dilution	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	**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	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	**4050**	250	10	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	**1940**	500	10	10/23/23	10/25/23	
Surrogate: n-Nonane		*88.1 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**4760**	40.0	2	10/25/23	10/27/23	

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 2:09:04PM

PH01 4'

E310209-02

Analyte	Result	Reporting Limit	Dilution	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		*100 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**23300**	1000	50	10/25/23	10/27/23	

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 2:09:04PM

PH02 0.5'

E310209-03

Analyte	Result	Reporting Limit	Dilution	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		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	**69.7**	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	Analyst: RAS			Batch: 2343072
Chloride	**5060**	100	5	10/25/23	10/27/23	

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 2:09:04PM

PH02 4'

E310209-04

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

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
LCS (2343025-BS1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.19	0.0250	2.50		87.8	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.25	0.0250	2.50		90.1	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.65	0.0250	7.50		88.7	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike (2343025-MS1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.38	0.0250	2.50	ND	95.0	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.35	0.0250	2.50	ND	94.0	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike Dup (2343025-MSD1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 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*			

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

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343044-BLK1)									Prepared: 10/24/23 Analyzed: 10/26/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2343044-BS1)									Prepared: 10/24/23 Analyzed: 10/26/23
Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.68*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2343044-MS1)				**Source: E310226-02**					Prepared: 10/24/23 Analyzed: 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			
p,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: E310226-02**					Prepared: 10/24/23 Analyzed: 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	
Toluene	5.43	0.0250	5.00	ND	108	61-130	2.59	20	
o-Xylene	5.37	0.0250	5.00	ND	107	63-131	2.73	20	
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	2.61	20	
Total Xylenes	16.3	0.0250	15.0	ND	108	63-131	2.65	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 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: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.3*	*70-130*			
Matrix Spike (2343025-MS2)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2343025-MSD2)				**Source: E310207-01**					Prepared: 10/23/23 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*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343044-BLK1)									Prepared: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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*			

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343042-BLK1)									Prepared: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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*			

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

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343072-BLK1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				**Source: E310202-01**					Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				**Source: E310202-01**					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 14:09

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 Information **Chain of Custody**

Client Information	Bill To	Lab Use Only	TAT	EPA Program
Client: WPX Energy Permian, LLC.				
Project: RDX 16 #009	Attention: Jim Raley	Lab WO#: E310209; Job Number: 01058-0007	1D / 2D / 3D / Standard: 5 day TAT	CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.			RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220			
City, State, Zip: Odessa, TX, 79765	Phone: 575-885-7502			
Phone: 832-541-7719	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21191055			
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368			

State: NM (x) / CO / UT / AZ / TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:00	10.19.23	S	1	PH01	1	0.5'								x				
9:10	10.19.23	S	1	PH01	2	4'								x				
9:20	10.19.23	S	1	PH02	3	0.5'								x				
9:30	10.19.23	S	1	PH02	4	4'								x				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10-23-23	8:15

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

Envirotech Analytical Laboratory

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

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)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310203
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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

Sample Data

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

PH03 0.5'

E310203-01

Analyte	Result	Reporting Limit	Dilution	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	**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	Analyst: 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	Analyst: 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	Analyst: RAS			Batch: 2343043
Chloride	**4840**	40.0	2	10/24/23	10/24/23	

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 10:13:05AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343024-BLK1)									Prepared: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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 10:13:05AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 10:13:05AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E310238-03**					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 10:13

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.

Project Information | **Chain of Custody** | Page 1 of 1

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: 21191055
Incident ID: nAPP2322658221, nAPP2317840368

Lab Use Only

Lab WO# E310203 | Job Number 01058.0007

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
x				

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:40	10.19.23	S	1	PH03	1	0.5'								X				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Faith~~	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	Cauthman	10.23.23	8:15

Lab Use Only
Received on ice: Y / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

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

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23 08:15	Work Order ID:	E310203
Phone:	(539) 573-4018	Date Logged In:	10/23/23 09:13	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E310206

Job Number: 01058-0007

Received: 10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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

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 10:20:28AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343024-BLK1)									Prepared: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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 10:20:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 10:20:28AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E310238-03**					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 10:20

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 Information | **Chain of Custody** | Page __1__ of __1__

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21191055	
Incident ID: nAPP2322658221, nAPP2317840368	

Lab Use Only		TAT				EPA Program	
Lab WO# E310200	Job Number 1058-0007	1D	2D	3D	Standard 5 day TAT	CWA	SDWA
							RCRA

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
9:50	10.19.23	S	1	PH03	1	2'								X				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~Edyte~~	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	Cath Mar	10-23-23	8:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

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

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

Envirotech Analytical Laboratory

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

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:	10/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310205
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

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Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 3'	E310205-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:17:33AM

PH03 3'

E310205-01

Analyte	Result	Reporting Limit	Dilution	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		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	**25.2**	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		*85.3 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343043
Chloride	**37.8**	20.0	1	10/24/23	10/24/23	

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 10:17:33AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343024-BLK1)									Prepared: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 10:17:33AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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 10:17:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 10:17:33AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E310238-03**					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 10:17

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.

Project Information — **Chain of Custody** —

Client: WPX Energy Permian, LLC.	**Bill To**
Project: RDX 16 #009	Attention: Jim Raley
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502
Phone: 832-541-7719	Email: jim.raley@dvn.com
Email: Devon-team@etechenv.com	WO: 21191055
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E310205	01058-0007				5 day TAT		RCRA

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	10.19.23	S	1	PH03	1	3'								X				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10-23-23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

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Envirotech Analytical Laboratory

Printed: 10/23/2023 12:47:38PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23 08:15	Work Order ID:	E310205
Phone:	(539) 573-4018	Date Logged In:	10/23/23 09:16	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310215
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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ljarboe@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

Analyte	Result	Reporting Limit	Dilution	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		*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	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	10/24/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/23	10/24/23	
Surrogate: n-Nonane		*96.5 %*	*50-200*	*10/24/23*	*10/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**489**	40.0	2	10/25/23	10/27/23	

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 2:11:18PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
LCS (2343025-BS1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.19	0.0250	2.50		87.8	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.25	0.0250	2.50		90.1	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.65	0.0250	7.50		88.7	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike (2343025-MS1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.38	0.0250	2.50	ND	95.0	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.35	0.0250	2.50	ND	94.0	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike Dup (2343025-MSD1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 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*			

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 2:11:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 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: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.3*	*70-130*			
Matrix Spike (2343025-MS2)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2343025-MSD2)				**Source: E310207-01**					Prepared: 10/23/23 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*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:11:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343042-BLK1)									Prepared: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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: 10/24/23 Analyzed: 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*			

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 2:11:18PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343072-BLK1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				**Source: E310202-01**					Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				**Source: E310202-01**					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 14:11

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 Information | **Chain of Custody** | Page __1__ of __1__

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	Lab Use Only		TAT				EPA Program	
Attention: Jim Raley	Lab WO# E310215	Job Number 01058-0007	1D	2D	3D	Standard 5 day TAT	CWA	SDWA
Address: 5315 Buena Vista Dr.								RCRA
City, State, Zip: Carlsbad, NM, 88220	Analysis and Method							
Phone: 575-885-7502							State	
Email: jim.raley@dvn.com							NM CO UT AZ TX	
WO: 21191055							x	
Incident ID: nAPP2322658221, nAPP2317840368								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:10	10.19.23	S	1	PH03	1	4'						X		

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	10/20/23		Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10.23.23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

Envirotech Analytical Laboratory

Printed: 10/23/2023 12:38:26PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23 08:15	Work Order ID:	E310215
Phone:	(539) 573-4018	Date Logged In:	10/23/23 12:36	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310204
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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,

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Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 10:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 0.5'	E310204-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH04 4'	E310204-02A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH05 0.5'	E310204-03A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH05 4'	E310204-04A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH06 0.5'	E310204-05A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH06 4'	E310204-06A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.

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 10:15:36AM

PH04 0.5'

E310204-01

Analyte	Result	Reporting Limit	Dilution	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		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/24/23	
Surrogate: n-Nonane		*87.6 %*	*50-200*	*10/23/23*	*10/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343043
Chloride	**25200**	1000	50	10/24/23	10/24/23	

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 10:15:36AM

PH04 4'

E310204-02

Analyte	Result	Reporting Limit	Dilution	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		*99.0 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/24/23	
Surrogate: n-Nonane		*87.3 %*	*50-200*	*10/23/23*	*10/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343043
Chloride	**1620**	40.0	2	10/24/23	10/24/23	

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 10:15:36AM

PH05 0.5'

E310204-03

Analyte	Result	Reporting Limit	Dilution	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		*98.7 %*	*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	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	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	Analyst: RAS			Batch: 2343043
Chloride	**17700**	1000	50	10/24/23	10/24/23	

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 10:15:36AM

PH05 4'

E310204-04

Analyte	Result	Reporting Limit	Dilution	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	

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 10:15:36AM

PH06 0.5'

E310204-05

Analyte	Result	Reporting Limit	Dilution	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		*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	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	Analyst: 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	Analyst: RAS			Batch: 2343043
Chloride	**11600**	400	20	10/24/23	10/24/23	

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 10:15:36AM

PH06 4'

E310204-06

Analyte	Result	Reporting Limit	Dilution	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		*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	

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 10:15:36AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343024-BLK1)									Prepared: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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 10:15:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 10:15:36AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E310238-03**					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 Information

Chain of Custody

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only	
Project: RDX 16 #009	Attention: Jim Raley	Lab WO#: E310204	Job Number: 01058-0007
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21191055		
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368		

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:20	10.19.23	S	1	PH04	1	0.5'								x				
10:30	10.19.23	S	1	PH04	2	4'								x				
10:40	10.19.23	S	1	PH05	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'								x				
11:10	10.19.23	S	1	PH06	6	4'								x				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10.23.23	8:15

Lab Use Only

Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	10/23/23 08:15	Work Order ID:	E310204
Phone:	(539) 573-4018	Date Logged In:	10/23/23 09:14	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310208
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
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
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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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 2:07:32PM

PH07 0.5'

E310208-01

Analyte	Result	Reporting Limit	Dilution	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
Chloride	**55.4**	20.0	1	10/25/23	10/26/23	

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 2:07:32PM

PH07 4'

E310208-02

Analyte	Result	Reporting Limit	Dilution	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		*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	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		*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	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		*90.9 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**28.5**	20.0	1	10/25/23	10/27/23	

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 2:07:32PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343024-BLK1)									Prepared: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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: 10/23/23 Analyzed: 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*			
Surrogate: Toluene-d8	*0.541*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:07:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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 2:07:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 2:07:32PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343072-BLK1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				**Source: E310202-01**					Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				**Source: E310202-01**					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.

Client: WPX Energy Permian, LLC.	**Bill To**	**Lab Use Only** — Lab WO# E310208; Job Number 01058-0007	**TAT**: 1D / 2D / 3D / Standard (5 day TAT)
Project: RDX 16 #009	Attention: Jim Raley		**EPA Program**: CWA / SDWA / RCRA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		**State**: NM (x) / CO / UT / AZ / TX
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21191055		
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368		

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:20	10.19.23	S	1	PH07	1	0.5'								X				
11:30	10.19.23	S	1	PH07	2	4'								X				

10/20/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10.23.23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

Envirotech Analytical Laboratory

Printed: 10/23/2023 1:00:26PM

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)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E310207
Job Number:	01058-0007
Received:	10/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/23

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
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
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH08 0.5'	E310207-01A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH08 1'	E310207-02A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH09 0.5'	E310207-03A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH09 1'	E310207-04A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH10 0.5'	E310207-05A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.
PH10 1'	E310207-06A	Soil	10/19/23	10/23/23	Glass Jar, 2 oz.

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 2:05:24PM

PH08 0.5'

E310207-01

Analyte	Result	Reporting Limit	Dilution	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		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/23	10/25/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2343027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		*87.9 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**259**	20.0	1	10/25/23	10/26/23	

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 2:05:24PM

PH08 1'

E310207-02

Analyte	Result	Reporting Limit	Dilution	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	

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 2:05:24PM

PH09 0.5'

E310207-03

Analyte	Result	Reporting Limit	Dilution	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		*98.0 %*	*70-130*	*10/23/23*	*10/25/23*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*10/23/23*	*10/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2343025
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: 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		*85.4 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**159**	20.0	1	10/25/23	10/26/23	

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 2:05:24PM

PH09 1'

E310207-04

Analyte	Result	Reporting Limit	Dilution	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		*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	

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 2:05:24PM

PH10 0.5'

E310207-05

Analyte	Result	Reporting Limit	Dilution	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		*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	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	10/23/23	10/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/23	10/25/23	
Surrogate: n-Nonane		*91.3 %*	*50-200*	*10/23/23*	*10/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2343072
Chloride	**157**	20.0	1	10/25/23	10/26/23	

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 2:05:24PM

PH10 1'

E310207-06

Analyte	Result	Reporting Limit	Dilution	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	

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 2:05:24PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
LCS (2343025-BS1)									Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.19	0.0250	2.50		87.8	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.25	0.0250	2.50		90.1	70-130			
p,m-Xylene	4.40	0.0500	5.00		88.0	70-130			
Total Xylenes	6.65	0.0250	7.50		88.7	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike (2343025-MS1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Benzene	2.38	0.0250	2.50	ND	95.0	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135			
Toluene	2.35	0.0250	2.50	ND	94.0	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135			
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.498*		*0.500*		*99.5*	*70-130*			
Matrix Spike Dup (2343025-MSD1)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 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*			

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 2:05:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343025-BLK1)									Prepared: 10/23/23 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: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.3*	*70-130*			
Matrix Spike (2343025-MS2)				**Source: E310207-01**					Prepared: 10/23/23 Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2343025-MSD2)				**Source: E310207-01**					Prepared: 10/23/23 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*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/2023 2:05:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343027-BLK1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			
LCS (2343027-BS1)									Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*47.7*		*50.0*		*95.3*	*50-200*			
Matrix Spike (2343027-MS1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2343027-MSD1)				**Source: E310204-06**					Prepared: 10/23/23 Analyzed: 10/24/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132	6.88	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

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 2:05:24PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2343072-BLK1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	ND	20.0							
LCS (2343072-BS1)									Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2343072-MS1)				**Source: E310202-01**					Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	364	20.0	250	96.3	107	80-120			
Matrix Spike Dup (2343072-MSD1)				**Source: E310202-01**					Prepared: 10/25/23 Analyzed: 10/26/23
Chloride	368	20.0	250	96.3	109	80-120	0.938	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/27/23 14:05

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | **Chain of Custody** |

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only	TAT	EPA Program
Project: RDX 16 #009	Attention: Jim Raley	Lab WO# E310207; Job Number 01058-0007	1D / 2D / 3D / Standard: 5 day TAT	CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	Analysis and Method		RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220			
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		State: NM (x) / CO / UT / AZ / TX	
Phone: 832-541-7719	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21191055			
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:40	10.19.23	S	1	PH08	1	0.5'								x				
11:50	10.19.23	S	1	PH08	2	1'								x				
12:00	10.19.23	S	1	PH09	3	0.5'								x				
12:10	10.19.23	S	1	PH09	4	1'								x				
12:20	10.19.23	S	1	PH10	5	0.5'								x				
12:30	10.19.23	S	1	PH10	6	1'								x				
				10/20/2023														

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/20/23	10:45	Michelle Gonzales	10-20-23	1045
Michelle Gonzales	10-20-23	1700	[signature]	10-23-23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

Envirotech Analytical Laboratory

Printed: 10/23/2023 12:58:03PM

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)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Envirotech Analytical Laboratory

Printed: 10/23/2023 12:58:03PM

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)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311103
Job Number:	04108-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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
Laboratory Director
Office: 505-632-1881
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whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

PH01 6'

E311103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: 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	Analyst: 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	Analyst: BA			Batch: 2346090
Chloride	**482**	20.0	1	11/16/23	11/16/23	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346097-BLK1)									Prepared: 11/16/23 Analyzed: 11/17/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.6*	*70-130*			
LCS (2346097-BS1)									Prepared: 11/16/23 Analyzed: 11/17/23
Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.70	0.0250	5.00		94.0	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.8*	*70-130*			
Matrix Spike (2346097-MS1)				**Source: E311115-22**					Prepared: 11/16/23 Analyzed: 11/17/23
Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.30	0.0250	5.00	ND	106	61-130			
o-Xylene	5.28	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.7*	*70-130*			
Matrix Spike Dup (2346097-MSD1)				**Source: E311115-22**					Prepared: 11/16/23 Analyzed: 11/17/23
Benzene	5.21	0.0250	5.00	ND	104	54-133	1.82	20	
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133	1.81	20	
Toluene	5.19	0.0250	5.00	ND	104	61-130	2.07	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	1.91	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	2.03	20	
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131	1.99	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346097-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311115-22**					Prepared: 11/16/23 Analyzed: 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: E311115-22**					Prepared: 11/16/23 Analyzed: 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*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346075-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311102-27**					Prepared: 11/16/23 Analyzed: 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: E311102-27**					Prepared: 11/16/23 Analyzed: 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*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 1:02:38PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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: WPX Energy Permian, LLC.	Bill To	Lab Use Only	TAT				EPA Program	
Project: RDX 16 #009	Attention: Jim Raley	Lab WO# E311103	Job Number ~~01068-0009~~	1D	2D	3D	Standard	CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.						5 day TAT	
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method						RCRA
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502							
Phone: 832-541-7719	Email: jim.raley@dvn.com						State	
Email: Devon-team@etechenv.com	WO: 21191055						NM CO UT AZ TX	
	Incident ID: nAPP2322658221, nAPP2317840368						x	
Collected by: Edyte Konan								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:00	11.09.23	S	1	PH01		6'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023			11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 _____ T2 _____ T3 _____
AVG Temp °C _____

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

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

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311103
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13:03	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311104
Job Number:	04108-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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.

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If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 6'	E311104-01A	Soil	11/18/23	11/13/23	Glass Jar, 4 oz.

Sample Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

PH04 6'

E311104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: 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: JL			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	

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347012-BLK1)									Prepared: 11/20/23 Analyzed: 11/20/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.551*		*0.500*		*110*	*70-130*			
LCS (2347012-BS1)									Prepared: 11/20/23 Analyzed: 11/20/23
Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.71	0.0250	2.50		108	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.76	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike (2347012-MS1)				**Source: E311148-01**					Prepared: 11/20/23 Analyzed: 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: E311148-01**					Prepared: 11/20/23 Analyzed: 11/21/23
Benzene	2.56	0.0250	2.50	ND	102	48-131	3.83	23	
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135	2.58	27	
Toluene	2.68	0.0250	2.50	ND	107	48-130	2.05	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	2.48	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	2.08	27	
Total Xylenes	7.57	0.0250	7.50	ND	101	43-135	2.22	27	
Surrogate: Bromofluorobenzene	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347012-BLK1)									Prepared: 11/20/23 Analyzed: 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: 11/20/23 Analyzed: 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: E311148-01**					Prepared: 11/20/23 Analyzed: 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*			
Matrix Spike Dup (2347012-MSD2)				**Source: E311148-01**					Prepared: 11/20/23 Analyzed: 11/21/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	0.678	20	
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.555*		*0.500*		*111*	*70-130*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/2023 10:13:17AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347005-BLK1)									Prepared: 11/20/23 Analyzed: 11/20/23
Chloride	ND	20.0							
LCS (2347005-BS1)									Prepared: 11/20/23 Analyzed: 11/20/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2347005-MS1)				**Source: E311137-02**					Prepared: 11/20/23 Analyzed: 11/20/23
Chloride	9930	400	250	10200	NR	80-120			M4
Matrix Spike Dup (2347005-MSD1)				**Source: E311137-02**					Prepared: 11/20/23 Analyzed: 11/20/23
Chloride	10000	400	250	10200	NR	80-120	0.769	20	M4

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04108-0639	**Reported:**
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.

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etecheny.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21191055	
Incident ID: nAPP2322658221, nAPP2317840368	

Lab Use Only: Lab WO# E311104 | Job Number 04108-0083

TAT: 1D | 2D | 3D | Standard (5 day TAT)

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:10	11 09 23	S	1	PH04	1	6'						X		

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023			11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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

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Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only		TAT	EPA Program
Project: RDX 16 #009	Attention: Jim Raley	Lab WO# E311104	Job Number 04108-0068	1D / 2D / 3D / Standard: 5 day TAT	CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	Analysis and Method			RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220				State: NM x / CO / UT / AZ / TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502				
Phone: 832-541-7719	Email: jim.raley@dvn.com				
Email: Devon-team@etechenv.com	WO: 21191055				
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:10	11 09.23	S	1	PH04	1	6'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/10/2023		[signature]	11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

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Envirotech Analytical Laboratory

Printed: 11/13/2023 1:49:00PM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311104
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13:46	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/20/23 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311105
Job Number:	04108-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

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
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Alexa Michaels
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH05 6'	E311105-01A	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

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*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	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	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	

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346076-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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*			

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

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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

Chain of Custody

0408-0639

Client: WPX Energy Permian, LLC.	Bill To
Project: RDX 16 #009	Attention: Jim Raley
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502
Phone: 832-541-7719	Email: jim.raley@dvn.com
Email: Devon-team@etechenv.com	WO: 21191055
	Incident ID: nAPP2322658221, nAPP2317840368
Collected by: Edyte Konan	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E311105	018				5 day TAT		
							RCRA

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:20	11.09.23	S	1	PH05	1	6'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/10/2023		[signature]	11/13/23	9:00

Lab Use Only
Received on ice: (Y) / N
T1 ______ T2 ______ T3 ______
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:44:54AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311105
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13:50	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311106
Job Number:	04018-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

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
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

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Table of Contents

Sample Summary

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

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.8 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	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	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	**222**	200	10	11/16/23	11/16/23	

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 2:25:49PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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 2:25:49PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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 2:25:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346076-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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*			

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 2:25:49PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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 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.

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only	TAT	EPA Program
Project: RDX 16 #009	Attention: Jim Raley	Lab WO#: E311106 / Job Number: 04018-0089	1D / 2D / 3D / Standard: 5 day TAT	CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	Analysis and Method		RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220			State: NM x / CO / UT / AZ / TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502			
Phone: 832-541-7719	Email: jim.raley@dvn.com			
Email: Devon-team@etechenv.com	WO: 21191055			
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:30	11.09.23	S	1	PH06	1	6'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/10/2023		[signature]	11/13/23	9:00

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ________

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:34:29AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311106
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13:53	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311107
Job Number:	04018-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/20/23

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
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	04018-0639	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/23 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

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.9 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346075
Diesel Range Organics (C10-C28)	ND	25.0	1	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	Analyst: BA			Batch: 2346090
Chloride	**31.9**	20.0	1	11/16/23	11/16/23	

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	11/20/2023 3:59:43PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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	11/20/2023 3:59:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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	11/20/2023 3:59:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346075-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311102-27**					Prepared: 11/16/23 Analyzed: 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: E311102-27**					Prepared: 11/16/23 Analyzed: 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*			

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	11/20/2023 3:59:43PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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	11/20/23 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.

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip: Carlsbad, NM, 88220
Phone: 575-885-7502
Email: jim.raley@dvn.com
WO: 21191055
Incident ID: nAPP2322658221, nAPP2317840368

Lab Use Only

Lab WO# E311107 Job Number 04018-0089

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA
	RCRA

State

NM	CO	UT	AZ	TX	
x					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:40	11.09.23	S	1	PH07	1	6'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023			11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:35:27AM

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:	E311107
Phone:	(539) 573-4018	Date Logged In:	11/13/23 13:57	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 the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311108
Job Number:	01058-0007
Received:	11/13/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Lynn Jarboe
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ljarboe@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 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.

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	11/22/2023 10:50:27AM

PH11 0.5'

E311108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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		*96.6 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*11/16/23*	*11/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346090
Chloride	**104**	20.0	1	11/16/23	11/16/23	

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	11/22/2023 10:50:27AM

PH11 4'

E311108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		*92.5 %*	*50-200*	*11/16/23*	*11/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346090
Chloride	ND	200	10	11/16/23	11/16/23	

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	11/22/2023 10:50:27AM

PH11 6'

E311108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		*83.3 %*	*50-200*	*11/16/23*	*11/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346090
Chloride	ND	200	10	11/16/23	11/16/23	

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	11/22/2023 10:50:27AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346023-BLK1)									Prepared: 11/14/23 Analyzed: 11/16/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
LCS (2346023-BS1)									Prepared: 11/14/23 Analyzed: 11/16/23
Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2346023-MS1)				**Source: E311089-03**					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*			
Matrix Spike Dup (2346023-MSD1)				**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*			

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	11/22/2023 10:50:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346023-BLK1)									Prepared: 11/14/23 Analyzed: 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: 11/14/23 Analyzed: 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: E311089-03**					Prepared: 11/14/23 Analyzed: 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: E311089-03**					Prepared: 11/14/23 Analyzed: 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*			

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	11/22/2023 10:50:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346080-BLK1)									Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.7*		*50.0*		*95.5*	*50-200*			
LCS (2346080-BS1)									Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	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

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 10:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	**Bill To**	**Lab Use Only**	**TAT** / **EPA Program**
Project: RDX 16 #009	Attention: Jim Raley	Lab WO#: E311108 / Job Number: 04018-0031	1D / 2D / 3D / Standard: 5 day TAT / CWA / SDWA
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.		RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		State: NM x / CO / UT / AZ / TX
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21191055		
Collected by: Edyte Konan	Incident ID: nAPP2322658221, nAPP2317840368		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
10:50	11.09.23	S	1	PH11	1	0.5'								x				
11:00	11.09.23	S	1	PH11	2	4'								x				
11:10	11.09.23	S	1	PH11	3	6'								x				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/10/2023		[signature]	11/13/23	9:00

Lab Use Only

Received on Ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:35:55AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311108
Phone:	(539) 573-4018	Date Logged In:	11/13/23 14:00	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311109
Job Number:	01058-0007
Received:	11/13/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/22/23

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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

Michelle Golzales
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/22/23 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.

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	11/22/2023 10:53:54AM

PH12 0.5'

E311109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*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	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	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	Analyst: BA			Batch: 2346090
Chloride	**14400**	400	20	11/16/23	11/16/23	

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	11/22/2023 10:53:54AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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	11/22/2023 10:53:54AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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	11/22/2023 10:53:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346079-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311128-03**					Prepared: 11/16/23 Analyzed: 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: E311128-03**					Prepared: 11/16/23 Analyzed: 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*			

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	11/22/2023 10:53:54AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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:	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.

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21191055	
Incident ID: nAPP2322658221, nAPP2317840368	

Lab Use Only

Lab WO# E311109 — Job Number 04018-0089

TAT

1D	2D	3D	Standard
			5 day TAT

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:20	11.09.23	S	1	PH12		0.5'								X				

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023			11/18/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:36:42AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311109
Phone:	(539) 573-4018	Date Logged In:	11/13/23 14:05	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #009

Work Order: E311110

Job Number: 04018-0639

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

Date Reported: 11/17/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 16 #009
Workorder: E311110
Date Received: 11/13/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 9:00:00AM, under the Project Name: RDX 16 #009.

The analytical test results summarized in this report with the Project Name: RDX 16 #009 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Table of Contents

Sample Summary

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

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 3:02:57PM

PH12 4'

E311110-01

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

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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 - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346080-BLK1)									Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.7*		*50.0*		*95.5*	*50-200*			
LCS (2346080-BS1)									Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	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

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1030	20.0	250	775	100	80-120	2.23	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #009	
5315 Buena Vista Dr	Project Number:	04018-0639	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/17/23 15:02

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Page __1__ of __1__

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21191055	
Incident ID: nAPP2322658221, nAPP2317840368	

Lab Use Only: Lab WO# E311110 | Job Number 04018-0008

TAT: 1D | 2D | 3D | Standard: 5 day TAT

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: Depth(ft.) | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	BGDOC NM	GDOC TX	Remarks
11:30	11.09.23	S	1	PH12	1	4'	X		

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023		Martin	11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:37:05AM

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 the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
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	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name:	RDX 16 #009
Work Order:	E311111
Job Number:	04018-0639
Received:	11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

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
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Southern New Mexico Area

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ljarboe@envirotech-inc.com

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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

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

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 3:00:38PM

PH12 6'

E311111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2346080
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*11/16/23*	*11/17/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346090
Chloride	**960**	200	10	11/16/23	11/17/23	

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 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: 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: 11/14/23 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*			

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 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: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 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*			

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346080-BLK1)									Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.7*		*50.0*		*95.5*	*50-200*			
LCS (2346080-BS1)									Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 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: E311108-03**					Prepared: 11/16/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	3.56	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

WPX Energy - Carlsbad	Project Name:	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

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311129-05**					Prepared: 11/16/23 Analyzed: 11/16/23
Chloride	1050	20.0	250	775	110	80-120			
Matrix Spike Dup (2346090-MSD1)				**Source: E311129-05**					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.

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.	
Project: RDX 16 #009	
Project Manager: Gilbert Moreno	
Address: 13000 W County Rd 100	
City, State, Zip_Odessa,TX, 79765	
Phone: 832-541-7719	
Email: Devon-team@etechenv.com	
Collected by: Edyte Konan	

Bill To	
Attention: Jim Raley	
Address: 5315 Buena Vista Dr.	
City, State, Zip: Carlsbad, NM, 88220	
Phone: 575-885-7502	
Email: jim.raley@dvn.com	
WO: 21191055	
Incident ID: nAPP2322658221, nAPP2317840368	

Lab Use Only	
Lab WO#	Job Number
E311111	04018-0089

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			5 day TAT		
					RCRA

State					
NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX		Remarks
11:40	11.09.23	S	1	PH12	1	6'								X				

Analysis and Method

11/10/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/2023			11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:38:00AM

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)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

Report to:

Gilbert Moreno

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 16 #008

Work Order: E311101

Job Number: 01058-0007

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/20/23

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
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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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	**Reported:**
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/23 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.

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

PH13 0.5'

E311101-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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		*96.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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		*105 %*	*50-200*	*11/16/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346094
Chloride	**94.7**	20.0	1	11/16/23	11/18/23	

Sample Data

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

PH13 1'

E311101-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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		*102 %*	*50-200*	*11/16/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346094
Chloride	ND	200	10	11/16/23	11/18/23	

Sample Data

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

PH14 0.5'

E311101-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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		*104 %*	*50-200*	*11/16/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346094
Chloride	**107**	20.0	1	11/16/23	11/18/23	

Sample Data

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

PH14 1'

E311101-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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		*105 %*	*50-200*	*11/16/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346094
Chloride	ND	200	10	11/16/23	11/18/23	

QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346023-BLK1)									Prepared: 11/14/23 Analyzed: 11/16/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.3*	*70-130*			
LCS (2346023-BS1)									Prepared: 11/14/23 Analyzed: 11/16/23
Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2346023-MS1)				**Source: E311089-03**					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*			
Matrix Spike Dup (2346023-MSD1)				**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*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346023-BLK1)									Prepared: 11/14/23 Analyzed: 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: 11/14/23 Analyzed: 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: E311089-03**					Prepared: 11/14/23 Analyzed: 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: E311089-03**					Prepared: 11/14/23 Analyzed: 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*			

QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346076-BLK1)									Prepared: 11/16/23 Analyzed: 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: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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: E311101-03**					Prepared: 11/16/23 Analyzed: 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*			

QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
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: E311101-03**					Prepared: 11/16/23 Analyzed: 11/18/23
Chloride	359	20.0	250	107	101	80-120			
Matrix Spike Dup (2346094-MSD1)				**Source: E311101-03**					Prepared: 11/16/23 Analyzed: 11/18/23
Chloride	349	20.0	250	107	96.9	80-120	2.99	20	

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

Definitions and Notes

WPX Energy - Carlsbad	Project Name:	RDX 16 #008	
5315 Buena Vista Dr	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/20/23 13:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 1 of 1

04108-0689

Client: WPX Energy Permian, LLC.	Bill To	Lab Use Only	TAT / EPA Program
Project: RDX 16 #009	Attention: Jim Raley	Lab WO# E.311101	Job Number 04108-0689
Project Manager: Gilbert Moreno	Address: 5315 Buena Vista Dr.	1D 2D 3D Standard: 5 day TAT	CWA SDWA RCRA
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220		
City, State, Zip_Odessa,TX, 79765	Phone: 575-885-7502		
Phone: 832-541-7719	Email: jim.raley@dvn.com		
Email: Devon-team@etechenv.com	WO: 21191055		
	Incident ID: nAPP2322658221, nAPP2317840368		
Collected by: Edyte Konan			

Analysis and Method

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
11:50	11.09.23	S	1	PH13	1	0.5'						X		
12:00	11.09.23	S	1	PH13	2	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		

11/01/2023

Additional Instructions:

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

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/01/2023			11/13/23	9:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

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

Envirotech Analytical Laboratory

Printed: 11/15/2023 11:31:59AM

Sample Receipt Checklist (SRC)

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

Client:	WPX Energy - Carlsbad	Date Received:	11/13/23 09:00	Work Order ID:	E311101
Phone:	(539) 573-4018	Date Logged In:	11/13/23 12:40	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
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	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab 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

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

Date

envirotech Inc.

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

Action 318980

QUESTIONS

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

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

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

QUESTIONS (continued)

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 02/29/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	25200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	25500
GRO+DRO (EPA SW-846 Method 8015M)	18300
BTEX (EPA SW-846 Method 8021B or 8260B)	3.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	07/01/2024
On what date will (or did) the final sampling or liner inspection occur	07/01/2024
On what date will (or was) the remediation complete(d)	07/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	1838
What is the estimated volume (in cubic yards) that will be reclaimed	272
What is the estimated surface area (in square feet) that will be remediated	11214
What is the estimated volume (in cubic yards) that will be remediated	365
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
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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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 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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QUESTIONS (continued)

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	Action Number: 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

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QUESTIONS (continued)

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	Action Number: 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	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 318980

CONDITIONS

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