

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

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

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

Incident ID	NRM2006956859
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Lynda Laumbach	Contact Telephone: (575) 725-1647
Contact email: Lynda.Laumbach@wpxenergy.com	Incident # (assigned by OCD)
Contact mailing address: 5315 Buena Vista Drive, Carlsbad, NM 88220	

### Location of Release Source

Latitude 32.0926458 Longitude -103.9492524  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: North Brushy Draw Federal 35 #002H	Site Type: Production Facility
Date Release Discovered: 02/28/2020	API# (if applicable): 30-015-40006

Unit Letter	Section	Township	Range	County
A	35	25S	29E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 13	Volume Recovered (bbls): 0
	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:

An illegal dump location was found on February 28, 2020. Based on field screens, saturation depth was approximately 3 inches. A third-party contractor has been obtained to complete remediation activities.


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

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### 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 type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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: Illegal dump	
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>Lynda Laumbach</u>	Title: <u>Environmental Specialist</u>
Signature: <u></u>	Date: <u>03/09/2020</u>
email: <u>Lynda.Laumbach@wpenergy.com</u>	Telephone: <u>(575)725-1647</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>3/9/2020</u>

Incident ID	NRM2006956859
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Facility ID	
Application ID	

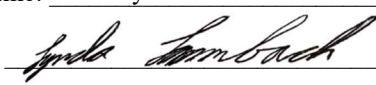
## Closure

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: Lynda Laumbach Title: Environmental Professional  
Signature:  Date: 07/29/2021  
email: Lynda.Laumbach@dvn.com Telephone: (575)725-1647

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



July 29, 2021  
Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210

Re: North Brushy Draw Federal 35 #002H Illegal Dump (NRM2006956859)

Mr. Bratcher,

On November 12, 2020 WPX submitted a remediation plan for the release NRM2006956859. The plan was approved on April 7, 2021 to complete remediation activities and advance the excavation until all samples were below 600 mg/kg chlorides and all sidewall sample results were below TPH levels of 100 mg/kg.

*Well Location:* North Brushy Federal 35 #002H

*API #:* 30-015-40006

*NMOCD Reference #:* NRM2006956859

*Site Location Description:* Unit Letter A, Section 35, Township 25S, Range 29E

*Release Latitude/Longitude:* N32.09632, W103.949269

*Land Jurisdiction:* Federal

*Estimated Depth to Groundwater:* >100 feet, Attachment 01 Water Wells

*NMOCD Site Characterization Standards:* 20,000 milligrams per kilogram (mg/kg) Chloride, 50 mg/kg Benzene, Toluene, Ethylbenzene, and xylenes (BTEX), 10 mg/kg Benzene, 2,500 mg/kg Total Petroleum Hydrocarbons (TPH), 1,000 mg/kg diesel range organics (DRO) & gasoline range organics (GRO)

\*Characterization in C-141 at the beginning of this report

### **Field Activities**

On May 10, 2021 the excavation was advanced to a depth of four feet below ground surface (bgs). Floor samples FS01-FS06 and sidewalls SW01-SW04 were taken across the excavation area. On June 21, 2021 FS07-FS11 were taken to address contamination at previous samples J2-J5. FS07 through FS09 and FS11 were taken at an excavated depth of 0.5' for the day, this was in addition to the one foot that was previously excavated and documented in the remediation plan. All sample locations are depicted in Figure 02. Sample FS10 was omitted due to a broken sample jar and was resampled on July 12, 2021.

Pictures of the excavation activities are provided in Attachment 02. A project total of 240 cubic yards was excavated and hauled to disposal. All waste was hauled to R360 Hobbs Transportation Facility, 4507 W Carlsbad Hwy in Lea County, New Mexico.

### **Sampling Activities and Laboratory Analytical Results**

Floor and sidewall samples were collected via 5-point composite sampling over areas no greater than 200 square feet across the excavation area. The laboratory analytical results for the excavation of impacted soils confirmed that all floor, sidewall, and discrete samples were compliant with the closure criteria for this Site. All samples were below the allowable standards



for Chloride, BTEX, and TPH. All sample results are summarized in Table 01 and complete lab results are provided in Attachment 03.

- Chloride samples ranged from 18 mg/kg to 443 mg/kg
- BTEX analysis ranged from below the Laboratory detectable limit to 0.0239 mg/kg
- Benzene analysis ranged from below the Laboratory detectable limit to 0.0239 mg/kg
- TPH ranged from below the Laboratory detectable limit to 473 mg/kg

### Conclusions

The laboratory analytical results to address the impacted soils from NRM2006956859 demonstrates compliance with the Table 1 Closure Criteria set forth by the NMOCD. Actions to mitigate initial impacts of this site have proven a successful remediation. WPX requests no further action for this incident. The updated C-141 is included at the front of this report. If any questions or further information is warranted, please do not hesitate to contact me by cell phone at (575) 725-1647 or by email at [Lynda.Laumbach@dvn.com](mailto:Lynda.Laumbach@dvn.com).

Best regards,



Lynda Laumbach  
Environmental Professional

CC: Robert Hamlet, NMOCD  
Victoria Venegas, NMOCD  
Chad Hensley, NMOCD

### Attachments:

Figure 01 Site Map  
Figure 02 Excavation Activities  
Table 01 Sample Results  
Attachment 01 RDX/RDU Depth to Water Report  
Attachment 02 Photograph Log  
Attachment 03 Laboratory Analytical Results

# Table(s)

**TABLE 01**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**North Brushy Draw Federal 35 #002H**  
**NMOCD REFERENCE NUMBER: NRM2006956859**

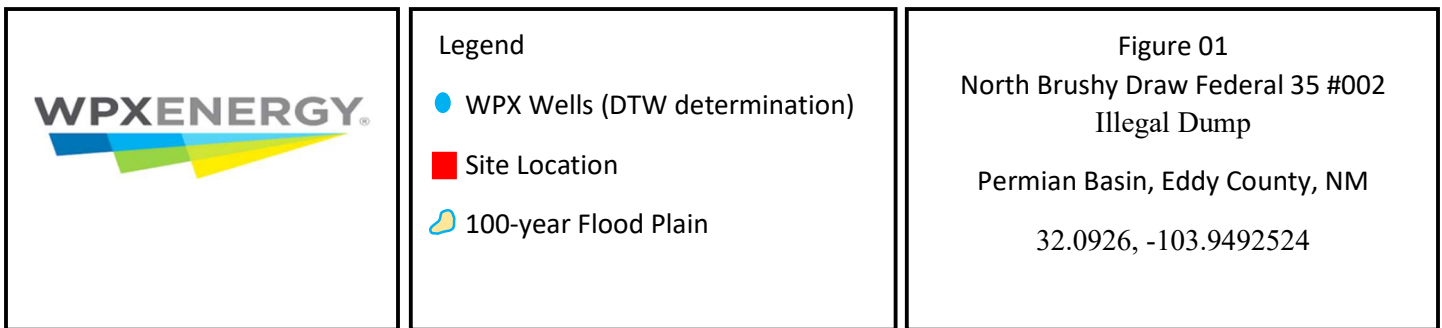
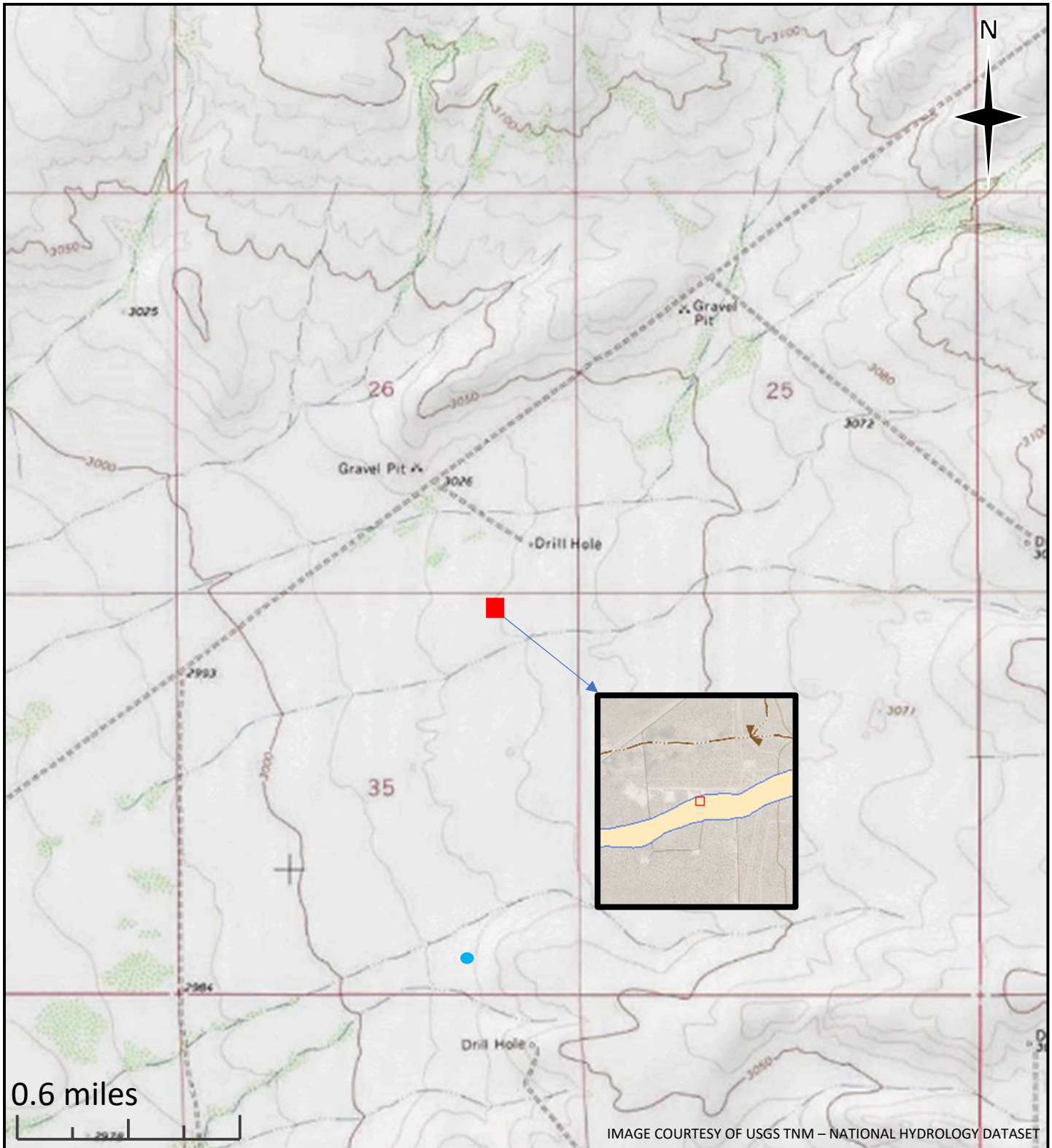


Sample Name	Depth (ft bgs)	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO + DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
FS01	4	5/10/2021	<0.00202	-	<49.9	<49.9	<49.9	-	-	114
FS02	4	5/10/2021	<0.00202	-	<49.8	<49.8	<49.8	-	-	272
FS03	4	5/10/2021	<0.00200	-	<49.8	<49.8	<49.8	-	-	65
FS04	4	5/10/2021	<0.00200	-	<50.0	68	<50.0	68	68	73
FS05	4	5/10/2021	0.00293	0.00293	<49.9	<49.9	<49.9	-	-	443
FS06	4	5/10/2021	<0.00200	-	473	<49.9	<49.9	473.0	473.0	83
SW01	2	5/10/2021	<0.00200	-	<50.0	<50.0	<50.0	-	-	277
SW02	2	5/10/2021	<0.00199	-	<49.8	<49.8	<49.8	-	-	70
SW03	2	5/10/2021	<0.00199	-	<49.9	<49.9	<49.9	-	-	283
SW04	2	5/10/2021	<0.00201	-	<50.0	<50.0	<50.0	-	-	134
FS07	0.5	6/21/2021	<0.00199	-	<49.8	<49.8	<49.8	-	-	53
FS08	0.5	6/21/2021	<0.00198	-	<49.8	<49.8	<49.8	-	-	36
FS09	0.5	6/21/2021	<0.00202	-	<50.0	<50.0	<50.0	-	-	63
FS10	0.5	7/12/2021	<0.00200	-	<50.0	<50.0	<50.0	-	-	<4.95
FS11	0.5	6/21/2021	<0.00202	-	<49.8	<49.8	<49.8	-	-	18
<b>NMOCD Table 1 Closure Criteria</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>

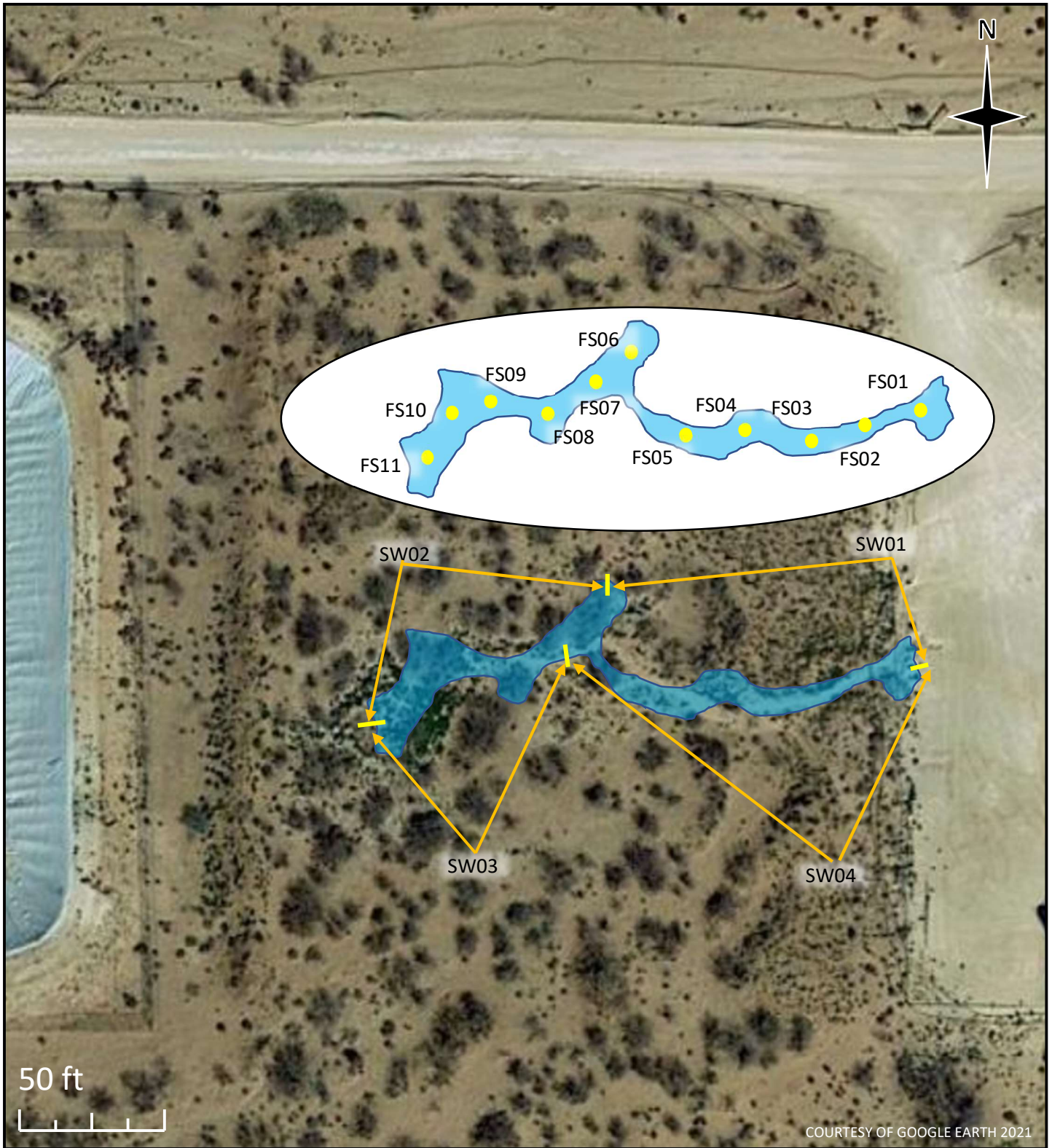
Reference:	BTEX: benzene, toluene, ethylbenzene, and total xylenes	mg/kg: milligrams per kilogram
	GRO: gasoline range organics	NMOCD: New Mexico Oil Conservation Division
	DRO: diesel range organics	TPH: total petroleum hydrocarbons
	ft bgs: feet below ground surface	
	NMOCD Table 1 Closure Criteria: NMAC 19.15.29 August 2018 criteria for soils impacted based on characterization	

All samples were taken with decontaminated equipment, jarred in precleaned glass soil jars, with appropriate identification, and immediately placed on ice to lower sample temperatures below 4° Celsius, adhering to strict chain of custody of Xenco laboratories. Analysis was completed at Xenco Laboratories in Carlsbad, NM. All samples were analyzed for Chlorides via Method EPA 300.0, TPH via Method 8015M, and BTEX via Method 8021B.

# Figures







Legend


 Excavation Extent

Figure 02  
North Brushy Draw Federal 35 #002  
Illegal Dump  
Permian Basin, Eddy County, NM  
32.0926, -103.9492524

# Attachment 01:

## RDX/ RDU Depth to Water Report





### Site Investigation Report

Date of report: 1/5/2021  
Site Names: RDX 16-25 Ross Draw Unit #38  
RDX 17 #3 Ross Draw Unit #55  
RDX Fed Com 17-44H Ross Draw Unit #57  
RDX Fed Com 21-43 N Brushy Fed 35 #010H  
County: Eddy County, New Mexico  
Project No: 0397

### Site Activities

Earth Systems Response and Restoration (ESRR) field activities were conducted December 8<sup>th</sup> through the 10<sup>th</sup> in Eddy county, New Mexico. ESRR oversaw the advancement of one soil boring at the eight above-mentioned locations to an approximate depth of 105 feet (ft.) below grade surface utilizing an air-rotary drilling rig operated by a State of New Mexico licensed driller. Additionally, HRL Compliance Solutions (HRL) conducted on-site soil logging activities during the advancement of the soil borings. Please see the detailed lithologic descriptions attached.

Upon completion of the soil borings, a PVC casing fitted with 5 ft. of machine-slotted well screen at the bottom was inserted into each soil boring. The PVC casing was left in place for a minimum of 72 hours prior to being gauged by HRL Consulting on December 12<sup>th</sup> with a water level meter to determine the presence or absence of groundwater. Subsequent to gauging activities, each soil boring had the PVC casing removed and was then backfilled with its associated native soil cuttings to grade surface.


### Conclusions


Groundwater was not detected in any of the eight soil borings as determined by utilizing a water level meter after 72 hours of development. It can be reasonably determined groundwater is deeper than 105 ft. bgs in the vicinity of the advanced soil borings.


Respectfully,


Kris Williams, CHMM, REM  
Operations Manager


Attached: Drilling Locations Maps  
Soil Boring Logs


 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: RDX 16-25			
							Date: 12/10/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 sand			Gravel Pack Depth Interval: 3 bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.0399004		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-105 feet bgs			Boring Total Depth (ft. BGS): 110			Longitude: -103.8833368			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 105-110 ft		Well Total Depth (ft. BGS): 110			Depth to Water (ft. BTOC): > 110		
											DTW Date: 12/16/2020		
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SW	NS	Pale orange to pink tan well graded sand with silt				
5													
10													
15													
20													
25	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand				
30													
35													
40	NM	L	D	N	N	NM	SW	NS	Orange to pale red well graded sand with gravel				
45													
50	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand				
55													
60	NM	L	D	N	N	NM	SP	NS	Pale pinky orange poorly graded fine sand with minor medium and coarse sand - TD: 110' bgs				
65													
70													
75													
80													
85													
90													
95													
100													
105													
110													

 <b>HRL COMPLIANCE SOLUTIONS</b>							<b>BORING LOG/MONITORING WELL COMPLETION DIAGRAM</b>						
							Boring/Well Number: MW-1			Location: RDX 17 #3			
							Date: 12/8/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.036765		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-102 feet bgs			Boring Total Depth (ft. BGS): 107			Longitude: -103.895993			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 102-107 ft		Well Total Depth (ft. BGS): 107			Depth to Water (ft. BTOC): > 107		
DTW Date: 12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SP	NS	Pale orange poorly graded fine sand				
5													
10													
15													
20													
25	NM	L	D	N	N	NM	SP	NS	Same as above with slight increase in coarse sand and gravel				
30													
35													
40													
45													
45	NM	L	D	N	N	NM	SP	NS	Pale orange poorly graded fine sand with very slight silt				
50													
55													
60													
65													
65	NM	M	SL M	N	N	NM	SM	NS	Pale red orange clayey silty fine sand with minor coarse sand and gravel				
70													
75													
80													
85													
90	NM	L	SL M	N	N	NM	SP	NS	Pale orange poorly sorted fine sand - TD 107' BGS				
95													
100													
105													
105													


 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number:		Location:				
							MW-1		RDX Federal Com 17-44H				
							Date:		Client:				
							12/8/2020		WPX Energy				
Drilling Method:			Sampling Method:				Logged By:		Drilled By:				
Air Rotary			None				J. Linn, PG		Talon LPE				
Gravel Pack Type:			Gravel Pack Depth Interval:				Seal Type:		Seal Depth Interval:		Latitude:		
10/20 Sand			3 Bags				None		None		32.049656		
Casing Type:		Diameter:		Depth Interval:			Boring Total Depth (ft. BGS):			Longitude:			
PVC		2-inch		0-105 ft bgs			110			-103.904054			
Screen Type:		Slot:		Diameter:		Depth Interval:		Well Total Depth (ft. BGS):			Depth to Water (ft. BTOC):		
PVC		0.010-inch		2-inch		105 - 110 ft		110			> 110		
DTW Date:													
12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	CE	NS	Buff to pale pink colored caliche				
5													
10													
15													
20													
25													
30													
35													
40	NM	L	D	N	N	NM	SW	NS	Pinky orange well graded sand with minor silt				
45													
50													
55													
60	NM	L	D	N	N	NM	SP	NS	Pinky pale brown orange poorly graded fine sand with minor silt				
65													
70													
75													
80	NM	L	D	N	N	NM	SW-SM SW-SC	NS	Pinky brown orange well-graded sand with silt and clay				
85													
90													
95													
100	NM	L	D	N	N	NM	SP	NS	Pinky pale brown orange poorly graded fine sand with minor silt - TD: 110' bgs				
105													


 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number:		Location:				
							MW-1		RDX Federal Com 21-43				
							Date:		Client:				
							12/9/2020		WPX Energy				
Drilling Method:			Sampling Method:				Logged By:		Drilled By:				
Air Rotary			None				J. Linn, P.G.		Talon LPE				
Gravel Pack Type:			Gravel Pack Depth Interval:				Seal Type:		Seal Depth Interval:		Latitude:		
10/20 Sand			3 Bags				None		None		32.022571		
Casing Type:		Diameter:		Depth Interval:			Boring Total Depth (ft. BGS):			Longitude:			
PVC		2-inch		0-100 feet bgs			110			-103.884371			
Screen Type:		Slot:		Diameter:		Depth Interval:		Well Total Depth (ft. BGS):			Depth to Water (ft. BTWC):		
PVC		0.010-inch		2-inch		100 - 105 ft		105			> 105		
DTW Date:		12/16/2020											
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SP	NS	Pale orange to tan poorly graded fine sand				
5													
10													
15													
20	NM	H	D	N	N	NM	CL	NS	Pale orange/tan/pale red clay, dry, with silt, fine sand, and minor caliche				
25													
30													
35													
40	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand				
45													
50													
55													
60	NM	L	D	N	N	NM	SP	NS	Golden yellow poorly graded fine sand with minor silt and clay				
65													
70													
75													
80	NM	L	D	N	N	NM	SP	NS	Pale orange to pale red poorly graded fine sand with minor silt/clay				
85													
90													
95													
100	NM	H	D	N	N	NM	CL	NS	Brown orange clay with silt and fine sand				
105													
110													
115													
120	NM	H	D	N	N	NM	SC	NS	Golden yellow and buff colored clay with fine sand - TD Boring: 110' BGS; Sand 110' - 105' BGS				
125													
130													
135													

 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: Ross Draw Unit #38			
							Date: 12/8/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.030300		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.871338			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTOC): > 105		
DTW Date: 12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand				
5													
10													
15													
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand				
25													
30													
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand				
40													
45													
50													
55													
60													
65	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand				
70													
75													
80													
85													
90													
95	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS				
100													

 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: Ross Draw Unit #55			
							Date: 12/9/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.016165		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-101'7"			Boring Total Depth (ft. BGS): 106'7"			Longitude: -103.86346			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 101'7" - 106'7"		Well Total Depth (ft. BGS): 106'7"			Depth to Water (ft. BTOC): >106' 7"		
DTW Date: 12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SP	NS	Pale pink to buff colored poorly graded sand with minor silt				
5													
10													
15													
20	NM	L	D	N	N	NM	SW	NS	Pale tan orange well graded fine sand with minor medium and coarse sand				
25													
30													
35	NM	L	D	N	N	NM	SP	NS	Pale orange brown poorly graded fine sand with minor gravel				
40													
45													
50													
55													
60													
65													
70													
75	NM	L	D	N	N	NM	SP	NS	Grey poorly graded fine sand with minor gravel				
80													
85													
90													
95	NM	L	D	N	N	NM	SP	NS	Darker grey poorly graded fine sand with minor silt and minor medium sand				
100													
106'7"	NM	M	D	N	N	NM	SC	NS	Dark grey fine sand with moderate silt and clay - TD 106'7"				



 <b>HRL COMPLIANCE SOLUTIONS</b>							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: Ross Draw Unit #57			
							Date: 12/9/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.01032		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-105 feet bgs			Boring Total Depth (ft. BGS): 110			Longitude: -103.87246			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 105-110 ft		Well Total Depth (ft. BGS): 110			Depth to Water (ft. BTOC): > 110		
DTW Date: 12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L/M	D	N	N	NM	SM	NS	Tan/pale orange/pale brown poorly graded fine sand				
5													
10													
15													
20													
25													
30													
35	NM	M	D	N	N	NM	SW	NS	Hard, dry pale pink orange well graded sand with gravel				
40													
45													
50	NM	M	D	N	N	NM	SM	NS	Pale orange red tan silty fine sand				
55													
60	NM	L	D	N	N	NM	SW	NS	Dark brown greyish well graded sand				
65													
70	NM	L/M	D to SL M	N	N	NM	SW	NS	Grey well graded sand				
75													
80													
85													
90													
95													
100	NM	L/M	D	N	N	NM	SM	NS	Tan/pale orange/pale brown poorly graded fine sand - TD 110' bgs				
105													

 <b>HRL COMPLIANCE SOLUTIONS</b>							<b>BORING LOG/MONITORING WELL COMPLETION DIAGRAM</b>					
							Boring/Well Number: MW-1			Location: North Brushy Federal 35 # 010H		
							Date: 12/8/2020			Client: WPX Energy		
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE		
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.079909	
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.951386		
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100 - 105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTWC): > 105	
DTW Date: 12/16/2020												
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion
0	NM	L	D	N	N	NM	CE	NS	Buff to pale pink caliche			
5												
10												
15												
20	NM	L	D	N	N	NM	SM	NS	Tan to pale red silty sand			
25												
30												
35												
40												
45												
50	NM	M	M	N	N	NM	ML	NS	Tan to pale red sandy silt with minor medium sand			
55												
60	NM	H	M	N	N	NM	CL	NS	Tan clay with minor gravel			
65												
70												
75	NM	L	D	N	N	NM	SP	NS	Pale red poorly graded fine sand with minor silt			
80												
85												
90	NM	H	D/SLM	N	N	NM	CL	NS	Grey sandy lean clay with minor medium sand and minor angular gravel			
95												
100												
90	NM	M/H	M	N	N	NM	CL	NS	Brown with orange sandy lean clay with minor medium sand and angular gravel - TD Boring: 105'			
95												
100												

# Attachment 02



<p>Picture 1- East face, facing pad</p> <p>10-May-21</p>  A photograph showing a deep, narrow trench or excavation. The walls of the trench are reinforced with orange plastic sheet piling. The ground is sandy and uneven. In the background, a white pickup truck is parked on a dirt road, and some construction equipment is visible.	<p>Picture 2- East face, facing pad</p> <p>10-May-21</p>  A photograph showing a similar view to Picture 1, but from a slightly different angle. The trench is deep, and the orange sheet piling is visible. The ground is sandy and uneven. In the background, a white pickup truck is parked on a dirt road, and some construction equipment is visible.
<p>Picture 3- West face, west edge of location</p> <p>10-May-21</p>  A photograph showing a deep, narrow trench or excavation. The walls of the trench are reinforced with orange plastic sheet piling. The ground is sandy and uneven. In the background, there are green bushes and a dirt road.	

# Attachment 03



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-654-1

Client Project/Site: North Brushy Draw Fed 35

For:

WPX Energy Production LLC  
5315 Buena Vista Dr  
Carlsbad, New Mexico 88220

Attn: Lynda Laumbach

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
5/13/2021 12:11:18 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Laboratory Job ID: 890-654-1

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## Definitions/Glossary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

## Case Narrative

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

### Job ID: 890-654-1

Laboratory: Eurofins Xenco, Carlsbad

#### Narrative

#### Job Narrative 890-654-1

#### Receipt

The samples were received on 5/11/2021 8:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C

#### Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-654-1), FS02 (890-654-2), FS03 (890-654-3), FS04 (890-654-4), FS05 (890-654-5), FS06 (890-654-6), SW01 (890-654-7), SW02 (890-654-8), SW03 (890-654-9) and SW04 (890-654-10).

#### GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS06 (890-654-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: FS01

Lab Sample ID: 890-654-1

Date Collected: 05/10/21 16:30

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:18	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/11/21 10:41	05/11/21 20:18	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/11/21 10:41	05/11/21 20:18	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 14:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 14:56	1
Total TPH	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	05/12/21 07:52	05/12/21 14:56	1
o-Terphenyl	91		70 - 130	05/12/21 07:52	05/12/21 14:56	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.95		mg/Kg			05/12/21 22:36	1

Client Sample ID: FS02

Lab Sample ID: 890-654-2

Date Collected: 05/10/21 16:35

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:39	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		05/11/21 10:41	05/11/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/11/21 10:41	05/11/21 20:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130	05/11/21 10:41	05/11/21 20:39	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Client Sample ID: FS02

Lab Sample ID: 890-654-2

Date Collected: 05/10/21 16:35

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:16	1
Total TPH	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/12/21 07:52	05/12/21 15:16	1
o-Terphenyl	94		70 - 130	05/12/21 07:52	05/12/21 15:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		5.04		mg/Kg			05/12/21 22:52	1

## Client Sample ID: FS03

Lab Sample ID: 890-654-3

Date Collected: 05/10/21 16:40

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:00	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/11/21 10:41	05/11/21 21:00	1
1,4-Difluorobenzene (Surr)	112		70 - 130	05/11/21 10:41	05/11/21 21:00	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:57	1
Total TPH	<49.8	U	49.8		mg/Kg		05/12/21 07:52	05/12/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/12/21 07:52	05/12/21 15:57	1
o-Terphenyl	101		70 - 130	05/12/21 07:52	05/12/21 15:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		5.05		mg/Kg			05/12/21 22:57	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: FS04

Lab Sample ID: 890-654-4

Date Collected: 05/10/21 16:45

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 10:41	05/11/21 21:21	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 10:41	05/11/21 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/11/21 10:41	05/11/21 21:21	1
1,4-Difluorobenzene (Surr)	114		70 - 130	05/11/21 10:41	05/11/21 21:21	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/12/21 07:52	05/12/21 16:18	1
Diesel Range Organics (Over C10-C28)	68.1		50.1		mg/Kg		05/12/21 07:52	05/12/21 16:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/12/21 07:52	05/12/21 16:18	1
Total TPH	68.1		50.1		mg/Kg		05/12/21 07:52	05/12/21 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/12/21 07:52	05/12/21 16:18	1
o-Terphenyl	94		70 - 130	05/12/21 07:52	05/12/21 16:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9		4.97		mg/Kg			05/12/21 23:14	1

Client Sample ID: FS05

Lab Sample ID: 890-654-5

Date Collected: 05/10/21 16:50

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00293		0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:41	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		05/11/21 10:41	05/11/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/11/21 10:41	05/11/21 21:41	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/11/21 10:41	05/11/21 21:41	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Client Sample ID: FS05

Lab Sample ID: 890-654-5

Date Collected: 05/10/21 16:50

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 16:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 16:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 16:39	1
Total TPH	<49.9	U	49.9		mg/Kg		05/12/21 07:52	05/12/21 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	05/12/21 07:52	05/12/21 16:39	1
o-Terphenyl	94		70 - 130	05/12/21 07:52	05/12/21 16:39	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	443		4.99		mg/Kg			05/12/21 23:19	1

## Client Sample ID: FS06

Lab Sample ID: 890-654-6

Date Collected: 05/10/21 16:55

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 4

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 22:02	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/11/21 10:41	05/11/21 22:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/11/21 10:41	05/11/21 22:02	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	473		49.9		mg/Kg		05/12/21 08:24	05/12/21 15:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 15:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 15:16	1
Total TPH	473		49.9		mg/Kg		05/12/21 08:24	05/12/21 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	05/12/21 08:24	05/12/21 15:16	1
o-Terphenyl	81		70 - 130	05/12/21 08:24	05/12/21 15:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.7		4.98		mg/Kg			05/12/21 23:24	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: SW01

Lab Sample ID: 890-654-7

Date Collected: 05/10/21 17:00

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 2

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/11/21 12:27	05/12/21 08:05	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		05/11/21 12:27	05/12/21 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/11/21 12:27	05/12/21 08:05	1
1,4-Difluorobenzene (Surr)	122		70 - 130	05/11/21 12:27	05/12/21 08:05	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 15:57	1
Total TPH	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	05/12/21 08:24	05/12/21 15:57	1
o-Terphenyl	79		70 - 130	05/12/21 08:24	05/12/21 15:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	277		5.00		mg/Kg			05/12/21 23:30	1

Client Sample ID: SW02

Lab Sample ID: 890-654-8

Date Collected: 05/10/21 17:05

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 2

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:26	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/11/21 12:27	05/12/21 08:26	1
1,4-Difluorobenzene (Surr)	113		70 - 130	05/11/21 12:27	05/12/21 08:26	1

Eurofins Xenco, Carlsbad



## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: SW02

Lab Sample ID: 890-654-8

Date Collected: 05/10/21 17:05

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 2

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/21 08:24	05/12/21 16:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/21 08:24	05/12/21 16:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/21 08:24	05/12/21 16:18	1
Total TPH	<49.8	U	49.8		mg/Kg		05/12/21 08:24	05/12/21 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	05/12/21 08:24	05/12/21 16:18	1
o-Terphenyl	82		70 - 130	05/12/21 08:24	05/12/21 16:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		5.00		mg/Kg			05/12/21 23:35	1

Client Sample ID: SW03

Lab Sample ID: 890-654-9

Date Collected: 05/10/21 17:10

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 2

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:47	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		05/11/21 12:27	05/12/21 08:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/11/21 12:27	05/12/21 08:47	1
1,4-Difluorobenzene (Surr)	112		70 - 130	05/11/21 12:27	05/12/21 08:47	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 16:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 16:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 16:39	1
Total TPH	<49.9	U	49.9		mg/Kg		05/12/21 08:24	05/12/21 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	05/12/21 08:24	05/12/21 16:39	1
o-Terphenyl	79		70 - 130	05/12/21 08:24	05/12/21 16:39	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	283		5.04		mg/Kg			05/12/21 23:40	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: SW04

Lab Sample ID: 890-654-10

Date Collected: 05/10/21 17:10

Matrix: Solid

Date Received: 05/11/21 08:55

Sample Depth: - 2

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/11/21 12:27	05/12/21 09:07	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/11/21 12:27	05/12/21 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/11/21 12:27	05/12/21 09:07	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/11/21 12:27	05/12/21 09:07	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 16:59	1
Total TPH	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	05/12/21 08:24	05/12/21 16:59	1
o-Terphenyl	79		70 - 130	05/12/21 08:24	05/12/21 16:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		5.05		mg/Kg			05/12/21 23:46	1

Eurofins Xenco, Carlsbad

## Surrogate Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-654-1	FS01	102	108
890-654-2	FS02	103	113
890-654-3	FS03	104	112
890-654-4	FS04	98	114
890-654-5	FS05	105	120
890-654-6	FS06	106	102
890-654-7	SW01	103	122
890-654-8	SW02	95	113
890-654-9	SW03	99	112
890-654-10	SW04	87	108
LCS 880-2964/1-A	Lab Control Sample	95	106
LCS 880-2976/1-A	Lab Control Sample	97	112
LCSD 880-2964/2-A	Lab Control Sample Dup	94	103
LCSD 880-2976/2-A	Lab Control Sample Dup	95	109
MB 880-2964/5-A	Method Blank	105	101
MB 880-2976/5-A	Method Blank	112	102
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-654-1	FS01	95	91
890-654-2	FS02	97	94
890-654-3	FS03	105	101
890-654-4	FS04	101	94
890-654-5	FS05	99	94
890-654-6	FS06	74	81
890-654-7	SW01	73	79
890-654-8	SW02	79	82
890-654-9	SW03	74	79
890-654-10	SW04	72	79
LCS 880-3008/2-A	Lab Control Sample	111	110
LCS 880-3010/2-A	Lab Control Sample	115	127
LCSD 880-3008/3-A	Lab Control Sample Dup	115	110
LCSD 880-3010/3-A	Lab Control Sample Dup	98	106
MB 880-3008/1-A	Method Blank	106	111
MB 880-3010/1-A	Method Blank	90	103
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2964/5-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 14:02	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 10:41	05/11/21 14:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/11/21 10:41	05/11/21 14:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/11/21 10:41	05/11/21 14:02	1

Lab Sample ID: LCS 880-2964/1-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09433		mg/Kg		94	70 - 130
Toluene	0.100	0.1012		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09366		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09120		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-2964/2-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2964

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08611		mg/Kg		86	70 - 130	9	35
Toluene	0.100	0.1013		mg/Kg		101	70 - 130	0	35
Ethylbenzene	0.100	0.09533		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1925		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09504		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-2976/5-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 01:07	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-2976/5-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/21 12:27	05/12/21 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/21 12:27	05/12/21 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/21 12:27	05/12/21 01:07	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/11/21 12:27	05/12/21 01:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/11/21 12:27	05/12/21 01:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/11/21 12:27	05/12/21 01:07	1

Lab Sample ID: LCS 880-2976/1-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09117		mg/Kg		91	70 - 130
Toluene	0.100	0.09628		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09162		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1853		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09037		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-2976/2-A

Matrix: Solid

Analysis Batch: 2963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09295		mg/Kg		93	70 - 130	2	35
Toluene	0.100	0.09750		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09289		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130	3	35
o-Xylene	0.100	0.09142		mg/Kg		91	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3008/1-A

Matrix: Solid

Analysis Batch: 3004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/21 07:52	05/12/21 10:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/21 07:52	05/12/21 10:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/21 07:52	05/12/21 10:29	1
Total TPH	<50.0	U	50.0		mg/Kg		05/12/21 07:52	05/12/21 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/12/21 07:52	05/12/21 10:29	1
o-Terphenyl	111		70 - 130	05/12/21 07:52	05/12/21 10:29	1

Lab Sample ID: LCS 880-3008/2-A

Matrix: Solid

Analysis Batch: 3004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3008

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	963.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-3008/3-A

Matrix: Solid

Analysis Batch: 3004

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3008

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	996.0		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1142		mg/Kg		114	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: MB 880-3010/1-A

Matrix: Solid

Analysis Batch: 3006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 10:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 10:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 10:29	1
Total TPH	<50.0	U	50.0		mg/Kg		05/12/21 08:24	05/12/21 10:29	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	05/12/21 08:24	05/12/21 10:29	1
o-Terphenyl	103		70 - 130	05/12/21 08:24	05/12/21 10:29	1

Lab Sample ID: LCS 880-3010/2-A

Matrix: Solid

Analysis Batch: 3006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	917.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1080		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-3010/3-A

Matrix: Solid

Analysis Batch: 3006

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	803.6		mg/Kg		80	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	106		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2965/1-A

Matrix: Solid

Analysis Batch: 3025

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/12/21 18:28	1

Lab Sample ID: LCS 880-2965/2-A

Matrix: Solid

Analysis Batch: 3025

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	232.2		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-2965/3-A

Matrix: Solid

Analysis Batch: 3025

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	230.0		mg/Kg		92	90 - 110	1	20

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## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-654-1 MS

Matrix: Solid

Analysis Batch: 3025

Client Sample ID: FS01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	114		248	355.5		mg/Kg		98	90 - 110

Lab Sample ID: 890-654-1 MSD

Matrix: Solid

Analysis Batch: 3025

Client Sample ID: FS01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	114		248	364.8		mg/Kg		101	90 - 110	3	20

## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## GC VOA

## Analysis Batch: 2963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Total/NA	Solid	8021B	2964
890-654-2	FS02	Total/NA	Solid	8021B	2964
890-654-3	FS03	Total/NA	Solid	8021B	2964
890-654-4	FS04	Total/NA	Solid	8021B	2964
890-654-5	FS05	Total/NA	Solid	8021B	2964
890-654-6	FS06	Total/NA	Solid	8021B	2964
890-654-7	SW01	Total/NA	Solid	8021B	2976
890-654-8	SW02	Total/NA	Solid	8021B	2976
890-654-9	SW03	Total/NA	Solid	8021B	2976
890-654-10	SW04	Total/NA	Solid	8021B	2976
MB 880-2964/5-A	Method Blank	Total/NA	Solid	8021B	2964
MB 880-2976/5-A	Method Blank	Total/NA	Solid	8021B	2976
LCS 880-2964/1-A	Lab Control Sample	Total/NA	Solid	8021B	2964
LCS 880-2976/1-A	Lab Control Sample	Total/NA	Solid	8021B	2976
LCSD 880-2964/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2964
LCSD 880-2976/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2976

## Prep Batch: 2964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Total/NA	Solid	5035	
890-654-2	FS02	Total/NA	Solid	5035	
890-654-3	FS03	Total/NA	Solid	5035	
890-654-4	FS04	Total/NA	Solid	5035	
890-654-5	FS05	Total/NA	Solid	5035	
890-654-6	FS06	Total/NA	Solid	5035	
MB 880-2964/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2964/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2964/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 2976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-7	SW01	Total/NA	Solid	5035	
890-654-8	SW02	Total/NA	Solid	5035	
890-654-9	SW03	Total/NA	Solid	5035	
890-654-10	SW04	Total/NA	Solid	5035	
MB 880-2976/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2976/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2976/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## GC Semi VOA

## Analysis Batch: 3004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Total/NA	Solid	8015B NM	3008
890-654-2	FS02	Total/NA	Solid	8015B NM	3008
890-654-3	FS03	Total/NA	Solid	8015B NM	3008
890-654-4	FS04	Total/NA	Solid	8015B NM	3008
890-654-5	FS05	Total/NA	Solid	8015B NM	3008
MB 880-3008/1-A	Method Blank	Total/NA	Solid	8015B NM	3008
LCS 880-3008/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3008
LCSD 880-3008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3008

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## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## GC Semi VOA

## Analysis Batch: 3006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-6	FS06	Total/NA	Solid	8015B NM	3010
890-654-7	SW01	Total/NA	Solid	8015B NM	3010
890-654-8	SW02	Total/NA	Solid	8015B NM	3010
890-654-9	SW03	Total/NA	Solid	8015B NM	3010
890-654-10	SW04	Total/NA	Solid	8015B NM	3010
MB 880-3010/1-A	Method Blank	Total/NA	Solid	8015B NM	3010
LCS 880-3010/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3010
LCSD 880-3010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3010

## Prep Batch: 3008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Total/NA	Solid	8015NM Prep	
890-654-2	FS02	Total/NA	Solid	8015NM Prep	
890-654-3	FS03	Total/NA	Solid	8015NM Prep	
890-654-4	FS04	Total/NA	Solid	8015NM Prep	
890-654-5	FS05	Total/NA	Solid	8015NM Prep	
MB 880-3008/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3008/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Prep Batch: 3010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-6	FS06	Total/NA	Solid	8015NM Prep	
890-654-7	SW01	Total/NA	Solid	8015NM Prep	
890-654-8	SW02	Total/NA	Solid	8015NM Prep	
890-654-9	SW03	Total/NA	Solid	8015NM Prep	
890-654-10	SW04	Total/NA	Solid	8015NM Prep	
MB 880-3010/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3010/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## HPLC/IC

## Leach Batch: 2965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Soluble	Solid	DI Leach	
890-654-2	FS02	Soluble	Solid	DI Leach	
890-654-3	FS03	Soluble	Solid	DI Leach	
890-654-4	FS04	Soluble	Solid	DI Leach	
890-654-5	FS05	Soluble	Solid	DI Leach	
890-654-6	FS06	Soluble	Solid	DI Leach	
890-654-7	SW01	Soluble	Solid	DI Leach	
890-654-8	SW02	Soluble	Solid	DI Leach	
890-654-9	SW03	Soluble	Solid	DI Leach	
890-654-10	SW04	Soluble	Solid	DI Leach	
MB 880-2965/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2965/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2965/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-654-1 MS	FS01	Soluble	Solid	DI Leach	
890-654-1 MSD	FS01	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## HPLC/IC

## Analysis Batch: 3025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-654-1	FS01	Soluble	Solid	300.0	2965
890-654-2	FS02	Soluble	Solid	300.0	2965
890-654-3	FS03	Soluble	Solid	300.0	2965
890-654-4	FS04	Soluble	Solid	300.0	2965
890-654-5	FS05	Soluble	Solid	300.0	2965
890-654-6	FS06	Soluble	Solid	300.0	2965
890-654-7	SW01	Soluble	Solid	300.0	2965
890-654-8	SW02	Soluble	Solid	300.0	2965
890-654-9	SW03	Soluble	Solid	300.0	2965
890-654-10	SW04	Soluble	Solid	300.0	2965
MB 880-2965/1-A	Method Blank	Soluble	Solid	300.0	2965
LCS 880-2965/2-A	Lab Control Sample	Soluble	Solid	300.0	2965
LCSD 880-2965/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2965
890-654-1 MS	FS01	Soluble	Solid	300.0	2965
890-654-1 MSD	FS01	Soluble	Solid	300.0	2965

## Lab Chronicle

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Client Sample ID: FS01

Lab Sample ID: 890-654-1

Date Collected: 05/10/21 16:30

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 20:18	KL	XM
Total/NA	Prep	8015NM Prep			3008	05/12/21 07:52	AM	XM
Total/NA	Analysis	8015B NM		1	3004	05/12/21 14:56	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 22:36	WP	XM

## Client Sample ID: FS02

Lab Sample ID: 890-654-2

Date Collected: 05/10/21 16:35

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 20:39	KL	XM
Total/NA	Prep	8015NM Prep			3008	05/12/21 07:52	AM	XM
Total/NA	Analysis	8015B NM		1	3004	05/12/21 15:16	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 22:52	WP	XM

## Client Sample ID: FS03

Lab Sample ID: 890-654-3

Date Collected: 05/10/21 16:40

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 21:00	KL	XM
Total/NA	Prep	8015NM Prep			3008	05/12/21 07:52	AM	XM
Total/NA	Analysis	8015B NM		1	3004	05/12/21 15:57	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 22:57	WP	XM

## Client Sample ID: FS04

Lab Sample ID: 890-654-4

Date Collected: 05/10/21 16:45

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 21:21	KL	XM
Total/NA	Prep	8015NM Prep			3008	05/12/21 07:52	AM	XM
Total/NA	Analysis	8015B NM		1	3004	05/12/21 16:18	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:14	WP	XM

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## Lab Chronicle

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

## Client Sample ID: FS05

Lab Sample ID: 890-654-5

Date Collected: 05/10/21 16:50

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 21:41	KL	XM
Total/NA	Prep	8015NM Prep			3008	05/12/21 07:52	AM	XM
Total/NA	Analysis	8015B NM		1	3004	05/12/21 16:39	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:19	WP	XM

## Client Sample ID: FS06

Lab Sample ID: 890-654-6

Date Collected: 05/10/21 16:55

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2964	05/11/21 10:41	KL	XM
Total/NA	Analysis	8021B		1	2963	05/11/21 22:02	KL	XM
Total/NA	Prep	8015NM Prep			3010	05/12/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	3006	05/12/21 15:16	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:24	WP	XM

## Client Sample ID: SW01

Lab Sample ID: 890-654-7

Date Collected: 05/10/21 17:00

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2976	05/11/21 12:27	KL	XM
Total/NA	Analysis	8021B		1	2963	05/12/21 08:05	KL	XM
Total/NA	Prep	8015NM Prep			3010	05/12/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	3006	05/12/21 15:57	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:30	WP	XM

## Client Sample ID: SW02

Lab Sample ID: 890-654-8

Date Collected: 05/10/21 17:05

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2976	05/11/21 12:27	KL	XM
Total/NA	Analysis	8021B		1	2963	05/12/21 08:26	KL	XM
Total/NA	Prep	8015NM Prep			3010	05/12/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	3006	05/12/21 16:18	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:35	WP	XM

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Client Sample ID: SW03

Lab Sample ID: 890-654-9

Date Collected: 05/10/21 17:10

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2976	05/11/21 12:27	KL	XM
Total/NA	Analysis	8021B		1	2963	05/12/21 08:47	KL	XM
Total/NA	Prep	8015NM Prep			3010	05/12/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	3006	05/12/21 16:39	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:40	WP	XM

Client Sample ID: SW04

Lab Sample ID: 890-654-10

Date Collected: 05/10/21 17:10

Matrix: Solid

Date Received: 05/11/21 08:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2976	05/11/21 12:27	KL	XM
Total/NA	Analysis	8021B		1	2963	05/12/21 09:07	KL	XM
Total/NA	Prep	8015NM Prep			3010	05/12/21 08:24	DM	XM
Total/NA	Analysis	8015B NM		1	3006	05/12/21 16:59	AJ	XM
Soluble	Leach	DI Leach			2965	05/11/21 10:42	CH	XM
Soluble	Analysis	300.0		1	3025	05/12/21 23:46	WP	XM

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

1
2
3
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14

## Method Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw Fed 35

Job ID: 890-654-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-654-1	FS01	Solid	05/10/21 16:30	05/11/21 08:55	- 4
890-654-2	FS02	Solid	05/10/21 16:35	05/11/21 08:55	- 4
890-654-3	FS03	Solid	05/10/21 16:40	05/11/21 08:55	- 4
890-654-4	FS04	Solid	05/10/21 16:45	05/11/21 08:55	- 4
890-654-5	FS05	Solid	05/10/21 16:50	05/11/21 08:55	- 4
890-654-6	FS06	Solid	05/10/21 16:55	05/11/21 08:55	- 4
890-654-7	SW01	Solid	05/10/21 17:00	05/11/21 08:55	- 2
890-654-8	SW02	Solid	05/10/21 17:05	05/11/21 08:55	- 2
890-654-9	SW03	Solid	05/10/21 17:10	05/11/21 08:55	- 2
890-654-10	SW04	Solid	05/10/21 17:10	05/11/21 08:55	- 2



Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

Work Order No: \_\_\_\_\_

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

Project Manager:	Lynda Lambach	Bill to (if different)	→
Company Name:	WPR Energy Permian LLC	Company Name:	→
Address:	5315 Buena Vista Dr	Address:	→
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	→
Phone:	575-725-1647	Email:	lyndalambach@wprenergy.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	North Brushy Draw Fed 35	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:		Due Date:			
Project Location:	Tyler Dominguez	TAT starts the day received by the lab, if received by 4:30pm			
Sample Name:		Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
PO #:		Thermometer ID:	FM-007		
SAMPLE RECEIPT	Temp Blank:	Correction Factor:	-0.2		
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	3.0		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:	2.8		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				
Total Containers:					



890-654 Chain of Custody

ANALYSIS REQUEST	Preservative Codes
Chlorides (EPA 300.0)	None: NO
BTEX (Method 8021)	Cool: Cool
TPH (Method 8015)	HCL: HC
	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
	H <sub>3</sub> PO <sub>4</sub> : HP
	NaHSO <sub>4</sub> : NABIS
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
	Zn Acetate+NaOH: Zn
	NaOH+Ascorbic Acid: SPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
FS01	S	5-10-21	16:30	4'	C	1	X Chlorides (EPA 300.0)	
FS02			16:35	4'	C		X BTEX (Method 8021)	
FS03			16:46	4'	C		X TPH (Method 8015)	
FS04			16:45	4'	C			
FS05			16:50	4'	C			
FS06			16:55	4'	C			
SW01			17:00	2'	C			
SW02			17:05	2'	C			
SW03			17:10	2'	C			
SW04			17:15	2'	C			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

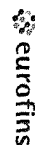
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-11-21 / 8:55			

Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)	COC No:			
Client Contact:		Shipping/Receiving		Phone		Kramer, Jessica		890-212 1				
Company		Eurofins Xenco		E-Mail	jessica.kramer@eurofinaet.com	State of Origin		Page:				
Address		1211 W Florida Ave		Accreditations Required (See note)		New Mexico		Page 1 of 2				
City		TAT Requested (days)		NELAP - Louisiana NELAP - Texas				Job #:				
Midland		5/17/2021						890-654-1				
State, Zip:												
TX, 79701												
Phone:		PO #										
432-704-5440(Tel)		WO #										
Email:		Project #:										
		88000204										
North Brushy Draw Fed 35		SSOW#:										
Site:												
<b>Sample Identification - Client ID (Lab ID)</b>				<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=comp, G=grab) (ST-Tissue, PMM)</b>	<b>Matrix (W=water, S=solid, O=other/dil.)</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>Analysis Requested</b>	<b>Total Number of containers</b>	<b>Special Instructions/Note:</b>
FS01 (890-654-1)				5/10/21	16 30	Mountain	Solid	X	X	X	1	
FS02 (890-654-2)				5/10/21	16 35	Mountain	Solid	X	X	X	1	
FS03 (890-654-3)				5/10/21	16 40	Mountain	Solid	X	X	X	1	
FS04 (890-654-4)				5/10/21	16 45	Mountain	Solid	X	X	X	1	
FS05 (890-654-5)				5/10/21	16 50	Mountain	Solid	X	X	X	1	
FS06 (890-654-6)				5/10/21	16 55	Mountain	Solid	X	X	X	1	
SW01 (890-654-7)				5/10/21	17 00	Mountain	Solid	X	X	X	1	
SW02 (890-654-8)				5/10/21	17 05	Mountain	Solid	X	X	X	1	
SW03 (890-654-9)				5/10/21	17 10	Mountain	Solid	X	X	X	1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyze &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.</p>												
<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: _____ Custody Seal No: _____ Cooler Temperature(s) °C and Other Remarks: _____												
<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QAC Requirements: _____												
<b>Preservation Codes</b> A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecylhydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other: _____												

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-654-1

SDG Number:

Login Number: 654

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-654-1

SDG Number:

Login Number: 654

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Midland

List Creation: 05/11/21 02:06 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-783-1

Client Project/Site: North Brushy Draw 35

**For:**

WPX Energy Production LLC  
5315 Buena Vista Dr  
Carlsbad, New Mexico 88220

Attn: Lynda Laumbach

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
6/10/2021 6:35:42 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Laboratory Job ID: 890-783-1

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## Definitions/Glossary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

## Case Narrative

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

### Job ID: 890-783-1

#### Laboratory: Eurofins Xenco, Carlsbad

#### Narrative

#### Job Narrative 890-783-1

#### Receipt

The samples were received on 6/7/2021 8:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

#### Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS07 (890-783-1), FS08 (890-783-2), FS09 (890-783-3) and FS11 (890-783-4).

#### GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: FS07 (890-783-1). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS07 (890-783-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

Method 8015MOD\_NM: Manual integration was performed on the following samples: FS07 (890-783-1), FS08 (890-783-2), FS09 (890-783-3), FS11 (890-783-4) and (MB 880-3906/1-A). A manual integration was performed in the >C12-C28 hydrocarbon range and the >C28-C36 hydrocarbon range due to a baseline rise creating a false detections.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Client Sample ID: FS07

Lab Sample ID: 890-783-1

Date Collected: 06/03/21 13:30

Matrix: Solid

Date Received: 06/07/21 08:51

Sample Depth: - 0.5

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/08/21 09:13	06/08/21 18:27	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/08/21 09:13	06/08/21 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	06/08/21 09:13	06/08/21 18:27	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/08/21 09:13	06/08/21 18:27	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 22:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 22:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 22:32	1
Total TPH	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	06/08/21 16:28	06/08/21 22:32	1
o-Terphenyl	111		70 - 130	06/08/21 16:28	06/08/21 22:32	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		5.02		mg/Kg			06/09/21 17:15	1

Client Sample ID: FS08

Lab Sample ID: 890-783-2

Date Collected: 06/03/21 13:35

Matrix: Solid

Date Received: 06/07/21 08:51

Sample Depth: - 0.5

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/08/21 09:13	06/08/21 18:47	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/08/21 09:13	06/08/21 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/08/21 09:13	06/08/21 18:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/08/21 09:13	06/08/21 18:47	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Client Sample ID: FS08

Lab Sample ID: 890-783-2

Date Collected: 06/03/21 13:35

Matrix: Solid

Date Received: 06/07/21 08:51

Sample Depth: - 0.5

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 23:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 23:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 23:33	1
Total TPH	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/08/21 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/08/21 16:28	06/08/21 23:33	1
o-Terphenyl	115		70 - 130	06/08/21 16:28	06/08/21 23:33	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		5.05		mg/Kg			06/09/21 17:29	1

## Client Sample ID: FS09

Lab Sample ID: 890-783-3

Date Collected: 06/03/21 13:40

Matrix: Solid

Date Received: 06/07/21 08:51

Sample Depth: - 0.5

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/08/21 09:13	06/08/21 19:08	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/08/21 09:13	06/08/21 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/08/21 09:13	06/08/21 19:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/08/21 09:13	06/08/21 19:08	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 23:53	1
Total TPH	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/08/21 16:28	06/08/21 23:53	1
o-Terphenyl	107		70 - 130	06/08/21 16:28	06/08/21 23:53	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.8		5.03		mg/Kg			06/09/21 17:34	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Client Sample ID: FS11

Lab Sample ID: 890-783-4

Date Collected: 06/03/21 13:50

Matrix: Solid

Date Received: 06/07/21 08:51

Sample Depth: - 0.5

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/08/21 09:13	06/08/21 19:28	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/08/21 09:13	06/08/21 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/08/21 09:13	06/08/21 19:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/08/21 09:13	06/08/21 19:28	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/09/21 00:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/09/21 00:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/09/21 00:13	1
Total TPH	<49.8	U	49.8		mg/Kg		06/08/21 16:28	06/09/21 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/08/21 16:28	06/09/21 00:13	1
o-Terphenyl	112		70 - 130	06/08/21 16:28	06/09/21 00:13	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		4.99		mg/Kg			06/09/21 17:39	1

Eurofins Xenco, Carlsbad



## Surrogate Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-783-1	FS07	133 S1+	86
890-783-2	FS08	116	99
890-783-3	FS09	118	100
890-783-4	FS11	118	102
LCS 880-3869/1-A	Lab Control Sample	107	94
LCSD 880-3869/2-A	Lab Control Sample Dup	107	95
MB 880-3869/5-A	Method Blank	112	95
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-783-1	FS07	109	111
890-783-1 MS	FS07	115	109
890-783-1 MSD	FS07	115	110
890-783-2	FS08	110	115
890-783-3	FS09	104	107
890-783-4	FS11	111	112
LCS 880-3906/2-A	Lab Control Sample	98	98
LCSD 880-3906/3-A	Lab Control Sample Dup	99	99
MB 880-3906/1-A	Method Blank	94	0.003 S1-
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3869/5-A

Matrix: Solid

Analysis Batch: 3870

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/08/21 09:13	06/08/21 13:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/08/21 09:13	06/08/21 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/08/21 09:13	06/08/21 13:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/08/21 09:13	06/08/21 13:03	1

Lab Sample ID: LCS 880-3869/1-A

Matrix: Solid

Analysis Batch: 3870

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08975		mg/Kg		90	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1104		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1153		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-3869/2-A

Matrix: Solid

Analysis Batch: 3870

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3869

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08806		mg/Kg		88	70 - 130	2	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	1	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2258		mg/Kg		113	70 - 130	0	35
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3906/1-A

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 21:32	1
Total TPH	<50.0	U	50.0		mg/Kg		06/08/21 16:28	06/08/21 21:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/08/21 16:28	06/08/21 21:32	1
o-Terphenyl	0.003	S1-	70 - 130	06/08/21 16:28	06/08/21 21:32	1

Lab Sample ID: LCS 880-3906/2-A

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	892.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-3906/3-A

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	888.3		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-783-1 MS

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: FS07

Prep Type: Total/NA

Prep Batch: 3906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1052		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1196		mg/Kg		120	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-783-1 MS

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: FS07

Prep Type: Total/NA

Prep Batch: 3906

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-783-1 MSD

Matrix: Solid

Analysis Batch: 3875

Client Sample ID: FS07

Prep Type: Total/NA

Prep Batch: 3906

	Sample	Sample	Spike	MSD	MSD				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1051		mg/Kg		105	70 - 130	0
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1221		mg/Kg		122	70 - 130	2
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	115		70 - 130							
o-Terphenyl	110		70 - 130							

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3883/1-A

Matrix: Solid

Analysis Batch: 3932

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			06/09/21 17:00	1	

Lab Sample ID: LCS 880-3883/2-A

Matrix: Solid

Analysis Batch: 3932

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	248.5		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-3883/3-A

Matrix: Solid

Analysis Batch: 3932

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	248.1		mg/Kg		99	90 - 110	0	20	

Lab Sample ID: 890-783-1 MS

Matrix: Solid

Analysis Batch: 3932

Client Sample ID: FS07

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	53.4		251	299.2		mg/Kg		98	90 - 110	

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-783-1 MSD									Client Sample ID: FS07			
Matrix: Solid									Prep Type: Soluble			
Analysis Batch: 3932												
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits	
Chloride	53.4		251	298.9		mg/Kg		98	90 - 110	0	20	

## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## GC VOA

## Prep Batch: 3869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Total/NA	Solid	5035	
890-783-2	FS08	Total/NA	Solid	5035	
890-783-3	FS09	Total/NA	Solid	5035	
890-783-4	FS11	Total/NA	Solid	5035	
MB 880-3869/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3869/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3869/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 3870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Total/NA	Solid	8021B	3869
890-783-2	FS08	Total/NA	Solid	8021B	3869
890-783-3	FS09	Total/NA	Solid	8021B	3869
890-783-4	FS11	Total/NA	Solid	8021B	3869
MB 880-3869/5-A	Method Blank	Total/NA	Solid	8021B	3869
LCS 880-3869/1-A	Lab Control Sample	Total/NA	Solid	8021B	3869
LCSD 880-3869/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3869

## GC Semi VOA

## Analysis Batch: 3875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Total/NA	Solid	8015B NM	3906
890-783-2	FS08	Total/NA	Solid	8015B NM	3906
890-783-3	FS09	Total/NA	Solid	8015B NM	3906
890-783-4	FS11	Total/NA	Solid	8015B NM	3906
MB 880-3906/1-A	Method Blank	Total/NA	Solid	8015B NM	3906
LCS 880-3906/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3906
LCSD 880-3906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3906
890-783-1 MS	FS07	Total/NA	Solid	8015B NM	3906
890-783-1 MSD	FS07	Total/NA	Solid	8015B NM	3906

## Prep Batch: 3906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Total/NA	Solid	8015NM Prep	
890-783-2	FS08	Total/NA	Solid	8015NM Prep	
890-783-3	FS09	Total/NA	Solid	8015NM Prep	
890-783-4	FS11	Total/NA	Solid	8015NM Prep	
MB 880-3906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-783-1 MS	FS07	Total/NA	Solid	8015NM Prep	
890-783-1 MSD	FS07	Total/NA	Solid	8015NM Prep	

## HPLC/IC

## Leach Batch: 3883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Soluble	Solid	DI Leach	
890-783-2	FS08	Soluble	Solid	DI Leach	
890-783-3	FS09	Soluble	Solid	DI Leach	
890-783-4	FS11	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## HPLC/IC (Continued)

## Leach Batch: 3883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3883/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3883/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3883/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-783-1 MS	FS07	Soluble	Solid	DI Leach	
890-783-1 MSD	FS07	Soluble	Solid	DI Leach	

## Analysis Batch: 3932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-783-1	FS07	Soluble	Solid	300.0	3883
890-783-2	FS08	Soluble	Solid	300.0	3883
890-783-3	FS09	Soluble	Solid	300.0	3883
890-783-4	FS11	Soluble	Solid	300.0	3883
MB 880-3883/1-A	Method Blank	Soluble	Solid	300.0	3883
LCS 880-3883/2-A	Lab Control Sample	Soluble	Solid	300.0	3883
LCSD 880-3883/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3883
890-783-1 MS	FS07	Soluble	Solid	300.0	3883
890-783-1 MSD	FS07	Soluble	Solid	300.0	3883

## Lab Chronicle

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

## Client Sample ID: FS07

## Lab Sample ID: 890-783-1

Date Collected: 06/03/21 13:30

Matrix: Solid

Date Received: 06/07/21 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3869	06/08/21 09:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3870	06/08/21 18:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3906	06/08/21 16:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3875	06/08/21 22:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3883	06/08/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			3932	06/09/21 17:15	CH	XEN MID

## Client Sample ID: FS08

## Lab Sample ID: 890-783-2

Date Collected: 06/03/21 13:35

Matrix: Solid

Date Received: 06/07/21 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3869	06/08/21 09:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3870	06/08/21 18:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3906	06/08/21 16:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3875	06/08/21 23:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3883	06/08/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			3932	06/09/21 17:29	CH	XEN MID

## Client Sample ID: FS09

## Lab Sample ID: 890-783-3

Date Collected: 06/03/21 13:40

Matrix: Solid

Date Received: 06/07/21 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3869	06/08/21 09:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3870	06/08/21 19:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3906	06/08/21 16:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3875	06/08/21 23:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3883	06/08/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			3932	06/09/21 17:34	CH	XEN MID

## Client Sample ID: FS11

## Lab Sample ID: 890-783-4

Date Collected: 06/03/21 13:50

Matrix: Solid

Date Received: 06/07/21 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3869	06/08/21 09:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3870	06/08/21 19:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3906	06/08/21 16:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3875	06/09/21 00:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3883	06/08/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			3932	06/09/21 17:39	CH	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad



Accreditation/Certification Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

## Method Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-783-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-783-1	FS07	Solid	06/03/21 13:30	06/07/21 08:51	- 0.5
890-783-2	FS08	Solid	06/03/21 13:35	06/07/21 08:51	- 0.5
890-783-3	FS09	Solid	06/03/21 13:40	06/07/21 08:51	- 0.5
890-783-4	FS11	Solid	06/03/21 13:50	06/07/21 08:51	- 0.5

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# Environment Testing

Xenco

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

Project Manager:	Lynda Laumbach	Bill To (if different):	
Company Name:	WPR Energy Services	Company Name:	
Address:	5315 Buena Vista Dr	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	575-725-1647	Email:	Lynda.Laumbach@wprenergy.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	North Brushy Draw 35	Tum Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
P Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			None: NO DI Water: H <sub>2</sub> O
Project Location:		Due Date:			Cool: Cool MeOH: Me
Sampler's Name:	Tyler Dominguez	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO <sub>3</sub> : HN
P.O. #:		Wet Ice: (Yes No)			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> No	Thermometer ID: TUNL-003			H <sub>3</sub> PO <sub>4</sub> : HP
Samples Received In tact:	Yes <input checked="" type="checkbox"/> No	Correction Factor: -0.2			NaHSO <sub>4</sub> : NABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No	Temperature Reading: 2.4			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No	Corrected Temperature: 2.2			Zn Acetate+NaOH: Zn
Total Containers:					NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont.	Parameters	Sample Comments
FS07	S	6-3-21	1:30	0.5'	G	1	X Chlorides (EPA 300.00)	
FS08	S		1:35				X BTEX (Method 8021)	
FS09	S		1:40				X TPH (Method 8015)	
FS11	S		1:50					



890-783 Chain of Custody

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metastasis to be analyzed: TELP / GPRP 6010 - 6RCRA - Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 2470 / 2471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Lynda Laumbach	Cecilia	6-7-21 08:40			

Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone 575-988-3199 Fax: 575-988-3199

## Chain of Custody Record



**Environment Testing  
America**

[illegible]

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-783-1

SDG Number:

Login Number: 783

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-783-1

SDG Number:

Login Number: 783

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 06/08/21 01:16 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-923-1

Client Project/Site: North Brushy Draw 35  
Revision: 1

**For:**

WPX Energy Production LLC  
5315 Buena Vista Dr  
Carlsbad, New Mexico 88220

Attn: Lynda Laumbach

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
7/19/2021 12:45:36 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Laboratory Job ID: 890-923-1

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## Definitions/Glossary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Xenco, Carlsbad

## Case Narrative

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

---

### Job ID: 890-923-1

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Laboratory: Eurofins Xenco, Carlsbad

---

#### Narrative

#### Job Narrative 890-923-1

##### Receipt

The sample was received on 7/12/2021 11:52 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

##### Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS08 (890-923-1).

##### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-5105 and analytical batch 880-5113 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

##### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

##### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

Client Sample ID: FS10

Lab Sample ID: 890-923-1

Date Collected: 07/06/21 08:30

Matrix: Solid

Date Received: 07/12/21 11:52

Sample Depth: - 0.5

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/13/21 14:47	07/13/21 18:47	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/13/21 14:47	07/13/21 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/13/21 14:47	07/13/21 18:47	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/13/21 14:47	07/13/21 18:47	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/14/21 08:51	07/16/21 17:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 17:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 17:08	1
Total TPH	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/14/21 08:51	07/16/21 17:08	1
o-Terphenyl	114		70 - 130	07/14/21 08:51	07/16/21 17:08	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			07/14/21 15:31	1

Eurofins Xenco, Carlsbad

# Surrogate Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-923-1	FS10	103	101
890-923-1 MS	FS10	113	88
890-923-1 MSD	FS10	113	85
LCS 880-5105/1-A	Lab Control Sample	98	99
LCSD 880-5105/2-A	Lab Control Sample Dup	110	92
MB 880-5105/5-A	Method Blank	104	96
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-923-1	FS10	99	114
LCS 880-5137/2-A	Lab Control Sample	114	121
LCSD 880-5137/3-A	Lab Control Sample Dup	114	118
MB 880-5137/1-A	Method Blank	94	111
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5105/5-A

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/13/21 14:47	07/13/21 18:18	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/13/21 14:47	07/13/21 18:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/13/21 14:47	07/13/21 18:18	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/13/21 14:47	07/13/21 18:18	1

Lab Sample ID: LCS 880-5105/1-A

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08695		mg/Kg		87	70 - 130
Toluene	0.100	0.08904		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09480		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09077		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-5105/2-A

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5105

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07956		mg/Kg		80	70 - 130	9	35
Toluene	0.100	0.09252		mg/Kg		93	70 - 130	4	35
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		109	70 - 130	13	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-923-1 MS

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: FS10

Prep Type: Total/NA

Prep Batch: 5105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.101	0.07566		mg/Kg		75	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-923-1 MS

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: FS10

Prep Type: Total/NA

Prep Batch: 5105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.101	0.08534		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.1026		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.202	0.2089		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.101	0.1014		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 890-923-1 MSD

Matrix: Solid

Analysis Batch: 5113

Client Sample ID: FS10

Prep Type: Total/NA

Prep Batch: 5105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.06871	F1	mg/Kg		68	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.08439		mg/Kg		84	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09650		mg/Kg		96	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1987		mg/Kg		99	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.09604		mg/Kg		96	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-5137/1-A

Matrix: Solid

Analysis Batch: 5260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 09:22	1
Total TPH	<50.0	U	50.0		mg/Kg		07/14/21 08:51	07/16/21 09:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/14/21 08:51	07/16/21 09:22	1
o-Terphenyl	111		70 - 130	07/14/21 08:51	07/16/21 09:22	1

Lab Sample ID: LCS 880-5137/2-A

Matrix: Solid

Analysis Batch: 5260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1258		mg/Kg		126	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-5137/2-A

Matrix: Solid

Analysis Batch: 5260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1128		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-5137/3-A

Matrix: Solid

Analysis Batch: 5260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	916.5	*1	mg/Kg		92	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	1000	1100		mg/Kg		110	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	118		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5133/1-A

Matrix: Solid

Analysis Batch: 5134

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/14/21 14:14	1

Lab Sample ID: LCS 880-5133/2-A

Matrix: Solid

Analysis Batch: 5134

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	270.1		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-5133/3-A

Matrix: Solid

Analysis Batch: 5134

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	270.7		mg/Kg		108	90 - 110	0	20

Eurofins Xenco, Carlsbad



## QC Association Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

## GC VOA

## Prep Batch: 5105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Total/NA	Solid	5035	
MB 880-5105/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5105/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5105/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-923-1 MS	FS10	Total/NA	Solid	5035	
890-923-1 MSD	FS10	Total/NA	Solid	5035	

## Analysis Batch: 5113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Total/NA	Solid	8021B	5105
MB 880-5105/5-A	Method Blank	Total/NA	Solid	8021B	5105
LCS 880-5105/1-A	Lab Control Sample	Total/NA	Solid	8021B	5105
LCSD 880-5105/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5105
890-923-1 MS	FS10	Total/NA	Solid	8021B	5105
890-923-1 MSD	FS10	Total/NA	Solid	8021B	5105

## GC Semi VOA

## Prep Batch: 5137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Total/NA	Solid	8015NM Prep	
MB 880-5137/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5137/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5137/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 5260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Total/NA	Solid	8015B NM	5137
MB 880-5137/1-A	Method Blank	Total/NA	Solid	8015B NM	5137
LCS 880-5137/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5137
LCSD 880-5137/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5137

## HPLC/IC

## Leach Batch: 5133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Soluble	Solid	DI Leach	
MB 880-5133/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5133/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5133/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 5134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-923-1	FS10	Soluble	Solid	300.0	5133
MB 880-5133/1-A	Method Blank	Soluble	Solid	300.0	5133
LCS 880-5133/2-A	Lab Control Sample	Soluble	Solid	300.0	5133
LCSD 880-5133/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5133

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

Client Sample ID: FS10

Lab Sample ID: 890-923-1

Date Collected: 07/06/21 08:30

Matrix: Solid

Date Received: 07/12/21 11:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5105	07/13/21 14:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5113	07/13/21 18:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5137	07/14/21 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5260	07/16/21 17:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5133	07/13/21 19:39	SC	XEN MID
Soluble	Analysis	300.0		1			5134	07/14/21 15:31	SC	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

**Accreditation/Certification Summary**

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

**Laboratory: Eurofins Xenco, Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Eurofins Xenco, Carlsbad

## Method Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Sample Summary

Client: WPX Energy Production LLC  
Project/Site: North Brushy Draw 35

Job ID: 890-923-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-923-1	FS10	Solid	07/06/21 08:30	07/12/21 11:52	- 0.5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

**Work Order No:**

www.xenco.com Page 1 of 1

Project Manager:	Lynda Laumbach	Bill to: (if different)	→
Company Name:	WPX Energy Permian LLC	Company Name:	→
Address:	5315 Buena Vista Dr	Address:	→
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	→
Phone:	575-725-1647	Email:	Lynda.Laumbach@wpenergy.com

Work Order Comments				
Program:	UST/PST <input type="checkbox"/>	PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/>	RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:				
Reporting:	Level II <input type="checkbox"/>	Level III <input type="checkbox"/>	PST/UST <input type="checkbox"/>	TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	Adapt <input type="checkbox"/>	Other:	

[illegible][illegible]

Total 200.7/6010	200.8/6020:	
8RCRA 13PPM	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr H Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed	TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xerco. Its affiliates and subcontractors. It assigns standard terms and conditions beyond the control of Eurofins Xerco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xerco, but not analyzed. These terms will be enforced unless previously negated. Eurofins Xerco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Eurofins Xerco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	7-12-21/1143	2		
3			4		
5			6		

Printed Date: 08/27/2021 10:01:21

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-923-1

Login Number: 923

List Number: 1

Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: WPX Energy Production LLC

Job Number: 890-923-1

Login Number: 923

List Number: 2

Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland

List Creation: 07/13/21 02:50 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Incident ID	NRM2006956859
District RP	
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: Lynda Laumbach Title: Environmental Professional  
Signature:  Date: 07/29/2021  
email: Lynda.Laumbach@dvn.com Telephone: (575)725-1647

**OCD Only**

Received by: Robert Hamlet Date: 10/1/2021

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: Robert Hamlet Date: 10/1/2021  
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

**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 38758

**CONDITIONS**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 38758
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2006956859 NORTH BRUSHY DRAW FEDERAL 35 #002H, thank you. This closure is approved.	10/1/2021