

NM OIL CONSERVATION
ARTESIA DISTRICT

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

State of New Mexico
 Energy Minerals and Natural Resources

JAN 30 2018

Form C-141
 Revised April 3, 2017

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

Submit Copy to appropriate District Office in
 accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

NAB1803254347

OPERATOR
☒ Initial Report ☐ Final Report

Name of Company: RKI Exploration / WPX Energy <i>246289</i>	Contact: James Raley
Address: 5315 Buena Vista Dr.	Telephone No: 575-689-7597
Facility Name: RDX 9 #004	Facility Type: Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-40180
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	09	26S	30E	990	FSL	2310	FEL	Eddy

32.0526123

Latitude Longitude NAD83 103.8851624

NATURE OF RELEASE


Type of Release: Oil Emulsion	Volume of Release: 25 bbls	Volume Recovered: 20 bbls
Source of Release: Flowline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 1/16/2018 at 5:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Jim Raley	Date and Hour: 1/17/2018 8:48 AM <i>*9:19am email</i>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.* Buried flowline failed running from wellhead to tank battery. Approx. 25 bbls of fluids was released to the pad surface. Vac truck was immediately dispatched to remove standing liquids, approx. 20 bbls were recovered.

Describe Area Affected and Cleanup Action Taken.* Impacts limited to working pad surface. Impacted soils to be removed and disposed at an approved landfill. Soils samples to be collected post-cleanup to ensure no additional remediation necessary. Line to be replaced.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

 Signature: Printed Name: Jim Raley Title: Environmental Specialist E-mail Address: james.ralej@wpxenergy.com Date: 1/30/2018 Phone: 575-689-7597	OIL CONSERVATION DIVISION	
	Approved by Environmental Specialist:	
	Signed By <i>Mike Bratcher</i>	
	Approval Date: 2/1/18	Expiration Date: N/A
	Conditions of Approval: <i>See attached</i>	Attached <input type="checkbox"/> <i>2RP-4597</i>

* Attach Additional Sheets If Necessary

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State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1803254347
District RP	2RP-4597
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: Jim.Raley@dmv.com	Incident # (assigned by OCD): nAB1803254347
Contact mailing address: 5315 Buena Vista Drive, Carlsbad NM	

Location of Release Source

Latitude 32.0529412 Longitude -103.8850618
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX 9 #004	Site Type: Oil Production Facility
Date Release Discovered: 01/16/2018	API# (if applicable): 30-015-40180

Unit Letter	Section	Township	Range	County
O	09	26S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Oil Emulsion	Volume Released (bbls): 25	Volume Recovered (bbls): 20
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Corrosion of a buried flowline caused the release of approximately 25 barrels (bbl) of oil emulsion (an approximate 3:1 mixture of crude oil to produced water) on to the pad surface. A vacuum truck was dispatched to the Site and recovered approximately 20 bbls of fluids.


$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21\ (bbl\ equivalent)} * estimated\ porosity\ (\%) + recovered\ fluids\ (bbl)$$

Incident ID	nAB1803254347
District RP	2RP-4597
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume of 25bbbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was submitted via email on 1/17/2018 to Mike Bratcher.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Jim Raley</u>	Title: <u>Environmental Professional</u>
Signature: <u></u>	Date: <u>8/30/2023</u>
email: <u>Jim.Raley@dvn.com</u>	Telephone: <u>575-689-7597</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAB1803254347
District RP	2RP-4597
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAB1803254347
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Printed Name: Jim Raley Title: Environmental Professional

Signature:  Date: 8/30/2023

email: Jim.Raley@dnv.com Telephone: 575-689-7597

OCD Only

Received by: Shelly Wells Date: 8/30/2023

Incident ID	nAB1803254347
District RP	2RP-4597
Facility ID	
Application ID	


Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities


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

Printed Name: Jim RaleyTitle: Environmental ProfessionalSignature: Date: 8/30/2023email: Jim.Raley@dvn.comTelephone: 575-689-7597

OCD Only

Received by: Shelly WellsDate: 8/30/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date: 09/01/2023Printed Name: Ashley MaxwellTitle: Environmental Specialist



CLOSURE REQUEST REPORT

RDX 9 #004

Eddy County, New Mexico

Incident Number nAB1803254347

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 Closure Request Report (CRR) detailing delineation and excavation activities and subsequent soil sampling events performed for an inadvertent release of oil emulsion at the RDX 9 #004 ((Site) (**Figure 1** in **Appendix A**)). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND RELEASE BACKGROUND

On January 16, 2018, it was discovered that a buried flowline failed and resulted in the release of approximately 25 barrels (bbls) of oil emulsion (an approximate 3:1 mixture of crude oil to produced water) onto the well pad surface. A vacuum truck was dispatched to the Site and recovered approximately 20 bbls of fluids. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on January 30, 2018, and was subsequently assigned Incident Number nAB1803254347. WPX mapped the observed release footprint, hereafter referred to as the Area of Concern (AOC), utilizing a handheld Trimble® Global Positioning System (GPS) unit immediately after discovery and is presented on **Figure 2** in **Appendix A**. Between February 5 and February 8, 2018, WPX excavated observed soil impacts during the repair of the buried flowline and installed an above ground flowline to resume operations. Following flowline replacement operations, the excavation was backfilled and resurfaced to match the original well pad grade.

The production well (API 30-015-40180) for this Site is located in Unit O, Section 09, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0526123°, -103.8851624°) as provided on the initial Form C-141 and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The flowline, where the release occurred, is located north of the production well, along the northern edge of the well pad (32.0529412°, -103.8850618°). The updated coordinates are provided on the Final Form C-141.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Based on the closest well with available depth to groundwater data, depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs). A soil boring permitted under the New Mexico Office of the State Engineer (NMOSE) as C-04655 was drilled by Atkins Engineering

Associates, Inc. approximately 0.33 miles southeast of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted drill rig equipped with a hollow stem auger, the soil boring was advanced to a total depth of 55 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. Referenced well logs are provided in **Appendix B**.

Based on the desktop review, the current BLM Carlsbad Field Office (CFO) karst cave potential map, this Site is located within a medium potential karst area. A significant watercourse, as defined by a dashed blue line on a United States Geological Survey (USGS) 7.5-minute quadrangle map, is within 300 feet north of the Site. 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 1** in **Appendix A**.

Based on the results from the desktop review (specifically, the proximity to a significant watercourse) and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

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

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between June 21, 2023, and August 8, 2023, Etech conducted delineation activities to assess the presence or absence of residual soil impacts and confirm horizontal delineation associated with the AOC. Nine delineation potholes (PH01 through PH09) were advanced via mechanical equipment within and around 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. At minimum, 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 C**. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

Excavation activities were performed concurrently with delineation activities to address residual impacts according to delineation field screening results. Field screening results indicated that elevated chloride concentrations were present up to 1-foot bgs at pothole locations PH03 and PH05. Excavation activities were advanced at PH03 and PH05 locations via mechanical equipment and further directed by field screening for VOCs and chloride, as previously described.

Following the removal of soil, Etech collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavations. Due to the shallow excavation depth, soil from the sidewalls from each excavation were included in each respective composite floor soil sample. The 5-point composite soil

samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then handled and analyzed for COCs as previously described.

On July 24, 2023, additional excavation activities were performed to address residual impacts present at delineation sampling location PH02 according to laboratory analytical results. Excavation activities were advanced via mechanical equipment and directed by field screening for VOCs and chloride, as previously described. Following the removal of soil, a confirmation excavation soil sample was collected, handled, and analyzed for COCs as previously described. Confirmation excavation soil sample locations are shown in **Figure 3** in **Appendix A**.

Impacted soil removed from the Site was transported to a licensed and approved New Mexico landfill under WPX approved manifests. Upon receipt of the final confirmation excavation soil samples results, the excavations were backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of excavation activities is included in **Appendix C**.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for PH02 indicated TPH exceedances and PH03 and PH05 indicated chloride exceedances above the Site Closure Criteria at 0.5-foot bgs. Laboratory analytical results for all other delineation sample collected within the AOC (PH01 and PH04) were below the Site Closure Criteria. Concentrations of COCs for potholes surrounding the AOC (PH06 through PH09) provide horizontal delineation of the AOC.

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

CLOSURE REQUEST

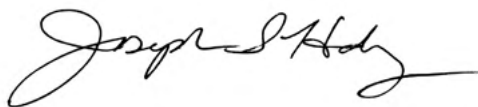
Based on laboratory analytical results for delineation and final confirmation excavation soil samples, WPX believes that residual soil impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site. WPX believes the completed remedial actions have mitigated impacts at the Site and the requirements set forth in NMAC 19.15.29.13 guidelines in order to be protective of human health, the environment and ground water. As such, NFA appears warranted at this time and this CRR associated with Incident Number nAB1803254347 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Gilbert Moreno at (832) 541-7719 or gilbert@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,
Etech Environmental and Safety Solutions, Inc.



Gilbert Moreno
Project Geologist



Joseph S. Hernandez
Senior Managing Geologist

Closure Request Report
Incident Number nAB1803254347
RDX 9 #004

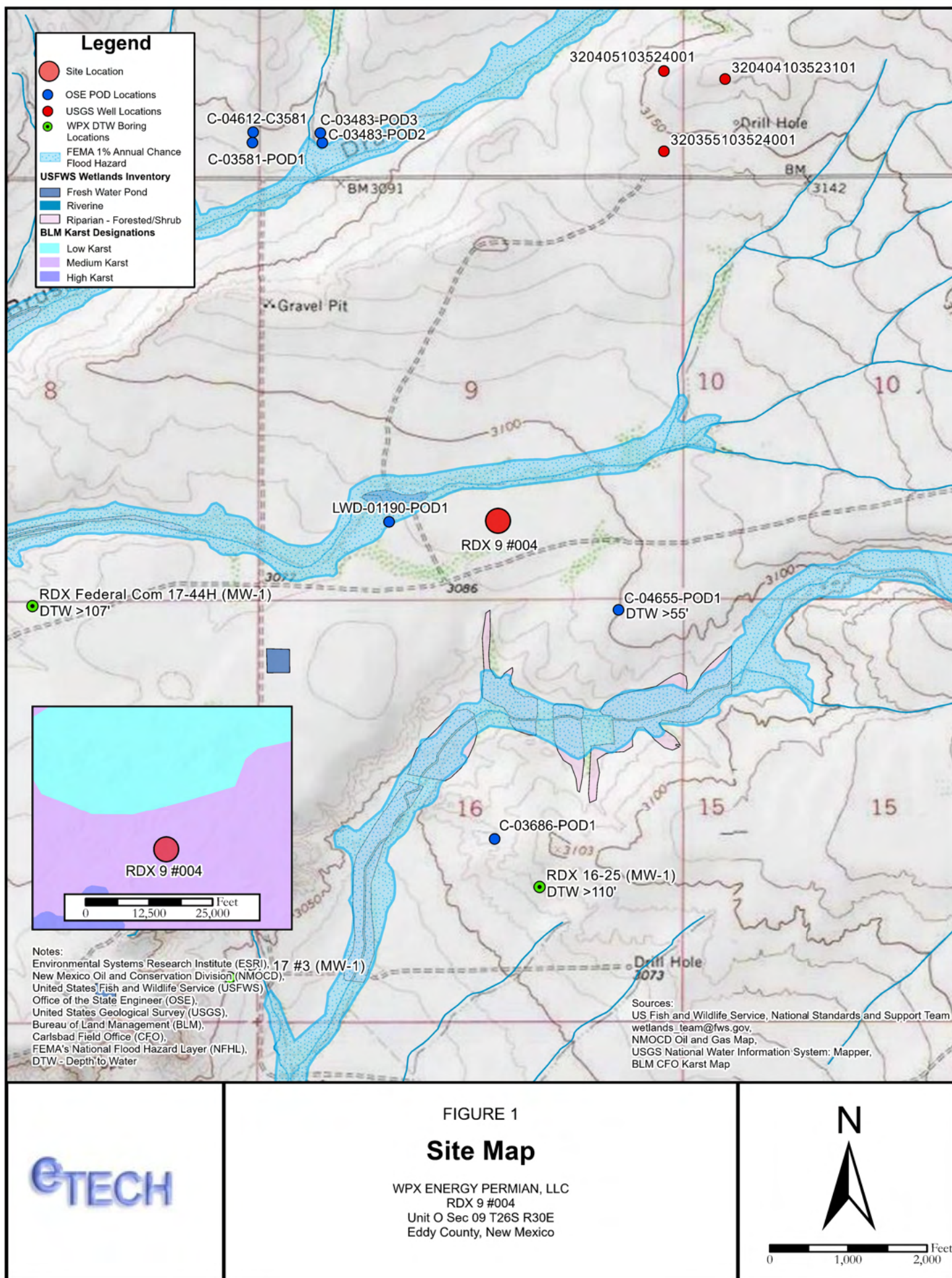
cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

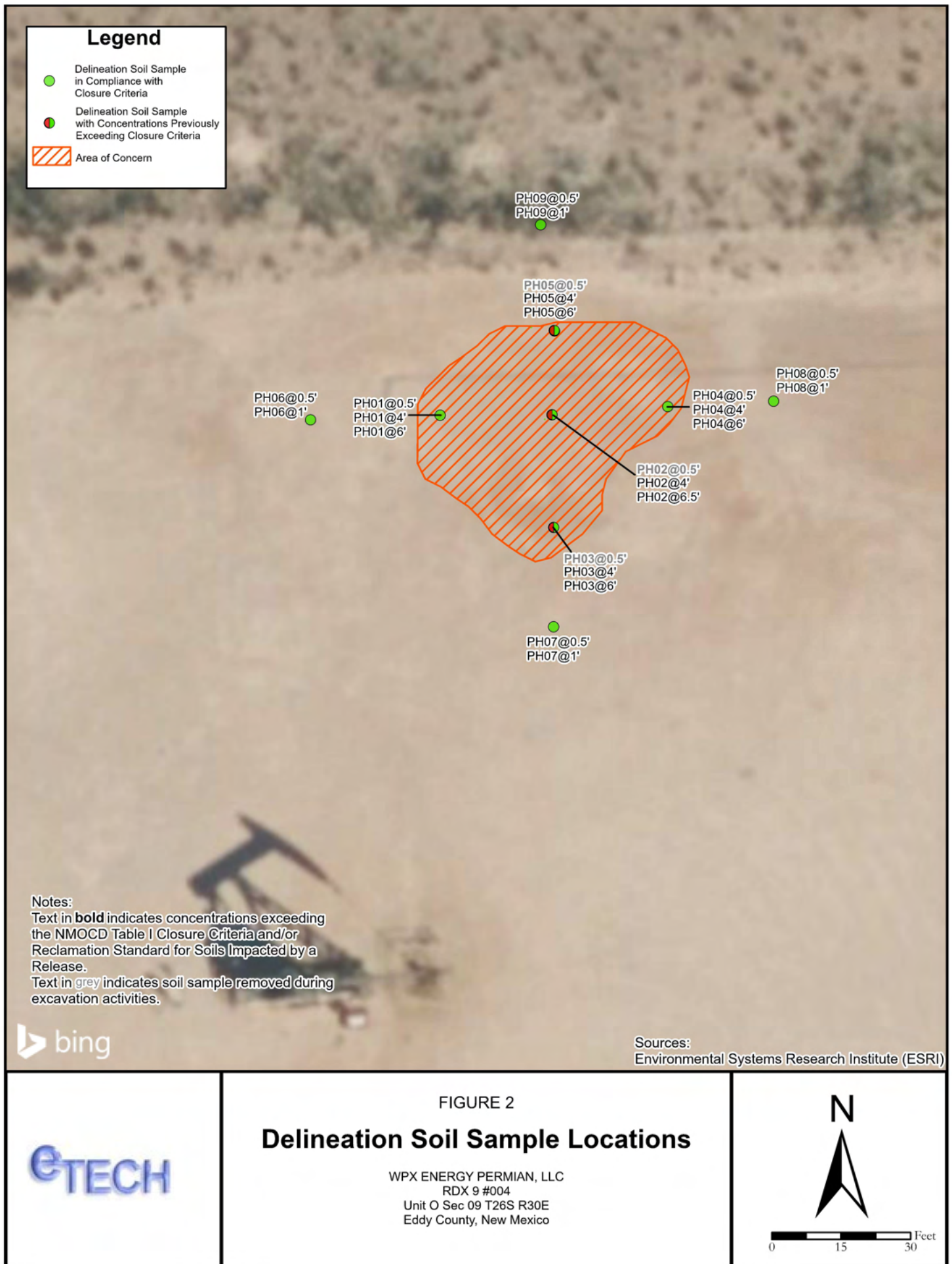
Appendices:

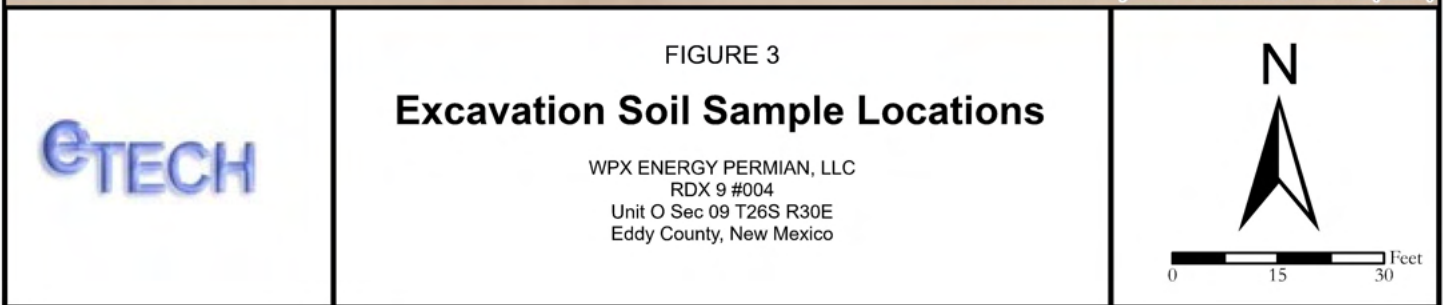
- Appendix A:** Figure 1: Site Map
Figure 2: Delineation Soil Sample Locations
Figure 3: Excavation Soil Sample Locations
- Appendix B:** Referenced Well Records
- Appendix C:** Soil Sampling Logs
- Appendix D:** Photographic Log
- Appendix E:** Tables
- Appendix F:** Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix G:** NMOCD Notifications

APPENDIX A

Figures







APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT AUG 8 2022 PM 10:17

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4655			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 2	SECONDS 58.26 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	52	48.37 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE NE Sec.16 T26S R30E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 7/28/2022		DRILLING ENDED 7/28/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	
	DEPTH WATER FIRST ENCOUNTERED (FT) N/A							
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DATE STATIC MEASURED 7/28/22, 8/2/22							
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	55	±6.5	Boring-HSA	--	--	--	--
	3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

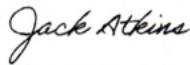
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655	POD NO. 1	TRN NO. 729332
LOCATION 26S-30E-16-1-2-2	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		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)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
	4	48	44	Sand, Fine-grained, poorly graded, with caliche Tan and white	Y ✓ N	
	48	55	7	Sand, Fine-grained, poorly graded, Tan Brown	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	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> 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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. DSE DIT AUG 8 2022 am 10:17	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

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 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME	8/4/2022 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4655

POD NO. 1

TRN NO. 729332

LOCATION 265.30E.16.1.2.2.

WELL TAG ID NO.

PAGE 2 OF 2



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4655 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4655 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above


USE DTI AUG 8 2022 AM 10:17


APPENDIX C


Soil Sampling Logs


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





								Sample Name: PH01		Date: 6/21/23			
								Site Name: RDX 9 #004					
								Incident Number: nAB1803254347					
								Job Number: 18148					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe			
Site Coordinates: 32.0529412, -103.8850618								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					
Dry	<112	0.0	No	PH01	0.5	0	SW	(0-2') SAND, dry, tan to brown, fine to coarse grain, well graded, abundant small caliche gravel, no stain, no odor. @1' trace silt present.					
Dry	<112	0.0	No		1	1							
Dry	<112	0.0	No		2	2	CCHE	(2-6') CALICHE, dry, tan, fine to coarse grain, well graded with silt, abundant small gravel, moderate consolidation, no stain, no odor.					
					3	3							
Dry	<112	0.0	No	PH01	4	4							
					5	5							
Dry	<112	0.0	No	PH01	6	6							
Total Depth: 6 Feet bgs.													


								Sample Name: PH02		Date: 6/21/23			
								Site Name: RDX 9 #004					
								Incident Number: nAB1803254347					
								Job Number: 18148					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe			
Site Coordinates: 32.0529412, -103.8850618								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					
Dry	172	0.0	No	PH02	0.5	0	SW	(0-2') SAND, dry, brown, fine to coarse grain, well graded, abundant small caliche gravel, no stain, no odor. @1' trace silt present.					
Dry	260	0.0	No		1	1							
Dry	124	0.0	No		2	2	CCHE						
					3	3		(2-6.5') CALICHE, dry, tan, fine to coarse grain, well graded with silt, abundant small gravel, moderate consolidation, no stain, no odor.					
					4	4							
					5	5							
					6	6							
Dry	<112	0.0	No	PH02	6.5	6.5							
Total Depth: 6.5 Feet bgs.													


								Sample Name: PH03		Date: 6/21/23			
								Site Name: RDX 9 #004					
								Incident Number: nAB1803254347					
								Job Number: 18148					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe			
Site Coordinates: 32.0529412, -103.8850618								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					
Dry	1,056	0.1	No	PH03	0.5	0	SW-SM	(0-2') SAND, dry, brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor.					
Dry	1,056	0.0	No		1	1							
Dry	552	0.1	No		2	2	CCHE						
					3	3		(2-6') CALICHE, dry, tan, fine to coarse grain, well graded with silt, abundant small gravel, moderate consolidation, no stain, no odor.					
					4	4							
					5	5							
Dry	200	0.1	No	PH03	4	4							
					5	5							
Dry	200	0.0	No	PH03	6	6							
Total Depth: 6 Feet bgs.													


								Sample Name: PH04		Date: 6/21/23			
								Site Name: RDX 9 #004					
								Incident Number: nAB1803254347					
								Job Number: 18148					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe			
Site Coordinates: 32.0529412, -103.8850618								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					
Dry	260	0.1	No	PH04	0.5	0	SW-SM	(0-2') SAND, dry, brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor.					
Dry	172	0.2	No		1	1							
Dry	148	0.0	No		2	2	CCHE	(2-6') CALICHE, dry, tan, fine to coarse grain, well graded with silt, abundant small gravel, moderate consolidation, no stain, no odor.					
					3	3							
Dry	260	0.0	No	PH04	4	4							
					5	5							
Dry	200	0.1	No	PH04	6	6							
Total Depth: 6 Feet bgs.													

								Sample Name: PH05		Date: 6/21/23	
								Site Name: RDX 9 #004			
								Incident Number: nAB1803254347			
								Job Number: 18148			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe	
Site Coordinates: 32.0529412, -103.8850618								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			
Dry	1,056	0.2	No	PH05	0.5	0	SW-SM	(0-2') SAND, dry, brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor. @1' decreased silt content.			
Dry	844	0.0	No		1	1					
Dry	228	0.0	No		2	2					
				3	3						
Dry	<112	0.1	No	PH05	4	4					
					5	5					
Dry	<112	0.0	No	PH05	6	6					
Total Depth: 6 Feet bgs.											

								Sample Name: PH06		Date: 8/8/23	
								Site Name: RDX 9 #004			
								Incident Number: nAB1803254347			
								Job Number: 18148			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe	
Site Coordinates: 32.0529412, -103.8850618								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	<108	0.0	No	PH06	0.5	0	SW-SM	(0-1') SAND, dry, brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor.			
Dry	<108	0.0	No	PH06	1	1					
Total Depth: 1 Foot bgs.											

								Sample Name: PH07		Date: 8/8/23	
								Site Name: RDX 9 #004			
								Incident Number: nAB1803254347			
								Job Number: 18148			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe	
Site Coordinates: 32.0529412, -103.8850618								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	<108	0.0	No	PH07	0.5	0	SW-SM	(0-1') SAND, dry, brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor.			
Dry	<108	0.0	No	PH07	1	1					
Total Depth: 1 Foot bgs.											

								Sample Name: PH08	Date: 8/8/23
								Site Name: RDX 9 #004	
								Incident Number: nAB1803254347	
								Job Number: 18148	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM	Method: Backhoe
Site Coordinates: 32.0529412, -103.8850618								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	<108	0.0	No	PH08	0.5	0	SW-SM	(0-1') SAND, dry, red-brown, fine to coarse grain, well graded with silt, abundant small caliche gravel, no stain, no odor.	
Dry	<108	0.0	No	PH08	1	1			
Total Depth: 1 Foot bgs.									

								Sample Name: PH09		Date: 8/8/23	
								Site Name: RDX 9 #004			
								Incident Number: nAB1803254347			
								Job Number: 18148			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: GM		Method: Backhoe	
Site Coordinates: 32.0529412, -103.8850618								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	<108	0.0	No	PH09	0.5	0	SP	(0-1') SAND, dry, red-brown, very fine to fine grain, poorly graded, some silt and organics.			
Dry	<108	0.0	No	PH09	1	1		no stain, no odor.			
Total Depth: 1 Foot bgs.											

APPENDIX D

Photographic Log

**PHOTOGRAPHIC LOG**

WPX Energy Permian, LLC

RDX 9 #004

Incident Number: nAB1803254347

**Photograph 1****Date: 06/21/2023**

Description: Northeastern view of delineation activities, near PH01.

**Photograph 2****Date: 06/21/2023**

Description: Southeastern view of delineation activities, near PH02.

**PHOTOGRAPHIC LOG**

WPX Energy Permian, LLC

RDX 9 #004

Incident Number: nAB1803254347

Date & Time: Wed, Jun 21, 2023 at 15:40:37 MDT
Position: +032.052812° / -103.885095° (±15.1ft)
Altitude: 3105ft (±11.6ft)
Datum: WGS-84
Azimuth/Bearing: 029° N29E 0516mils True (±15°)
Elevation Angle: -15.8°
Horizon Angle: +02.0°
Zoom: 0.5X
PH03 excavation

**Photograph 3****Date: 06/21/2023**

Description: Northeastern view of excavation extent, near PH03.

**Photograph 4****Date: 07/24/2023**

Description: Southeastern view during excavation activities, near PH02.

**PHOTOGRAPHIC LOG**

WPX Energy Permian, LLC

RDX 9 #004

Incident Number: nAB1803254347

**Photograph 5****Date: 07/24/2023**

Description: Southeastern view of backfill following remediation activities near PH05

**Photograph 6****Date: 07/24/2023**

Description: Northeastern view of backfill following remediation activities near PH03.

APPENDIX E

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
RDX 9 #004
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples Analytical Results - nAB1803254347									
PH01	06/21/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH01	06/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH01	06/21/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH02	06/21/2023	0.5	<0.0250	<0.0500	<20.0	60.6	64.9	125.5	301
PH02	06/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	81.4
PH02	06/21/2023	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	216
PH03	06/21/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,120
PH03	06/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	367
PH03	06/21/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	353
PH04	06/21/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	356
PH04	06/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	420
PH04	06/21/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	317
PH05	06/21/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	1,100
PH05	06/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH05	06/21/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH06	08/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH06	08/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH07	08/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
PH07	08/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
PH08	08/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
PH08	08/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<200
PH09	08/08/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
PH09	08/08/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
Excavation Soil Samples Analytical Results - nAB1803254347									
FS01	06/21/2023	1.5	<0.0250	<0.0500	<20.0	30.0	<50.0	30.0	347
FS02	06/21/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	249
FS03	07/24/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	267

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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

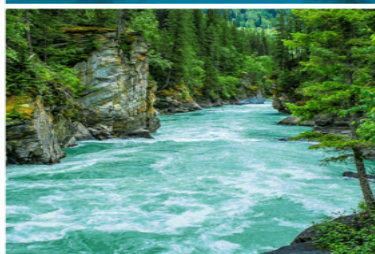
Shaded grey soil sample indicates soil was removed

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E306184

Job Number: 01058-0007

Received: 6/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/29/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: RDX 9 #004
Workorder: E306184
Date Received: 6/23/2023 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2023 7:30:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name:	RDX 9 #004	Reported: 06/29/23 13:31
	Project Number:	01058-0007	
	Project Manager:	Gilbert Moreno	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E306184-01A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH01 4'	E306184-02A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH01 6'	E306184-03A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH02 0.5'	E306184-04A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH02 4'	E306184-05A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH02 6.5'	E306184-06A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH03 0.5'	E306184-07A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH03 4'	E306184-08A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH03 6'	E306184-09A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH04 0.5'	E306184-10A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH04 4'	E306184-11A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH04 6'	E306184-12A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH05 0.5'	E306184-13A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH05 4'	E306184-14A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.
PH05 6'	E306184-15A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH01 0.5'

E306184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
Surrogate: n-Nonane	79.5 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	ND	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH01 4'

E306184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	80.5 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	ND	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH01 6'

E306184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	79.9 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	ND	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH02 0.5'

E306184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	60.6	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	64.9	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	301	100	5	06/23/23	06/28/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH02 4'

E306184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	81.4	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH02 6.5'

E306184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	83.4 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	216	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH03 0.5'

E306184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/23/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/23/23	
Toluene	ND	0.0250	1	06/23/23	06/23/23	
o-Xylene	ND	0.0250	1	06/23/23	06/23/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/23/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/23/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/23/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		06/23/23	06/23/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	82.1 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	1120	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH03 4'

E306184-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	86.0 %	50-200		06/27/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	367	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH03 6'

E306184-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.4 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	80.8 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	353	20.0	1	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH04 0.5'

E306184-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	76.0 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	356	100	5	06/23/23	06/28/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH04 4'

E306184-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	77.3 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	420	100	5	06/23/23	06/28/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH04 6'

E306184-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	317	100	5	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH05 0.5'

E306184-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	82.0 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	1100	100	5	06/23/23	06/27/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH05 4'

E306184-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	79.4 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	ND	20.0	1	06/23/23	06/28/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 1:31:26PM

PH05 6'

E306184-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Benzene	ND	0.0250	1	06/23/23	06/24/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/24/23	
Toluene	ND	0.0250	1	06/23/23	06/24/23	
o-Xylene	ND	0.0250	1	06/23/23	06/24/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/24/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2325080
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		06/23/23	06/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2326020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/27/23	06/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/27/23	06/28/23	
<i>Surrogate: n-Nonane</i>						
	83.7 %	50-200		06/27/23	06/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2325082
Chloride	ND	20.0	1	06/23/23	06/27/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 1:31:26PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325080-BLK1)

Prepared: 06/23/23 Analyzed: 06/23/23

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	7.53		8.00		94.2	70-130			

LCS (2325080-BS1)

Prepared: 06/23/23 Analyzed: 06/26/23

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.2	70-130			

Matrix Spike (2325080-MS1)

Source: E306184-07

Prepared: 06/23/23 Analyzed: 06/23/23

Benzene	4.74	0.0250	5.00	ND	94.8	54-133			
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	61-133			
Toluene	4.70	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.62	0.0250	5.00	ND	92.5	63-131			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike Dup (2325080-MSD1)

Source: E306184-07

Prepared: 06/23/23 Analyzed: 06/23/23

Benzene	4.82	0.0250	5.00	ND	96.4	54-133	1.71	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	61-133	2.14	20	
Toluene	4.79	0.0250	5.00	ND	95.9	61-130	2.05	20	
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131	2.11	20	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131	1.77	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131	1.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 1:31:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325080-BLK1)

Prepared: 06/23/23 Analyzed: 06/23/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

LCS (2325080-BS2)

Prepared: 06/23/23 Analyzed: 06/23/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

Matrix Spike (2325080-MS2)

Source: E306184-07

Prepared: 06/23/23 Analyzed: 06/23/23

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.6	70-130			

Matrix Spike Dup (2325080-MSD2)

Source: E306184-07

Prepared: 06/23/23 Analyzed: 06/23/23

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130	6.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 1:31:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2326020-BLK1)					Prepared: 06/27/23 Analyzed: 06/27/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.0		50.0		90.1	50-200			

LCS (2326020-BS1)					Prepared: 06/27/23 Analyzed: 06/27/23				
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	38.9		50.0		77.8	50-200			

Matrix Spike (2326020-MS1)					Source: E306184-12		Prepared: 06/27/23 Analyzed: 06/27/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	35.4		50.0		70.9	50-200			

Matrix Spike Dup (2326020-MSD1)					Source: E306184-12		Prepared: 06/27/23 Analyzed: 06/27/23		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	4.87	20	
Surrogate: n-Nonane	36.0		50.0		72.0	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 1:31:26PM

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 (2325082-BLK1)					Prepared: 06/23/23 Analyzed: 06/27/23				
Chloride	ND	20.0							
LCS (2325082-BS1)					Prepared: 06/23/23 Analyzed: 06/27/23				
Chloride	244	20.0	250		97.7	90-110			
Matrix Spike (2325082-MS1)					Source: E306184-01		Prepared: 06/23/23 Analyzed: 06/27/23		
Chloride	261	20.0	250	ND	105	80-120			
Matrix Spike Dup (2325082-MSD1)					Source: E306184-01		Prepared: 06/23/23 Analyzed: 06/27/23		
Chloride	261	20.0	250	ND	104	80-120	0.226	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/29/23 13:31

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.					Bill To		Lab Use Only				TAT				EPA Program										
Project: RDX 9 #004					Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA									
Project Manager: Gilbert Moreno					Address: 5315 Buena Vista Dr.		E306/84		01058-0007					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		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC	TX	GDOC								
Phone: 832-541-7719					Email: jim.raley@divn.com													State							
Email: Devon-team@etechenv.com					WBS/WO: 21181921													NM	CO	UT	AZ	TX			
Collected by: Gilbert Moreno					Incident ID: nAB1803254347																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks									
9:00	6.21.23	S	1	PH01	1	0.5'								X											
9:05	6.21.23	S	1	PH01	2	4'								X											
9:10	6.21.23	S	1	PH01	3	6'								X											
9:20	6.21.23	S	1	PH02	4	0.5'								X											
9:25	6.21.23	S	1	PH02	5	4'								X											
9:30	6.21.23	S	1	PH02	6	6.5'								X											
9:40	6.21.23	S	1	PH03	7	0.5'								X											
9:45	6.21.23	S	1	PH03	8	4'								X											
9:50	6.21.23	S	1	PH03	9	6'								X											
10:00	6.21.23	S	1	PH04	10	0.5'								X											

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, 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	Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
<i>Andrew Mayo</i>	6-22-23	1300	<i>Nichelle Cayle</i>	6-22-23	1300	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Nichelle Cayle</i>	6-22-23	1730	<i>Andrew Mayo</i>	6-22-23	1845	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Andrew Mayo</i>	6-23-23	2400	<i>Cathy Man</i>	6/23/23	7:30	

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

Project Information

Chain of Custody

Client: WPX Energy Permian, LLC.		Bill To		Lab Use Only		TAT			EPA Program		
Project: RDX 9 #004		Attention: Jim Raley		Lab WO#		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gilbert Moreno		Address: 5315 Buena Vista Dr.		E306184		Job Number		01058-0007		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									
Email: Devon-team@etechenv.com		WBS/WO: 21181921									
Collected by: Gilbert Moreno		Incident ID: nAB1803254347									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	GDOC TX	Remarks
10:05	6.21.23	S	1	PH04	11	4'								X		
10:10	6.21.23	S	1	PH04	12	6'								X		
10:20	6.21.23	S	1	PH05	13	0.5'								X		
10:25	6.21.23	S	1	PH05	14	4'								X		
10:30	6.21.23	S	1	PH05	15	6'								X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, 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	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>Gilbert Moreno</i>	6.22.23	1300	<i>Micelle Gonzales</i>	6.22.23	1300	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Micelle Gonzales</i>	6.22.23	1730	<i>Monica M550</i>	6.22.23	1845	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Monica M550</i>	6.23.23	2400	<i>Carla Man</i>	6/23/23	7:30	

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: 6/23/2023 10:31:52AM

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:	06/23/23 07:30	Work Order ID:	E306184
Phone:	(539) 573-4018	Date Logged In:	06/23/23 07:58	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/29/23 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

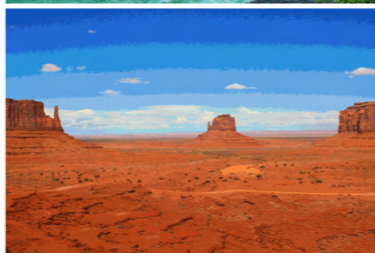
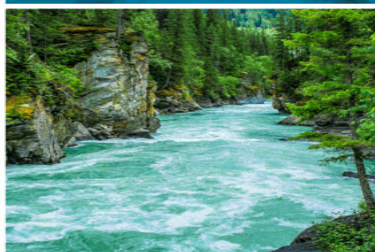
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E306185

Job Number: 01058-0007

Received: 6/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/29/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: RDX 9 #004
Workorder: E306185
Date Received: 6/23/2023 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2023 7:30:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/29/23 11:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02 1.5'	E306185-01A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 11:16:17AM

FS02 1.5'

E306185-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325079	
Benzene	ND	0.0250	1	06/23/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/27/23	
Toluene	ND	0.0250	1	06/23/23	06/27/23	
o-Xylene	ND	0.0250	1	06/23/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		06/23/23	06/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.3 %	70-130		06/23/23	06/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2326015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	93.7 %	50-200		06/26/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2325081	
Chloride	249	20.0	1	06/23/23	06/28/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:16:17AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325079-BLK1)

Prepared: 06/23/23 Analyzed: 06/26/23

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	7.83		8.00		97.8	70-130			

LCS (2325079-BS1)

Prepared: 06/23/23 Analyzed: 06/26/23

Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike (2325079-MS1)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Benzene	5.27	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133			
Toluene	5.27	0.0250	5.00	ND	105	61-130			
o-Xylene	5.23	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.4	70-130			

Matrix Spike Dup (2325079-MSD1)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Benzene	4.87	0.0250	5.00	ND	97.3	54-133	8.01	20	
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133	8.06	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	8.07	20	
o-Xylene	4.81	0.0250	5.00	ND	96.3	63-131	8.29	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	7.97	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	8.08	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:16:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325079-BLK1)

Prepared: 06/23/23 Analyzed: 06/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			

LCS (2325079-BS2)

Prepared: 06/23/23 Analyzed: 06/26/23

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

Matrix Spike (2325079-MS2)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.7	70-130			

Matrix Spike Dup (2325079-MSD2)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130	1.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:16:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2326015-BLK1)					Prepared: 06/26/23 Analyzed: 06/26/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2326015-BS1)					Prepared: 06/26/23 Analyzed: 06/26/23				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			

Matrix Spike (2326015-MS1)					Source: E306172-05		Prepared: 06/26/23 Analyzed: 06/26/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	49.8		50.0		99.7	50-200			

Matrix Spike Dup (2326015-MSD1)					Source: E306172-05		Prepared: 06/26/23 Analyzed: 06/26/23		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	1.20	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:16:17AM

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 (2325081-BLK1)					Prepared: 06/23/23 Analyzed: 06/28/23				
Chloride	ND	20.0							
LCS (2325081-BS1)					Prepared: 06/23/23 Analyzed: 06/28/23				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2325081-MS1)					Source: E306183-01		Prepared: 06/23/23 Analyzed: 06/28/23		
Chloride	540	20.0	250	242	119	80-120			
Matrix Spike Dup (2325081-MSD1)					Source: E306183-01		Prepared: 06/23/23 Analyzed: 06/28/23		
Chloride	548	20.0	250	242	122	80-120	1.48	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/29/23 11:16

- 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

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 9 #004				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.				E 306185		01058-0007					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				Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	GDOC TX	State					
Phone: 832-541-7719				Email: jim.raley@dmv.com														NM	CO	UT	AZ	TX	
Email: Devon-team@etechenv.com				WBS/WO: 21181921														x					
Collected by: Gilbert Moreno				Incident ID: nAB1803254347														Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																		
15:00	6.21.23	S	1	FS02	1	1.5'									X								
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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 5 °C on subsequent days.											
Sampled by: GM																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only															
C. Raley		6.22.23	1300	Michelle Cuyler		6.22.23	1300	Received on ice: (Y) / N															
Michelle Cuyler		6.22.23	1730	M. Moreno		6.22.23	1845	T1 T2 T3															
M. Moreno		6.23.23	2400	C. Raley		6.23.23	7:30	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 Analytical Laboratory

Printed: 6/23/2023 10:33:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	06/23/23 07:30	Work Order ID:	E306185
Phone:	(539) 573-4018	Date Logged In:	06/23/23 08:16	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/29/23 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

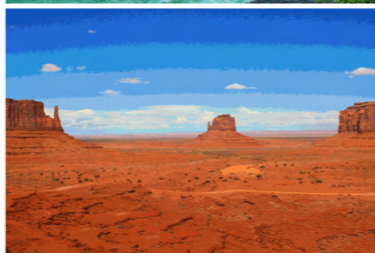
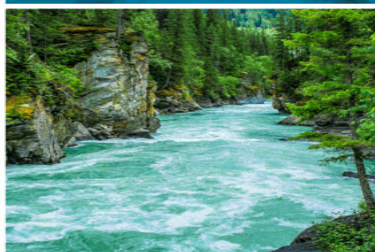
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E306186

Job Number: 01058-0007

Received: 6/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/29/23



Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 9 #004
Workorder: E306186
Date Received: 6/23/2023 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2023 7:30:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/29/23 11:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 1.5'	E306186-01A	Soil	06/21/23	06/23/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
6/29/2023 11:17:39AM

FS01 1.5'

E306186-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325079	
Benzene	ND	0.0250	1	06/23/23	06/27/23	
Ethylbenzene	ND	0.0250	1	06/23/23	06/27/23	
Toluene	ND	0.0250	1	06/23/23	06/27/23	
o-Xylene	ND	0.0250	1	06/23/23	06/27/23	
p,m-Xylene	ND	0.0500	1	06/23/23	06/27/23	
Total Xylenes	ND	0.0250	1	06/23/23	06/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		06/23/23	06/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2325079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/23/23	06/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.3 %	70-130		06/23/23	06/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2326015	
Diesel Range Organics (C10-C28)	30.0	25.0	1	06/26/23	06/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/23	06/27/23	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		06/26/23	06/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2325081	
Chloride	347	20.0	1	06/23/23	06/28/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:17:39AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325079-BLK1)

Prepared: 06/23/23 Analyzed: 06/26/23

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	7.83		8.00		97.8	70-130			

LCS (2325079-BS1)

Prepared: 06/23/23 Analyzed: 06/26/23

Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike (2325079-MS1)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Benzene	5.27	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133			
Toluene	5.27	0.0250	5.00	ND	105	61-130			
o-Xylene	5.23	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.4	70-130			

Matrix Spike Dup (2325079-MSD1)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Benzene	4.87	0.0250	5.00	ND	97.3	54-133	8.01	20	
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133	8.06	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	8.07	20	
o-Xylene	4.81	0.0250	5.00	ND	96.3	63-131	8.29	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	7.97	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	8.08	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:17:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325079-BLK1)

Prepared: 06/23/23 Analyzed: 06/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			

LCS (2325079-BS2)

Prepared: 06/23/23 Analyzed: 06/26/23

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

Matrix Spike (2325079-MS2)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.7	70-130			

Matrix Spike Dup (2325079-MSD2)

Source: E306185-01

Prepared: 06/23/23 Analyzed: 06/27/23

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130	1.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:17:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2326015-BLK1)

Prepared: 06/26/23 Analyzed: 06/26/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2326015-BS1)

Prepared: 06/26/23 Analyzed: 06/26/23

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			

Matrix Spike (2326015-MS1)

Source: E306172-05

Prepared: 06/26/23 Analyzed: 06/26/23

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	49.8		50.0		99.7	50-200			

Matrix Spike Dup (2326015-MSD1)

Source: E306172-05

Prepared: 06/26/23 Analyzed: 06/26/23

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	1.20	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	6/29/2023 11:17:39AM

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 (2325081-BLK1)					Prepared: 06/23/23 Analyzed: 06/28/23				
Chloride	ND	20.0							
LCS (2325081-BS1)					Prepared: 06/23/23 Analyzed: 06/28/23				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2325081-MS1)					Source: E306183-01		Prepared: 06/23/23 Analyzed: 06/28/23		
Chloride	540	20.0	250	242	119	80-120			
Matrix Spike Dup (2325081-MSD1)					Source: E306183-01		Prepared: 06/23/23 Analyzed: 06/28/23		
Chloride	548	20.0	250	242	122	80-120	1.48	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	06/29/23 11:17

- 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

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

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



[illegible]

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) <i>C. G. King</i>	Date 6.22.23	Time 1300	Received by: (Signature) <i>Nichelle Enye</i>	Date 6.22.23	Time 1300	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
Relinquished by: (Signature) <i>Nichelle Enye</i>	Date 6.22.23	Time 1730	Received by: (Signature) <i>Andrew Messo</i>	Date 6.22.23	Time 1845		
Relinquished by: (Signature) <i>Andrew Messo</i>	Date 6.23.23	Time 2400	Received by: (Signature) <i>Cathy Man</i>	Date 6/23/23	Time 7:30	T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	
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 Analytical Laboratory

Printed: 6/23/2023 10:34:52AM

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:	06/23/23 07:30	Work Order ID:	E306186
Phone:	(539) 573-4018	Date Logged In:	06/23/23 08:18	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	06/29/23 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

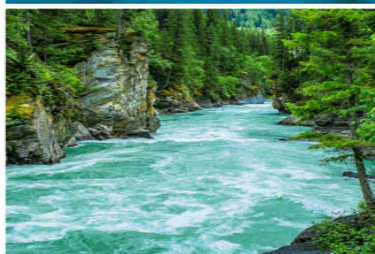
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E307142

Job Number: 01058-0007

Received: 7/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/31/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/31/23



Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 9 #004
Workorder: E307142
Date Received: 7/26/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/26/2023 8:15:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/31/23 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03 1'	E307142-01A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
7/31/2023 2:58:11PM

FS03 1'

E307142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene	102 %	70-130		07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		07/26/23	07/26/23	
Surrogate: Toluene-d8	103 %	70-130		07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene	102 %	70-130		07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		07/26/23	07/26/23	
Surrogate: Toluene-d8	103 %	70-130		07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane	114 %	50-200		07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	267	200	10	07/26/23	07/27/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/31/2023 2:58:11PM

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 (2330057-BLK1)

Prepared: 07/26/23 Analyzed: 07/26/23

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: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2330057-BS1)

Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.41	0.0250	2.50		96.4	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.43	0.0250	2.50		97.1	70-130			
o-Xylene	2.45	0.0250	2.50		98.1	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.34	0.0250	7.50		97.9	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2330057-MS1)

Source: E307143-07

Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.29	0.0250	2.50	ND	91.5	48-131			
Ethylbenzene	2.34	0.0250	2.50	ND	93.5	45-135			
Toluene	2.31	0.0250	2.50	ND	92.4	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.8	43-135			
p,m-Xylene	4.63	0.0500	5.00	ND	92.7	43-135			
Total Xylenes	6.98	0.0250	7.50	ND	93.0	43-135			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2330057-MSD1)

Source: E307143-07

Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.31	0.0250	2.50	ND	92.3	48-131	0.870	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.8	45-135	1.38	27	
Toluene	2.34	0.0250	2.50	ND	93.6	48-130	1.29	24	
o-Xylene	2.38	0.0250	2.50	ND	95.1	43-135	1.38	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.3	43-135	1.78	27	
Total Xylenes	7.09	0.0250	7.50	ND	94.6	43-135	1.64	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/31/2023 2:58:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330057-BLK1)

Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2330057-BS2)

Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike (2330057-MS2)

Source: E307143-07

Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike Dup (2330057-MSD2)

Source: E307143-07

Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	1.90	20	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/31/2023 2:58:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330056-BLK1) Prepared: 07/26/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			

LCS (2330056-BS1) Prepared: 07/26/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

Matrix Spike (2330056-MS1) Source: E307143-04 Prepared: 07/26/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	40.5		50.0		80.9	50-200			

Matrix Spike Dup (2330056-MSD1) Source: E307143-04 Prepared: 07/26/23 Analyzed: 07/27/23

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.912	20	
Surrogate: n-Nonane	37.9		50.0		75.7	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	7/31/2023 2:58:11PM

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 (2330059-BLK1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Chloride	ND	20.0							
LCS (2330059-BS1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2330059-MS1)					Source: E307142-01		Prepared: 07/26/23 Analyzed: 07/27/23		
Chloride	528	200	250	267	104	80-120			
Matrix Spike Dup (2330059-MSD1)					Source: E307142-01		Prepared: 07/26/23 Analyzed: 07/27/23		
Chloride	529	200	250	267	105	80-120	0.0984	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	07/31/23 14:58

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



[illegible]

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.

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) <i>[Signature]</i>	Date 07/24/2023	Time 09:00	Received by: (Signature) <i>[Signature]</i>	Date 7-25-23	Time 0900	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 7-25-23	Time 1700	Received by: (Signature) <i>[Signature]</i>	Date 7-25-23	Time 1700	
Relinquished by: (Signature) <i>[Signature]</i>	Date 7-25-23	Time 2300	Received by: (Signature) <i>[Signature]</i>	Date 7/26/23	Time 8:15	
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 Analytical Laboratory

Printed: 7/26/2023 8:26:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	WPX Energy - Carlsbad	Date Received:	07/26/23 08:15	Work Order ID:	E307142
Phone:	(539) 573-4018	Date Logged In:	07/26/23 08:24	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	07/31/23 17:00 (3 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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

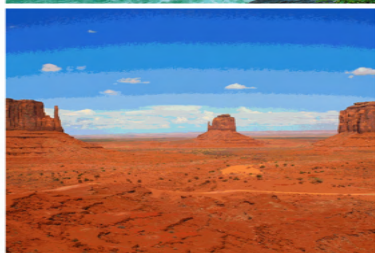
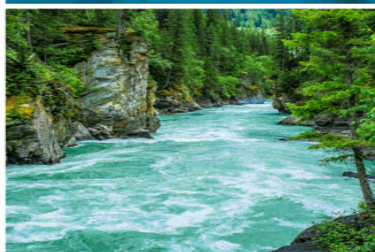
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E308062

Job Number: 01058-0007

Received: 8/10/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/18/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/18/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: RDX 9 #004
Workorder: E308062
Date Received: 8/10/2023 7:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/10/2023 7:00:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported: 08/18/23 13:51
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH09 0.5'	E308062-01A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.
PH09 1'	E308062-02A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/18/2023 1:51:16PM

PH09 0.5'

E308062-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332088
Benzene	ND	0.0250	1	08/10/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/15/23	
Toluene	ND	0.0250	1	08/10/23	08/15/23	
o-Xylene	ND	0.0250	1	08/10/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/15/23	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332088
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.1 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2332062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/10/23	
Surrogate: n-Nonane	95.1 %	50-200		08/09/23	08/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2332082
Chloride	ND	20.0	1	08/10/23	08/12/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/18/2023 1:51:16PM

PH09 1'

E308062-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332088
Benzene	ND	0.0250	1	08/10/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/15/23	
Toluene	ND	0.0250	1	08/10/23	08/15/23	
o-Xylene	ND	0.0250	1	08/10/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332088
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2332062
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/10/23	
<i>Surrogate: n-Nonane</i>						
	90.8 %	50-200		08/09/23	08/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2332082
Chloride	ND	20.0	1	08/10/23	08/12/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/18/2023 1:51:16PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332088-BLK1)

Prepared: 08/10/23 Analyzed: 08/14/23

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	7.62		8.00		95.2	70-130			

LCS (2332088-BS1)

Prepared: 08/10/23 Analyzed: 08/14/23

Benzene	4.96	0.0250	5.00		99.1	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.00	0.0250	5.00		99.9	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

Matrix Spike (2332088-MS1)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/14/23

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	5.06	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2332088-MSD1)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Benzene	5.04	0.0250	5.00	ND	101	54-133	0.275	20	
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133	0.229	20	
Toluene	5.09	0.0250	5.00	ND	102	61-130	0.134	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	0.124	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.00292	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	0.0389	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/18/2023 1:51:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332088-BLK1)

Prepared: 08/10/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

LCS (2332088-BS2)

Prepared: 08/10/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2332088-MS2)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2332088-MSD2)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	6.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/18/2023 1:51:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2332062-BLK1)

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

LCS (2332062-BS1)

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike (2332062-MS1)

Source: E308057-02

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132			
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

Matrix Spike Dup (2332062-MSD1)

Source: E308057-02

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	1.42	20	
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/18/2023 1:51:16PM

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 (2332082-BLK1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	ND	20.0							
LCS (2332082-BS1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2332082-MS1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2332082-MSD1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	260	20.0	250	ND	104	80-120	0.947	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/18/23 13:51

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

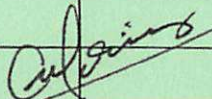
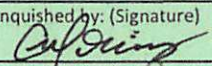

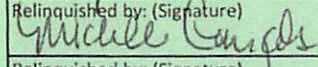
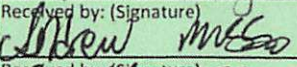
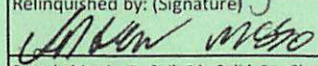
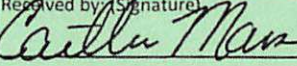


Client: WPX Energy Permian, LLC.				Bill To				Lab Use Only						TAT				EPA Program				
Project: RDX 9 #004				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.				E 308042		01058-0007					5 Day TAT							
Address: 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				Depth (ft.)	TPH GRO/DRO/OHO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	GDOC TX	State				
Phone: 832-541-7719				Email: jim.raley@dvn.com														NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WBS/WO: 21181921														x				
Collected by: Gilbert Moreno				Incident ID: nAB1803254347														Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
9:50	8.8.23	S	1	PH09	1																	
10:00	8.8.23	S	1	PH09	2																	
<div style="text-align: center; font-size: 2em;">Cancelled</div>																						
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																						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Lab Use Only										
Michelle Conzalez				8.9.23	09:30	Michelle Conzalez				8.9.23	0930	Received on ice: Y N										
Michelle Conzalez				8.9.23	1515	Mike Meso				8.9.23	1700	T1 T2 T3										
Mike Meso				8.9.23	2300	Carla Man				8/10/23	7:00	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.																						

Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy Permian, LLC.				Bill To		Lab Use Only		TAT				EPA Program				
Project: RDX 9 #004				Attention: Jim Raley		Lab WO# E 308042		Job Number 01058-0007		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											RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502												
Phone: 832-541-7719				Email: jim.raley@dv.com												
Email: Devon-team@etechnv.com				WBS/WO: 21181921												
Collected by: Gilbert Moreno				Incident ID: nAB1803254347												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	GDGC TX	Remarks
9:50	8.8.23	S	1	PH09 0.5'	1									X		Added depths per Client. 8/10/23 CM
10:00	8.8.23	S	1	PH09 1'	2									X		
																
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, 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	Lab Use Only								
		8.9.23	09:30			8.9.23	0930	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
		8.9.23	1515			8.9.23	1700									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
		8.9.23	2300			8/10/23	7:00	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: 8/10/2023 1:29:39PM

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:	08/10/23 07:00	Work Order ID:	E308062
Phone:	(539) 573-4018	Date Logged In:	08/09/23 15:16	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	08/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sample ID on containers received did not match sample IDs listed on COC. Client asked to add the depths to the COC to match IDs on containers.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

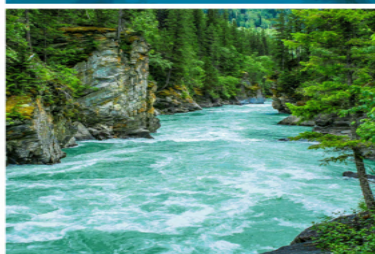
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E308063

Job Number: 01058-0007

Received: 8/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/15/23



Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: RDX 9 #004
Workorder: E308063
Date Received: 8/10/2023 7:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/10/2023 7:00:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported: 08/15/23 14:31
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH08 0.5'	E308063-01A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.
PH08 1'	E308063-02A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 2:31:11PM

PH08 0.5'

E308063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332088	
Benzene	ND	0.0250	1	08/10/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/15/23	
Toluene	ND	0.0250	1	08/10/23	08/15/23	
o-Xylene	ND	0.0250	1	08/10/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2332062	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/10/23	
<i>Surrogate: n-Nonane</i>						
	93.6 %	50-200		08/09/23	08/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2332082	
Chloride	ND	200	10	08/10/23	08/12/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 2:31:11PM

PH08 1'

E308063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332088	
Benzene	ND	0.0250	1	08/10/23	08/15/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/15/23	
Toluene	ND	0.0250	1	08/10/23	08/15/23	
o-Xylene	ND	0.0250	1	08/10/23	08/15/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/15/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		08/10/23	08/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2332062	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/10/23	
<i>Surrogate: n-Nonane</i>						
	90.3 %	50-200		08/09/23	08/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2332082	
Chloride	ND	200	10	08/10/23	08/12/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 2:31:11PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332088-BLK1)

Prepared: 08/10/23 Analyzed: 08/14/23

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	7.62		8.00		95.2	70-130			

LCS (2332088-BS1)

Prepared: 08/10/23 Analyzed: 08/14/23

Benzene	4.96	0.0250	5.00		99.1	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.00	0.0250	5.00		99.9	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

Matrix Spike (2332088-MS1)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/14/23

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	5.06	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2332088-MSD1)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Benzene	5.04	0.0250	5.00	ND	101	54-133	0.275	20	
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133	0.229	20	
Toluene	5.09	0.0250	5.00	ND	102	61-130	0.134	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	0.124	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	0.00292	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	0.0389	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 2:31:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332088-BLK1)

Prepared: 08/10/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

LCS (2332088-BS2)

Prepared: 08/10/23 Analyzed: 08/14/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2332088-MS2)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike Dup (2332088-MSD2)

Source: E308059-02

Prepared: 08/10/23 Analyzed: 08/15/23

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	6.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 2:31:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332062-BLK1)

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

LCS (2332062-BS1)

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike (2332062-MS1)

Source: E308057-02

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132			
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

Matrix Spike Dup (2332062-MSD1)

Source: E308057-02

Prepared: 08/09/23 Analyzed: 08/10/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	1.42	20	
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 2:31:11PM

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 (2332082-BLK1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	ND	20.0							
LCS (2332082-BS1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2332082-MS1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2332082-MSD1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	260	20.0	250	ND	104	80-120	0.947	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/15/23 14:31

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy Permian, LLC.				Bill To		Lab Use Only				TAT				EPA Program											
Project: RDX 9 #004				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA										
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.		E308063		01058-0007					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		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	TX	GDOC									
Phone: 832-541-7719				Email: jim.raley@divn.com													State								
Email: Devon-team@etechnv.com				WBS/WO: 21181921													NM	CO	UT	AZ	TX				
Collected by: Gilbert Moreno				Incident ID: nAB1803254347																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks									
9:30	8.8.23	S	1	PH08	1																				
9:40	8.8.23	S	1	PH08	2																				

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 5 °C on subsequent days.

Relinquished by: (Signature) <i>Calvin</i>	Date 08.9.23	Time 09:30	Received by: (Signature) <i>Michelle Cuyala</i>	Date 08.9.23	Time 0930
Relinquished by: (Signature) <i>Michelle Cuyala</i>	Date 8-9-23	Time 1515	Received by: (Signature) <i>Andrew M...</i>	Date 8-9-23	Time 1700
Relinquished by: (Signature) <i>Andrew M...</i>	Date 8-9-23	Time 2300	Received by: (Signature) <i>Cecilia Man...</i>	Date 8/10/23	Time 7:00

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



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Envirotech Analytical Laboratory

Printed: 8/10/2023 1:30:31PM

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:	08/10/23 07:00	Work Order ID:	E308063
Phone:	(539) 573-4018	Date Logged In:	08/09/23 15:18	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	08/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sample ID on containers received did not match sample IDs listed on COC. Client asked to add the depths to the COC to match IDs on containers.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

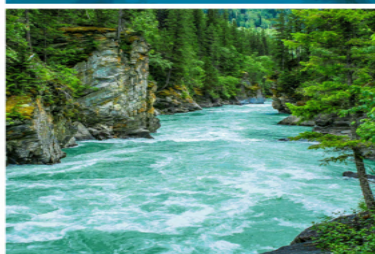
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E308064

Job Number: 01058-0007

Received: 8/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/15/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: RDX 9 #004
Workorder: E308064
Date Received: 8/10/2023 7:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/10/2023 7:00:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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
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Cell: 775-287-1762
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Raina Schwanz
Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported: 08/15/23 11:31
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH07 0.5'	E308064-01A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.
PH07 1'	E308064-02A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 11:31:37AM

PH07 0.5'

E308064-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332090
Benzene	ND	0.0250	1	08/10/23	08/11/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/11/23	
Toluene	ND	0.0250	1	08/10/23	08/11/23	
o-Xylene	ND	0.0250	1	08/10/23	08/11/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/11/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/11/23	
<i>Surrogate: Bromofluorobenzene</i>	98.1 %	70-130		08/10/23	08/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130		08/10/23	08/11/23	
<i>Surrogate: Toluene-d8</i>	94.0 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/11/23	
<i>Surrogate: Bromofluorobenzene</i>	98.1 %	70-130		08/10/23	08/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130		08/10/23	08/11/23	
<i>Surrogate: Toluene-d8</i>	94.0 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2332068
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/12/23	
<i>Surrogate: n-Nonane</i>	90.8 %	50-200		08/09/23	08/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2332082
Chloride	ND	200	10	08/10/23	08/12/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 11:31:37AM

PH07 1'

E308064-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332090	
Benzene	ND	0.0250	1	08/10/23	08/11/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/11/23	
Toluene	ND	0.0250	1	08/10/23	08/11/23	
o-Xylene	ND	0.0250	1	08/10/23	08/11/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/11/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/11/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/10/23	08/11/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	08/10/23	08/11/23	
Surrogate: Toluene-d8		93.9 %	70-130	08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/11/23	
Surrogate: Bromofluorobenzene		101 %	70-130	08/10/23	08/11/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	08/10/23	08/11/23	
Surrogate: Toluene-d8		93.9 %	70-130	08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2332068	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/12/23	
Surrogate: n-Nonane		95.7 %	50-200	08/09/23	08/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2332082	
Chloride	ND	200	10	08/10/23	08/12/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:31:37AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2332090-BLK1)

Prepared: 08/10/23 Analyzed: 08/11/23

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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

LCS (2332090-BS1)

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.42	0.0250	2.50		96.8	70-130			
Ethylbenzene	1.98	0.0250	2.50		79.1	70-130			
Toluene	1.95	0.0250	2.50		77.8	70-130			
o-Xylene	1.91	0.0250	2.50		76.4	70-130			
p,m-Xylene	3.74	0.0500	5.00		74.8	70-130			
Total Xylenes	5.65	0.0250	7.50		75.3	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.465		0.500		92.9	70-130			

Matrix Spike (2332090-MS1)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.75	0.0250	2.50	ND	110	48-131			
Ethylbenzene	2.26	0.0250	2.50	ND	90.5	45-135			
Toluene	2.23	0.0250	2.50	ND	89.3	48-130			
o-Xylene	2.17	0.0250	2.50	ND	86.7	43-135			
p,m-Xylene	4.23	0.0500	5.00	ND	84.5	43-135			
Total Xylenes	6.39	0.0250	7.50	ND	85.3	43-135			
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.465		0.500		92.9	70-130			

Matrix Spike Dup (2332090-MSD1)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.74	0.0250	2.50	ND	110	48-131	0.310	23	
Ethylbenzene	2.29	0.0250	2.50	ND	91.6	45-135	1.21	27	
Toluene	2.27	0.0250	2.50	ND	90.9	48-130	1.82	24	
o-Xylene	2.21	0.0250	2.50	ND	88.2	43-135	1.76	27	
p,m-Xylene	4.30	0.0500	5.00	ND	86.0	43-135	1.69	27	
Total Xylenes	6.50	0.0250	7.50	ND	86.7	43-135	1.71	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:31:37AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332090-BLK1)

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

LCS (2332090-BS2)

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			

Matrix Spike (2332090-MS2)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.467		0.500		93.4	70-130			

Matrix Spike Dup (2332090-MSD2)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	0.298	20	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.467		0.500		93.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:31:37AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332068-BLK1)					Prepared: 08/09/23 Analyzed: 08/11/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2332068-BS1)					Prepared: 08/09/23 Analyzed: 08/11/23				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike (2332068-MS1)					Source: E308059-05		Prepared: 08/09/23 Analyzed: 08/11/23		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	39.3		50.0		78.5	50-200			

Matrix Spike Dup (2332068-MSD1)					Source: E308059-05		Prepared: 08/09/23 Analyzed: 08/12/23		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	3.24	20	
Surrogate: n-Nonane	42.9		50.0		85.8	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:31:37AM

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 (2332082-BLK1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	ND	20.0							
LCS (2332082-BS1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2332082-MS1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2332082-MSD1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	260	20.0	250	ND	104	80-120	0.947	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/15/23 11:31

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



On going

Page 12 of 14

Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy Permian, LLC.				Bill To		Lab Use Only		TAT			EPA Program																					
Project: RDX 9 #004				Attention: Jim Raley		Lab WO# E3080604		Job Number D1058-0007		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											RCRA																	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502									State																			
Phone: 832-541-7719				Email: jim.raley@dv.com									NM	CO	UT	AZ	TX															
Email: Devon-team@etechnv.com				WBS/WO: 21181921									x																			
Collected by: Gilbert Moreno				Incident ID: nAB1803254347									Remarks																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS	Cation/Anion	BGDOC NM	TX																	
9:10	8.8.23	S	1	PH07 0.5'	1									X																		
9:20	8.8.23	S	1	PH07 1'	2									X																		
<p><i>Added depths per Client 8/10/23 CM</i></p> <p><i>Carlsbad</i></p>																																
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	Lab Use Only																								
<i>Carlsbad</i>		8.9.23	09:30	<i>Michelle Cuyals</i>		8.9.23	09:30	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3																								
<i>Michelle Cuyals</i>		8.9.23	1515	<i>Carlsbad</i>		8.9.23	1700																									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C																								
<i>Carlsbad</i>		8.9.23	2300	<i>Carlsbad</i>		8/10/23	7:00	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: 8/10/2023 1:31:13PM

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:	08/10/23 07:00	Work Order ID:	E308064
Phone:	(539) 573-4018	Date Logged In:	08/09/23 15:19	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	08/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sample ID on containers received did not match sample IDs listed on COC. Client asked to add the depths to the COC to match IDs on containers.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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

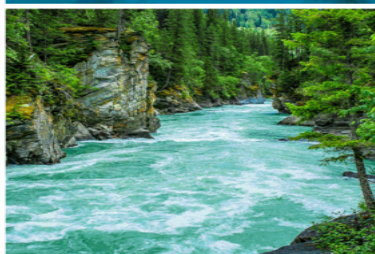
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: RDX 9 #004

Work Order: E308065

Job Number: 01058-0007

Received: 8/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/15/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: RDX 9 #004
Workorder: E308065
Date Received: 8/10/2023 7:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/10/2023 7:00:00AM, under the Project Name: RDX 9 #004.

The analytical test results summarized in this report with the Project Name: RDX 9 #004 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 regarding 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
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Cell: 775-287-1762
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Sample Summary

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported: 08/15/23 11:35
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH06 0.5'	E308065-01A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.
PH06 1'	E308065-02A	Soil	08/08/23	08/10/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 11:35:29AM

PH06 0.5'

E308065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332090
Benzene	ND	0.0250	1	08/10/23	08/11/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/11/23	
Toluene	ND	0.0250	1	08/10/23	08/11/23	
o-Xylene	ND	0.0250	1	08/10/23	08/11/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/11/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/11/23	
<i>Surrogate: Bromofluorobenzene</i>	99.1 %	70-130		08/10/23	08/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		08/10/23	08/11/23	
<i>Surrogate: Toluene-d8</i>	94.3 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2332090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/11/23	
<i>Surrogate: Bromofluorobenzene</i>	99.1 %	70-130		08/10/23	08/11/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		08/10/23	08/11/23	
<i>Surrogate: Toluene-d8</i>	94.3 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2332068
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/12/23	
<i>Surrogate: n-Nonane</i>	98.0 %	50-200		08/09/23	08/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2332082
Chloride	ND	20.0	1	08/10/23	08/12/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: RDX 9 #004
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
8/15/2023 11:35:29AM

PH06 1'

E308065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332090	
Benzene	ND	0.0250	1	08/10/23	08/11/23	
Ethylbenzene	ND	0.0250	1	08/10/23	08/11/23	
Toluene	ND	0.0250	1	08/10/23	08/11/23	
o-Xylene	ND	0.0250	1	08/10/23	08/11/23	
p,m-Xylene	ND	0.0500	1	08/10/23	08/11/23	
Total Xylenes	ND	0.0250	1	08/10/23	08/11/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/10/23	08/11/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/10/23	08/11/23	
Surrogate: Toluene-d8	93.2 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2332090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/10/23	08/11/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/10/23	08/11/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/10/23	08/11/23	
Surrogate: Toluene-d8	93.2 %	70-130		08/10/23	08/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2332068	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/09/23	08/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/09/23	08/12/23	
Surrogate: n-Nonane	91.3 %	50-200		08/09/23	08/12/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2332082	
Chloride	ND	20.0	1	08/10/23	08/12/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:35:29AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2332090-BLK1)

Prepared: 08/10/23 Analyzed: 08/11/23

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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

LCS (2332090-BS1)

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.42	0.0250	2.50		96.8	70-130			
Ethylbenzene	1.98	0.0250	2.50		79.1	70-130			
Toluene	1.95	0.0250	2.50		77.8	70-130			
o-Xylene	1.91	0.0250	2.50		76.4	70-130			
p,m-Xylene	3.74	0.0500	5.00		74.8	70-130			
Total Xylenes	5.65	0.0250	7.50		75.3	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.465		0.500		92.9	70-130			

Matrix Spike (2332090-MS1)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.75	0.0250	2.50	ND	110	48-131			
Ethylbenzene	2.26	0.0250	2.50	ND	90.5	45-135			
Toluene	2.23	0.0250	2.50	ND	89.3	48-130			
o-Xylene	2.17	0.0250	2.50	ND	86.7	43-135			
p,m-Xylene	4.23	0.0500	5.00	ND	84.5	43-135			
Total Xylenes	6.39	0.0250	7.50	ND	85.3	43-135			
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.465		0.500		92.9	70-130			

Matrix Spike Dup (2332090-MSD1)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Benzene	2.74	0.0250	2.50	ND	110	48-131	0.310	23	
Ethylbenzene	2.29	0.0250	2.50	ND	91.6	45-135	1.21	27	
Toluene	2.27	0.0250	2.50	ND	90.9	48-130	1.82	24	
o-Xylene	2.21	0.0250	2.50	ND	88.2	43-135	1.76	27	
p,m-Xylene	4.30	0.0500	5.00	ND	86.0	43-135	1.69	27	
Total Xylenes	6.50	0.0250	7.50	ND	86.7	43-135	1.71	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:35:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332090-BLK1)

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

LCS (2332090-BS2)

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			

Matrix Spike (2332090-MS2)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.467		0.500		93.4	70-130			

Matrix Spike Dup (2332090-MSD2)

Source: E308064-01

Prepared: 08/10/23 Analyzed: 08/11/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	0.298	20	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.467		0.500		93.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:35:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2332068-BLK1)

Prepared: 08/09/23 Analyzed: 08/11/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2332068-BS1)

Prepared: 08/09/23 Analyzed: 08/11/23

Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike (2332068-MS1)

Source: E308059-05

Prepared: 08/09/23 Analyzed: 08/11/23

Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	39.3		50.0		78.5	50-200			

Matrix Spike Dup (2332068-MSD1)

Source: E308059-05

Prepared: 08/09/23 Analyzed: 08/12/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	3.24	20	
Surrogate: n-Nonane	42.9		50.0		85.8	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	RDX 9 #004	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	8/15/2023 11:35:29AM

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 (2332082-BLK1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	ND	20.0							
LCS (2332082-BS1)					Prepared: 08/10/23 Analyzed: 08/12/23				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2332082-MS1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2332082-MSD1)					Source: E308061-01		Prepared: 08/10/23 Analyzed: 08/12/23		
Chloride	260	20.0	250	ND	104	80-120	0.947	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 9 #004	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	08/15/23 11:35

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



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Envirotech Analytical Laboratory

Printed: 8/10/2023 1:32:01PM

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:	08/10/23 07:00	Work Order ID:	E308065
Phone:	(539) 573-4018	Date Logged In:	08/09/23 15:20	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	08/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sample ID on containers received did not match sample IDs listed on COC. Client asked to add the depths to the COC to match IDs on containers.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? 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 filtration 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.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, June 16, 2023 3:37 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

Erick,

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

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Erick Herrera <erick@etechenv.com>
Sent: Thursday, June 15, 2023 3:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.rale@dmn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (6/20 - 6/23)

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

WPX anticipates conducting confirmation soil sampling activities at the following sites between June 20 – June 23, 2023:

Site Name: North Brushy PW Line
Incident Numbers: nAPP2231126594 & nAPP2312845934

Site Name: RDX 9#004
Incident Number: nAB1803254347
API: 30-015-40180

Site Name: RDX Federal COM 28 #009H
Incident Number: nAB1632648516
API: 30-015-43294

Site Name: Holly A Federal #006

Incident Number: nAPP2116548791

API: 30-015-25331

Site Name: Ross Draw #012

Incident Numbers: nHMP1407235518 and nAPP2315142829

API: 30-015-24793

Thank you,

Erick Herrera

Staff Geologist



Work: (432) 305-6416

Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, July 19, 2023 4:55 PM
To: Erick Herrera
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Updates (7/24-7/28)

Good afternoon 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
Administrative Permitting Program
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, July 19, 2023 3:36 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.ralej@dmn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Updates (7/24-7/28)

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

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following sites between July 24 through July 28, 2023:

Proposed Date: July 24, 2023, July 25, 2023, July 26, 2023, July 27, 2023, July 28, 2023,
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX 9-4
Incident Number: nAB1803254347
API: 30-015-40180

Proposed Dates: July 24, 2023, July 25, 2023, July 26, 2023, July 27, 2023, July 28, 2023,
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: North Brushy PW Line
Incident Numbers: nAPP2231126594 & nAPP2312845934

Thank you,

Erick Herrera
Staff Geologist



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

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

CONDITIONS

Action 259420

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 259420
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	9/1/2023