

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

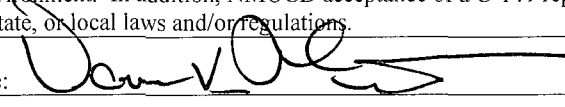
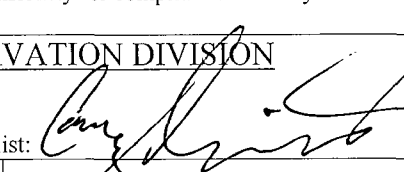
Name of Company WPX Energy Production	Contact Vanessa K Fields	RCVD OCT 15 '14
Address PO Box 640	Telephone No. 505-333-1880	OIL CONS. DIV.
Facility Name Chaco 2306-19E #188H	Facility Type Well Site	DIST. 3
Surface Owner Sate NMBLM	Mineral Owner NMBLM	API No. 30-043-21136

LOCATION OF RELEASE

Unit Letter E	Section 19	Township 23N	Range 06W	Feet from the	North/South Line	Feet from the	East/West Line	County Sandoval
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Latitude 36.12'49.98 release Longitude -107.31'04.65 release

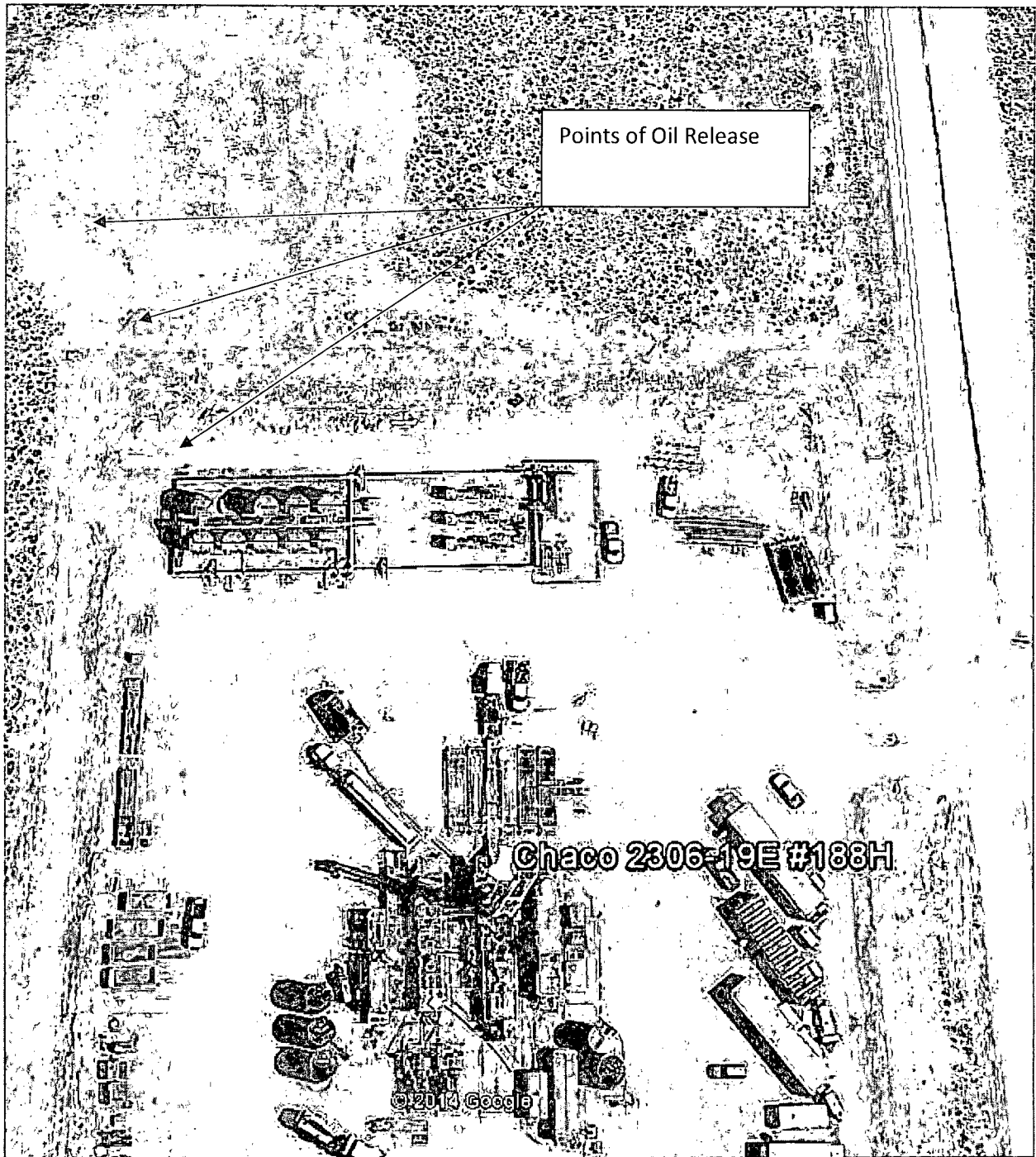
NATURE OF RELEASE

Type of Release: Light Crude Oil	Volume of Release 15BBLs	Volume Recovered 0 BBLs
Source of Release: Crude Oil driver transferring oil from sales line over flowed tank due to alarm failure on transport truck	Date and Hour of Occurrence 9-03-2014 3:00 pm	Date and Hour of Discovery 9-03-2014 3:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD, Cory Smith, NMOCD & Shari Ketcham NMBLM (By Phone Call)	
By Whom? Vanessa Fields	Date and Hour 9-12-2014 at 8:35 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Contractor was switching tanks and did not know that the tank they were transferring the oil to was full resulting in overflow of the oil tank. WPX Energy conducted spill training at MVCI to insure contractors are aware of WPX Energy's Spill training.		
Describe Area Affected and Cleanup Action Taken.* WPX Energy removed all contaminated soil from location transporting to Envirotech Land farm, Approximately 120 yards of contaminated soil was removed. Results of the samples determined no hydrocarbon impact to soil and minimal salt (Please see attached). The analytical results with the ground to depth water report attached fall within the NMOCD spill criteria. Clean soil was removed from the reclamation area on the Chaco 2306-19E #188H and used for the fill process where the contaminated soil was removed.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Vanessa K Fields	Approved by Environmental Specialist: 	
Title: Environmental Specialist	Approval Date: 11/21/14	Expiration Date:
E-mail Address: Vanessa.fields@wpxenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/13/2014	Phone: 333-1880	

* Attach Additional Sheets If Necessary

#/NES 1432547761

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Points of Oil Release

Chaco 2306-19E #188H

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Analytical Report

Report Summary

Client: WPX Energy, Inc.

Chain Of Custody Number: 17421

Samples Received: 10/2/2014 12:25:00PM

Job Number: 04108-0136

Work Order: P410005

Project Name/Location: Chaco 188 H Spill

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', written over a horizontal line.

Date: 10/3/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sample 1	P410005-01A	Soil	09/30/14	10/02/14	Glass Jar, 4 oz.
Sample 2	P410005-02A	Soil	09/30/14	10/02/14	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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laboratory@envirotech-inc.com



WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Sample 1
P410005-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %		50-150		1440030	10/02/14	10/02/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1		1440030	10/02/14	10/02/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1440033	10/03/14	10/03/14	EPA 8015D	
Surrogate: o-Terphenyl		113 %		50-200		1440033	10/03/14	10/03/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		89.7 %		50-150		1440030	10/02/14	10/02/14	EPA 8015D	
Cation/Anion Analysis										
Chloride	22.3	9.97	mg/kg	1		1440029	10/02/14	10/02/14	EPA 300.0	

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Sample 2
P410005-02 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %		50-150	1440030	10/02/14	10/02/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1440030	10/02/14	10/02/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1440033	10/03/14	10/03/14	EPA 8015D	
Surrogate: o-Terphenyl		128 %		50-200	1440033	10/03/14	10/03/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		93.7 %		50-150	1440030	10/02/14	10/02/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	21.0	9.82	mg/kg	1	1440029	10/02/14	10/02/14	EPA 300.0	

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1440030 - Purge and Trap EPA 5030A

Blank (1440030-BLK1)

Prepared & Analyzed: 02-Oct-14

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.357		"	0.400		89.3	50-150			

LCS (1440030-BS1)

Prepared & Analyzed: 02-Oct-14

Benzene	10200		ug/L	10000		102	75-125			
Toluene	9860		"	10000		98.6	70-125			
Ethylbenzene	9870		"	10000		98.7	75-125			
p,m-Xylene	20400		"	20000		102	80-125			
o-Xylene	9860		"	10000		98.6	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.370		mg/kg	0.400		92.7	50-150			

Matrix Spike (1440030-MS1)

Source: P410005-01

Prepared & Analyzed: 02-Oct-14

Benzene	10400		ug/L	10000	ND	104	75-125			
Toluene	10100		"	10000	ND	101	70-125			
Ethylbenzene	10100		"	10000	ND	101	75-125			
p,m-Xylene	21000		"	20000	ND	105	80-125			
o-Xylene	10100		"	10000	ND	101	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.359		mg/kg	0.399		89.9	50-150			

Matrix Spike Dup (1440030-MSD1)

Source: P410005-01

Prepared & Analyzed: 02-Oct-14

Benzene	10600		ug/L	10000	ND	106	75-125	1.56	15	
Toluene	10300		"	10000	ND	103	70-125	1.43	15	
Ethylbenzene	10300		"	10000	ND	103	75-125	1.60	15	
p,m-Xylene	21300		"	20000	ND	106	80-125	1.31	15	
o-Xylene	10300		"	10000	ND	103	75-125	2.06	15	
Surrogate: 4-Bromochlorobenzene-PID	0.381		mg/kg	0.400		95.4	50-150			

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WPX Energy, Inc.	Project Name:	Chaco 188 H Spill	Reported: 03-Oct-14 14:41
PO Box 21218	Project Number:	04108-0136	
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1440030 - Purge and Trap EPA 5030A										
Blank (1440030-BLK1)				Prepared & Analyzed: 02-Oct-14						
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.349		"	0.400		87.2	50-150			
LCS (1440030-BS1)				Prepared & Analyzed: 02-Oct-14						
Gasoline Range Organics (C6-C10)	147		mg/L	146		100	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.360		mg/kg	0.400		90.0	50-150			
Matrix Spike (1440030-MS1)				Source: P410005-01		Prepared & Analyzed: 02-Oct-14				
Gasoline Range Organics (C6-C10)	149		mg/L	146	1.50	101	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.347		mg/kg	0.399		87.0	50-150			
Matrix Spike Dup (1440030-MSD1)				Source: P410005-01		Prepared & Analyzed: 02-Oct-14				
Gasoline Range Organics (C6-C10)	153		mg/L	146	1.50	103	75-125	2.32	15	
Surrogate: 4-Bromochlorobenzene-FID	0.371		mg/kg	0.400		92.9	50-150			

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WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358	Project Name: Chaco 188 H Spill Project Number: 04108-0136 Project Manager: Vanessa Fields	Reported: 03-Oct-14 14:41
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1440033 - DRO Extraction EPA 3550M										
Blank (1440033-BLK1)				Prepared & Analyzed: 03-Oct-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	37.6		"	40.0		94.1	50-200			
LCS (1440033-BS1)				Prepared & Analyzed: 03-Oct-14						
Diesel Range Organics (C10-C28)	458	25.0	mg/kg	500		91.6	38-132			
Surrogate: o-Terphenyl	36.7		"	40.0		91.7	50-200			
Matrix Spike (1440033-MS1)				Source: P410005-01		Prepared & Analyzed: 03-Oct-14				
Diesel Range Organics (C10-C28)	567	30.0	mg/kg	499	ND	113	38-132			
Surrogate: o-Terphenyl	44.0		"	39.9		110	50-200			
Matrix Spike Dup (1440033-MSD1)				Source: P410005-01		Prepared & Analyzed: 03-Oct-14				
Diesel Range Organics (C10-C28)	635	29.9	mg/kg	499	ND	127	38-132	11.4	20	
Surrogate: o-Terphenyl	48.5		"	39.9		122	50-200			

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1440029 - Anion Extraction EPA 300.0										
Blank (1440029-BLK1)				Prepared & Analyzed: 02-Oct-14						
Chloride	ND	9.96	mg/kg							
LCS (1440029-BS1)				Prepared & Analyzed: 02-Oct-14						
Chloride	476	9.90	mg/kg	495		96.1	90-110			
Matrix Spike (1440029-MS1)				Source: P410005-01 Prepared & Analyzed: 02-Oct-14						
Chloride	497	9.85	mg/kg	493	22.3	96.4	80-120			
Matrix Spike Dup (1440029-MSD1)				Source: P410005-01 Prepared & Analyzed: 02-Oct-14						
Chloride	503	9.83	mg/kg	492	22.3	97.9	80-120	1.29	20	

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188 H Spill
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:41

Notes and Definitions

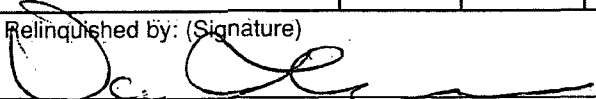
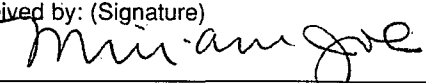
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference


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Rush

CHAIN OF CUSTODY RECORD

17421

Client: WPK Energy			Project Name / Location: Chaco 188H Spill			ANALYSIS / PARAMETERS														
Email results to: Vanessa.F. @wpkenergy.com Buddy.Shaw @wpkenergy.com			Sampler Name: Rob Bradshaw			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: 419-6219			Client No.: 04108-0136																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl														
Sample 1	9/30	12:00	P410005-01	1 4oz				X	X										X	X
Sample 2	9/30	1	P41005-02	1 4oz				X	1										X	X
Relinquished by: (Signature) 					Date	Time	Received by: (Signature) 					Date	Time							
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix																				
<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																				


envirotech 3.1 3.3
 Analytical Laboratory



Analytical Report

Report Summary

Client: WPX Energy, Inc.

Chain Of Custody Number: 17420

Samples Received: 10/2/2014 12:25:00PM

Job Number: 04108-0136

Work Order: P410004

Project Name/Location: Chaco 188H Spill Pond

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 10/3/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188H Spill Pond
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:30

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sample 1,2,3	P410004-01A	Aqueous	09/30/14	10/02/14	VOA Vial, 40mL
	P410004-01B	Aqueous	09/30/14	10/02/14	VOA Vial, 40mL
	P410004-01C	Aqueous	09/30/14	10/02/14	VOA Vial, 40mL

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188H Spill Pond
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:30

Sample 1,2,3
P410004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
Toluene	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
Ethylbenzene	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
p,m-Xylene	ND	0.002	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
o-Xylene	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
Total Xylenes	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
Total BTEX	ND	0.001	mg/L	1	1440032	10/02/14	10/02/14	EPA 8021B	CON1
Surrogate: 4-Bromochlorobenzene-PID		94.4 %		50-150	1440032	10/02/14	10/02/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	0.10	mg/L	1	1440032	10/02/14	10/02/14	EPA 8015D	CON1
Diesel Range Organics (C10-C28)	4.59	2.51	mg/L	1	1440031	10/02/14	10/02/14	EPA 8015D	
Surrogate: o-Terphenyl		37.4 %		50-200	1440031	10/02/14	10/02/14	EPA 8015D	Surr2
Surrogate: 4-Bromochlorobenzene-FID		91.1 %		50-150	1440032	10/02/14	10/02/14	EPA 8015D	

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5796 US Highway 64, Farmington, NM 87401

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Chaco 188H Spill Pond
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
03-Oct-14 14:30

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1440032 - Purge and Trap EPA 5030A

Blank (1440032-BLK1)				Prepared & Analyzed: 02-Oct-14						
Benzene	ND	0.001	mg/L							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.002	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 4-Bromochlorobenzene-PID	0.195		"	0.200		97.7	50-150			

LCS (1440032-BS1)				Prepared & Analyzed: 02-Oct-14						
Benzene	0.21	0.001	mg/L	0.200		105	80-120			
Toluene	0.20	0.001	"	0.200		102	75-120			
Ethylbenzene	0.20	0.001	"	0.200		99.8	75-125			
p,m-Xylene	0.42	0.002	"	0.400		104	75-130			
o-Xylene	0.20	0.001	"	0.200		101	80-120			
Surrogate: 4-Bromochlorobenzene-PID	0.194		"	0.200		97.1	50-150			

Matrix Spike (1440032-MS1)				Source: P409117-01	Prepared & Analyzed: 02-Oct-14					
Benzene	0.21	0.001	mg/L	0.200	ND	106	80-120			
Toluene	0.21	0.001	"	0.200	ND	103	75-120			
Ethylbenzene	0.21	0.001	"	0.200	ND	103	75-125			
p,m-Xylene	0.43	0.002	"	0.400	ND	106	75-130			
o-Xylene	0.21	0.001	"	0.200	ND	103	80-120			
Surrogate: 4-Bromochlorobenzene-PID	0.187		"	0.200		93.7	50-150			

Matrix Spike Dup (1440032-MSD1)				Source: P409117-01	Prepared & Analyzed: 02-Oct-14					
Benzene	0.21	0.001	mg/L	0.200	ND	105	80-120	1.18	15	
Toluene	0.20	0.001	"	0.200	ND	102	75-120	1.37	15	
Ethylbenzene	0.20	0.001	"	0.200	ND	101	75-125	1.13	15	
p,m-Xylene	0.42	0.002	"	0.400	ND	105	75-130	1.04	15	
o-Xylene	0.20	0.001	"	0.200	ND	102	80-120	0.972	15	
Surrogate: 4-Bromochlorobenzene-PID	0.195		"	0.200		97.6	50-150			

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WPX Energy, Inc.
 PO Box 21218
 Tulsa OK, 74121-1358

 Project Name: Chaco 188H Spill Pond
 Project Number: 04108-0136
 Project Manager: Vanessa Fields

 Reported:
 03-Oct-14 14:30

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1440031 - Sep Funnel Liquid-Liquid Extraction EPA 3510C										
Blank (1440031-BLK1)				Prepared & Analyzed: 02-Oct-14						
Diesel Range Organics (C10-C28)	ND	2.52	mg/L							
Surrogate: o-Terphenyl	0.195		"	1.00		19.5	50-200			Surr2
LCS (1440031-BS1)				Prepared & Analyzed: 02-Oct-14						
Diesel Range Organics (C10-C28)	9.64	2.51	mg/L	12.5		77.1	36-132			
Surrogate: o-Terphenyl	0.771		"	1.00		77.1	50-200			
Matrix Spike (1440031-MS1)				Source: P410004-01		Prepared & Analyzed: 03-Oct-14				
Diesel Range Organics (C10-C28)	5.05	3.45	mg/L	17.2	4.59	2.69	36-132			smpl-02, SPK 1
Surrogate: o-Terphenyl	0.174		"	1.38		12.6	50-200			Surr2
Matrix Spike Dup (1440031-MSD1)				Source: P410004-01		Prepared & Analyzed: 03-Oct-14				
Diesel Range Organics (C10-C28)	9.21	3.70	mg/L	16.7	4.59	27.8	36-132	58.4	20	D1, smpl-02, SPK 1
Surrogate: o-Terphenyl	0.362		"	1.33		27.1	50-200			Surr2

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WPX Energy, Inc.	Project Name:	Chaco 188H Spill Pond	Reported: 03-Oct-14 14:30
PO Box 21218	Project Number:	04108-0136	
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1440032 - Purge and Trap EPA 5030A										
Blank (1440032-BLK1)				Prepared & Analyzed: 02-Oct-14						
Gasoline Range Organics (C6-C10)	ND	0.10	mg/L							
Surrogate: 4-Bromochlorobenzene-FID	0.190		"	0.200		95.0	50-150			
LCS (1440032-BS1)				Prepared & Analyzed: 02-Oct-14						
Gasoline Range Organics (C6-C10)	3.01	0.10	mg/L	2.92		103	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.191		"	0.200		95.5	50-150			
Matrix Spike (1440032-MS1)				Source: P409117-01		Prepared & Analyzed: 02-Oct-14				
Gasoline Range Organics (C6-C10)	3.05	0.10	mg/L	2.92	ND	105	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.186		"	0.200		93.1	50-150			
Matrix Spike Dup (1440032-MSD1)				Source: P409117-01		Prepared & Analyzed: 02-Oct-14				
Gasoline Range Organics (C6-C10)	3.04	0.10	mg/L	2.92	ND	104	75-125	0.459	15	
Surrogate: 4-Bromochlorobenzene-FID	0.194		"	0.200		96.8	50-150			

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Project Name: Chaco 188H Spill Pond
Project Number: 04108-0136
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Reported:
03-Oct-14 14:30

Notes and Definitions

Surr2 Surrogate recovery was below acceptable limits.
SPK1 The spike recovery for this QC sample is outside of control limits.
smpl-02 Insufficient sample for batch QC.
D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
CON1 Sample not headspace free.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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Rush

CHAIN OF CUSTODY RECORD

17420

Client: WPX Energy			Project Name / Location: Chaco 188H Sp. 11 Porel			ANALYSIS / PARAMETERS																																																																																																																																																																																																																													
Email results to: Vanessa.Fields@wpxenergy.com Buddy.Shaw@wpxenergy.com			Sample Name: Cody Boyd			<table border="1"> <tr> <th>TPH (Method 8015)</th> <th>BTEX (Method 8021)</th> <th>VOC (Method 8260)</th> <th>RCRA 8 Metals</th> <th>Cation / Anion</th> <th>RCI</th> <th>TCLP with H/P</th> <th>CO Table 910-1</th> <th>TPH (418.1)</th> <th>CHLORIDE</th> <th></th> <th></th> <th></th> <th></th> <th>Sample Cool</th> <th>Sample Intact</th> </tr> <tr> <td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td> </tr> <tr> <td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td> </tr> <tr> <td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>														TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact	X	X													X	X	X	X													X	X	X	X													X	X																																																																																																																																																
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Client Phone No.: 505-419-6219			Client No.: 04108-0136																																																																																																																																																																																																																																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact																																																																																																																																																																																																														
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