Crystal Weaver
Environmental Specialist
NMOCD District II

October 23, 2017

Re: Sheep Draw 28-2 Closure summary – Case # 2RP-3845

Dear Ms. Weaver,

The purpose of this letter is to summarize remedial activities and sampling results that were completed in order close the incident that occurred on August 14, 2016 at the Sheep Draw 28-2 location.

Immediately after the incident, the affected area off location was fenced to keep the cattle out and the soil was mixed with a bioremediation product to address hydrocarbon impacts.
The affected area on location was scraped off and dispossessed off at a permitted commercial facility.

On 9/20/16, two samples were collected from the surface of the impacted area and on 6/6/2017, additional samples were collected to delineate vertical impacts of chlorides. All sampling results are summarized in the table below. The raw analytical data is included as an attachment.

Location	Date	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Chlorides (mg/kg)
Sheep Draw 28-2 1	9/20/16	860	41		ND	ND	ND	ND	6600
Sheep Draw 28-2 2	9/20/16	81	ND		ND	ND	ND	ND	170
Sheep Draw 28-2 3 0’	6/6/17	6.0	ND	8.2	ND	ND	ND	ND	970
Sheep Draw 28-2 3 2’	6/6/17								600
Sheep Draw 28-2 3 4’	6/6/17	ND	ND	7.9	ND	ND	ND	ND	350
Sheep Draw 28-2 3 6’	6/6/17								180
Sheep Draw 28-2 3 8’	6/6/17	9.1	ND	7.4	ND	ND	ND	ND	180

As the attached lab reports indicate, all organic compounds are in compliance with the cleanup requirements for this site. The chloride concentrations are delineated to 250 mg/kg which indicate that groundwater was not impacted by this spill. The well located at this site has been plugged and abandoned the site will be fully reclaimed upon this spill closure approval.
Please do not hesitate to call me if you have any questions.

Sincerely,

Karolina Blaney

Karolina Blaney
WPX Energy
Environmental Specialist
(970) 589-0743
karolina.blaney@wpxenergy.com

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 Inc/RKI	Contact Karolina Blaney
Address 5315 Buena Vista Dr.	Telephone No. 970 589 0743
Facility Name: Sheep Draw 28 Federal 2	Facility Type: Well Pad

Surface Owner: Private	Mineral Owner: Federal	API No. 30-015-27688

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	28	22S	26E	660	FSL	660	FEL	Eddy

Latitude: 32.030564 N **Longitude**: -103.8912511 W

NATURE OF RELEASE

Type of Release. produced water	Volume of Release: 10 Bbls	Volume Recovered: 5 Bbls
Source of Release Wellhead	Date and Hour of Occurrence 8/14/2016	Date and Hour of Discovery 8/14/2016 – 9:30 hrs MT
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? NMOCD Heather Patterson and Michael Bratcher, and the land owner.	
By Whom? Karolina Blaney	Date and Hour 8/15/16– 10:50 hrs MT; OCD via Email & Landowner by phone call	
Was a Watercourse Reached? ☐ Yes ☒ 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.*

The cause of this spill is equipment failure. An nipple on the bleed valve corroded allowing produced water and small volume of oil to spill on location. A significant stormwater event, which occurred before the discovery of the spill, saturated the ground and mobilized some of the spilled water into the field located northeast of the pad. The impacted soil was mixed with a bioremediation product and the area was fenced to keep the cows out.

Describe Area Affected and Cleanup Action Taken.*

On 9/20/16, two samples were collected from the surface of the impacted area and on 6/6/2017, additional samples were collected to delineate vertical impacts of chlorides. All sampling results are summarized in the attached table. The raw analytical data is included as an attachment. The well on this site has been plugged and abandoned and the pad underwent the final reclamation. The top 2' of the old reserve pit was removed and hauled off for disposal to further ensure that no residual spill impacts are left on site. The soil was replaced with native soil to ensure successful revegetation of the location.

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: Karolina Blaney	OIL CONSERVATION DIVISION	
Printed Name: Karolina Blaney	Approved by Environmental Specialist:	
Title: Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: Karolina.blaney@wpxenergy.com	Conditions of Approval:	Attached ☐
Date: 8/24//2016 Phone: 970-589-0743		

* Attach Additional Sheets If Necessary

Sheep Draw 28 Fed 2
Permian Basin

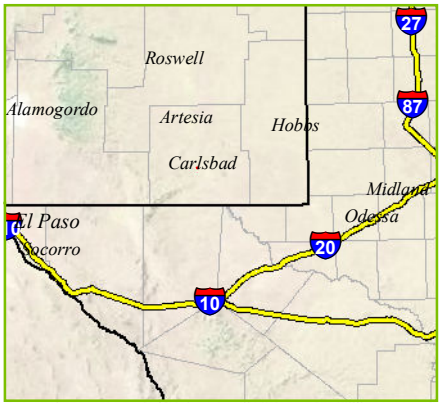
WPXENERGY

Date: 7/3/2017
Map Scale (at 8.5" x 11"): 1:500
Projection: NAD 1927 UTM Zone 13N
Created By: Jeremy Andarakes
Planning Project Specialist II
3500 One Williams Center
Tulsa, OK 74172

0 30 60
Feet

Map Symbology

- WPX Well - Producing
- Point of Interest
- Area of Interest



C:\Users\KBlaney\Desktop\Spill - Sheep Draw 28 Fed 2 - Permian - 8x11 P - KBlaney - 20160906.mxd

28-Sep-2016

Karolina Blaney
WPX Energy
5315 Buena Vista Dr.
Carlsbad, NM 88220

Re: **Sheep Draw 28-2 spill** Work Order: **16091217**

Dear Karolina,

ALS Environmental received 2 samples on 21-Sep-2016 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 998501

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

ALS Group USA, Corp

Date: 28-Sep-16

Client: WPX Energy
Project: Sheep Draw 28-2 spill
Work Order: **16091217**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16091217-01	Sheep Draw 28-2 1	Soil		9/20/2016 07:10	9/21/2016 09:30	☐
16091217-02	Sheep Draw 28-2 2	Soil		9/20/2016 07:20	9/21/2016 09:30	☐

ALS Group USA, Corp

Date: 28-Sep-16

Client: WPX Energy
Project: Sheep Draw 28-2 spill
Work Order: 16091217

Case Narrative

Batch 91941, Method DRO_8015_S, Sample 16091217-01A MS: The MS recovery was outside of the control limit for DRO. However, the MSD recovery and the RPD between the MS and MSD were in control. No qualification is required.

ALS Group USA, Corp

Date: 28-Sep-16

Client: WPX Energy
Project: Sheep Draw 28-2 spill
WorkOrder: **16091217**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group USA, Corp

Date: *28-Sep-16*

Client: WPX Energy
Project: Sheep Draw 28-2 spill
Sample ID: Sheep Draw 28-2 1
Collection Date: 9/20/2016 07:10 AM

Work Order: 16091217
Lab ID: 16091217-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3550 / 9/26/16	Analyst: **IT**
DRO (C10-C28)	**860**		**7.1**	**mg/Kg-dry**	1	9/27/2016 12:37 PM
Surr: 4-Terphenyl-d14	*68.6*		*39-133*	*%REC*	1	9/27/2016 12:37 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 / 9/23/16	Analyst: **IT**
GRO (C6-C10)	**41**		**3.8**	**mg/Kg-dry**	1	9/23/2016 08:55 PM
Surr: Toluene-d8	*101*		*50-150*	*%REC*	1	9/23/2016 08:55 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 9/22/16	Analyst: **LSY**
Benzene	ND		0.046	mg/Kg-dry	1	9/25/2016 09:27 AM
Ethylbenzene	ND		0.046	mg/Kg-dry	1	9/25/2016 09:27 AM
m,p-Xylene	ND		0.092	mg/Kg-dry	1	9/25/2016 09:27 AM
o-Xylene	ND		0.046	mg/Kg-dry	1	9/25/2016 09:27 AM
Toluene	ND		0.046	mg/Kg-dry	1	9/25/2016 09:27 AM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	9/25/2016 09:27 AM
Surr: 1,2-Dichloroethane-d4	*98.0*		*70-130*	*%REC*	1	9/25/2016 09:27 AM
Surr: 4-Bromofluorobenzene	*96.2*		*70-130*	*%REC*	1	9/25/2016 09:27 AM
Surr: Dibromofluoromethane	*88.7*		*70-130*	*%REC*	1	9/25/2016 09:27 AM
Surr: Toluene-d8	*97.5*		*70-130*	*%REC*	1	9/25/2016 09:27 AM
ANIONS BY ION CHROMATOGRAPHY			**SW9056A**		Prep: EXTRACT / 9/26/16	Analyst: **EE**
Chloride	**6,600**		**620**	**mg/Kg-dry**	50	9/27/2016 11:50 AM
MOISTURE			**SW3550C**			Analyst: **EDL**
Moisture	**21**		**0.050**	**% of sample**	1	9/24/2016 02:24 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: *28-Sep-16*

Client: WPX Energy
Project: Sheep Draw 28-2 spill
Sample ID: Sheep Draw 28-2 2
Collection Date: 9/20/2016 07:20 AM

Work Order: 16091217
Lab ID: 16091217-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3546 / 9/26/16	Analyst: **IT**
DRO (C10-C28)	**81**		**11**	**mg/Kg-dry**	1	9/26/2016 08:35 PM
Surr: 4-Terphenyl-d14	*75.7*		*39-133*	*%REC*	1	9/26/2016 08:35 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 / 9/23/16	Analyst: **IT**
GRO (C6-C10)	ND		4.3	mg/Kg-dry	1	9/23/2016 09:20 PM
Surr: Toluene-d8	*102*		*50-150*	*%REC*	1	9/23/2016 09:20 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 9/22/16	Analyst: **LSY**
Benzene	ND		0.052	mg/Kg-dry	1	9/25/2016 09:51 AM
Ethylbenzene	ND		0.052	mg/Kg-dry	1	9/25/2016 09:51 AM
m,p-Xylene	ND		0.10	mg/Kg-dry	1	9/25/2016 09:51 AM
o-Xylene	ND		0.052	mg/Kg-dry	1	9/25/2016 09:51 AM
Toluene	ND		0.052	mg/Kg-dry	1	9/25/2016 09:51 AM
Xylenes, Total	ND		0.16	mg/Kg-dry	1	9/25/2016 09:51 AM
Surr: 1,2-Dichloroethane-d4	*94.2*		*70-130*	*%REC*	1	9/25/2016 09:51 AM
Surr: 4-Bromofluorobenzene	*96.0*		*70-130*	*%REC*	1	9/25/2016 09:51 AM
Surr: Dibromofluoromethane	*91.1*		*70-130*	*%REC*	1	9/25/2016 09:51 AM
Surr: Toluene-d8	*97.0*		*70-130*	*%REC*	1	9/25/2016 09:51 AM
ANIONS BY ION CHROMATOGRAPHY			**SW9056A**		Prep: EXTRACT / 9/26/16	Analyst: **EE**
Chloride	**170**		**66**	**mg/Kg-dry**	5	9/27/2016 12:10 PM
MOISTURE			**SW3550C**			Analyst: **EDL**
Moisture	**27**		**0.050**	**% of sample**	1	9/24/2016 02:24 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 28-Sep-16

Client: WPX Energy

Work Order: 16091217

Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **91921** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-91921-91921** Units: **mg/Kg** Analysis Date: **9/26/2016 05:04 PM**

Client ID: Run ID: **GC8_160926A** SeqNo: **4050025** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	8.3								
Surr: 4-Terphenyl-d14	*2.641*	0	*3.333*	0	*79.2*	*39-133*	0			

LCS Sample ID: **DLCSS1-91921-91921** Units: **mg/Kg** Analysis Date: **9/26/2016 05:34 PM**

Client ID: Run ID: **GC8_160926A** SeqNo: **4050026** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	301.2	8.3	333.3	0	90.4	61-109	0			
Surr: 4-Terphenyl-d14	*2.631*	0	*3.333*	0	*78.9*	*39-133*	0			

MS Sample ID: **16091439-02A MS** Units: **mg/Kg** Analysis Date: **9/26/2016 06:04 PM**

Client ID: Run ID: **GC8_160926A** SeqNo: **4050027** Prep Date: **9/26/2016** DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	63830	4,000	321.5	84730	-6500	48-110	0			SO
Surr: 4-Terphenyl-d14	*74.26*	0	*3.215*	0	*2310*	*39-133*	0			*S*

MSD Sample ID: **16091439-02A MSD** Units: **mg/Kg** Analysis Date: **9/26/2016 06:35 PM**

Client ID: Run ID: **GC8_160926A** SeqNo: **4050029** Prep Date: **9/26/2016** DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	59910	4,100	331.7	84730	-7480	48-110	63830	6.33	30	SO
Surr: 4-Terphenyl-d14	*71.97*	0	*3.317*	0	*2170*	*39-133*	74.26	*3.13*	*30*	*S*

The following samples were analyzed in this batch: 16091217-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **91941** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-91941-91941** Units: **mg/Kg** Analysis Date: **9/26/2016 10:36 PM**
Client ID: Run ID: **GC8_160926A** SeqNo: **4050037** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
Surr: 4-Terphenyl-d14	*1.7*	0	*2*	0	*85*	*39-133*	0			

LCS Sample ID: **DLCSS1-91941-91941** Units: **mg/Kg** Analysis Date: **9/26/2016 11:06 PM**
Client ID: Run ID: **GC8_160926A** SeqNo: **4050038** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	165.7	5.0	200	0	82.8	61-109	0			
Surr: 4-Terphenyl-d14	*1.455*	0	*2*	0	*72.7*	*39-133*	0			

MS Sample ID: **16091217-01A MS** Units: **mg/Kg** Analysis Date: **9/26/2016 11:37 PM**
Client ID: **Sheep Draw 28-2 1** Run ID: **GC8_160926A** SeqNo: **4050039** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	753.4	5.6	223.1	682.9	31.6	48-110	0			S
Surr: 4-Terphenyl-d14	*1.559*	0	*2.231*	0	*69.9*	*39-133*	0			

MSD Sample ID: **16091217-01A MSD** Units: **mg/Kg** Analysis Date: **9/27/2016 12:07 PM**
Client ID: **Sheep Draw 28-2 1** Run ID: **GC8_160926A** SeqNo: **4050042** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	796.4	5.6	223.1	682.9	50.9	48-110	753.4	5.55	30	
Surr: 4-Terphenyl-d14	*1.45*	0	*2.231*	0	*65*	*39-133*	1.559	*7.24*	*30*	

The following samples were analyzed in this batch: 16091217-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **91834** Instrument ID **GC9** Method: **SW8015D**

MBLK Sample ID: **MBLK-91834-91834** Units: **µg/Kg-dry** Analysis Date: **9/23/2016 03:31 PM**
Client ID: Run ID: **GC9_160923A** SeqNo: **4047393** Prep Date: **9/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	*4140*	0	*5000*	0	*82.8*	*50-150*	0			

LCS Sample ID: **LCS-91834-91834** Units: **µg/Kg-dry** Analysis Date: **9/23/2016 03:06 PM**
Client ID: Run ID: **GC9_160923A** SeqNo: **4047392** Prep Date: **9/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	525200	2,500	500000	0	105	70-130	0			
Surr: Toluene-d8	*5466*	0	*5000*	0	*109*	*50-150*	0			

MS Sample ID: **16091139-01A MS** Units: **µg/Kg-dry** Analysis Date: **9/23/2016 06:25 PM**
Client ID: Run ID: **GC9_160923A** SeqNo: **4047400** Prep Date: **9/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	736100	3,500	690500	62620	97.5	70-130	0			
Surr: Toluene-d8	*7685*	0	*6905*	0	*111*	*50-150*	0			

MSD Sample ID: **16091139-01A MSD** Units: **µg/Kg-dry** Analysis Date: **9/23/2016 06:50 PM**
Client ID: Run ID: **GC9_160923A** SeqNo: **4047401** Prep Date: **9/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	773600	3,500	690500	62620	103	70-130	736100	4.98	30	
Surr: Toluene-d8	*7328*	0	*6905*	0	*106*	*50-150*	7685	*4.76*	*30*	

The following samples were analyzed in this batch: 16091217-01A 16091217-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **91795** Instrument ID **VMS7** Method: **SW8260B**

MBLK Sample ID: **MBLK-91795-91795** Units: **µg/Kg-dry** Analysis Date: **9/22/2016 11:49 AM**
Client ID: Run ID: **VMS7_160922A** SeqNo: **4042590** Prep Date: **9/22/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1042*	0	*1000*	0	*104*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*976*	0	*1000*	0	*97.6*	*70-130*	0			
Surr: Dibromofluoromethane	*897.5*	0	*1000*	0	*89.8*	*70-130*	0			
Surr: Toluene-d8	*1012*	0	*1000*	0	*101*	*70-130*	0			

LCS Sample ID: **LCS-91795-91795** Units: **µg/Kg-dry** Analysis Date: **9/22/2016 10:40 AM**
Client ID: Run ID: **VMS7_160922A** SeqNo: **4042589** Prep Date: **9/22/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1018	30	1000	0	102	75-125	0			
Ethylbenzene	1030	30	1000	0	103	75-125	0			
m,p-Xylene	2057	60	2000	0	103	80-125	0			
o-Xylene	1033	30	1000	0	103	75-125	0			
Toluene	1036	30	1000	0	104	70-125	0			
Xylenes, Total	3090	90	3000	0	103	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1013*	0	*1000*	0	*101*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*989*	0	*1000*	0	*98.9*	*70-130*	0			
Surr: Dibromofluoromethane	*1002*	0	*1000*	0	*100*	*70-130*	0			
Surr: Toluene-d8	*1003*	0	*1000*	0	*100*	*70-130*	0			

MS Sample ID: **16091139-01A MS** Units: **µg/Kg-dry** Analysis Date: **9/25/2016 06:34 AM**
Client ID: Run ID: **VMS8_160924A** SeqNo: **4046854** Prep Date: **9/22/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2187	41	1381	753.3	104	75-125	0			
Ethylbenzene	1688	41	1381	184.4	109	75-125	0			
m,p-Xylene	4179	83	2762	1313	104	80-125	0			
o-Xylene	1763	41	1381	285.9	107	75-125	0			
Toluene	3209	41	1381	1746	106	70-125	0			
Xylenes, Total	5942	120	4143	1598	105	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1257*	0	*1381*	0	*91*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1369*	0	*1381*	0	*99.1*	*70-130*	0			
Surr: Dibromofluoromethane	*1304*	0	*1381*	0	*94.4*	*70-130*	0			
Surr: Toluene-d8	*1351*	0	*1381*	0	*97.8*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **91795** Instrument ID **VMS7** Method: **SW8260B**

MSD Sample ID: **16091139-01A MSD** Units: **µg/Kg-dry** Analysis Date: **9/25/2016 06:58 AM**
Client ID: Run ID: **VMS8_160924A** SeqNo: **4046855** Prep Date: **9/22/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2165	41	1381	753.3	102	75-125	2187	1.02	30	
Ethylbenzene	1625	41	1381	184.4	104	75-125	1688	3.83	30	
m,p-Xylene	4018	83	2762	1313	98	80-125	4179	3.93	30	
o-Xylene	1687	41	1381	285.9	101	75-125	1763	4.4	30	
Toluene	3101	41	1381	1746	98.1	70-125	3209	3.41	30	
Xylenes, Total	5705	120	4143	1598	99.1	75-125	5942	4.07	30	
Surr: 1,2-Dichloroethane-d4	*1295*	0	*1381*	0	*93.8*	*70-130*	1257	*2.98*	*30*	
Surr: 4-Bromofluorobenzene	*1351*	0	*1381*	0	*97.8*	*70-130*	1369	*1.32*	*30*	
Surr: Dibromofluoromethane	*1305*	0	*1381*	0	*94.5*	*70-130*	1304	*0.0529*	*30*	
Surr: Toluene-d8	*1324*	0	*1381*	0	*95.8*	*70-130*	1351	*2.01*	*30*	

The following samples were analyzed in this batch: 16091217-01A 16091217-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **92059** Instrument ID **IC3** Method: **SW9056A**

MBLK Sample ID: **MBLK-92059-92059** Units: **mg/Kg** Analysis Date: **9/27/2016 10:29 AM**
Client ID: Run ID: **IC3_160927A** SeqNo: **4052283** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	2.968	10								J

LCS Sample ID: **LCS-92059-92059** Units: **mg/Kg** Analysis Date: **9/27/2016 10:49 AM**
Client ID: Run ID: **IC3_160927A** SeqNo: **4052286** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	105.2	10	100	0	105	80-120	0			

MS Sample ID: **16091454-04A MS** Units: **mg/Kg** Analysis Date: **9/27/2016 01:11 PM**
Client ID: Run ID: **IC3_160927A** SeqNo: **4052300** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	109	9.8	98.23	6.709	104	75-125	0			

MSD Sample ID: **16091454-04A MSD** Units: **mg/Kg** Analysis Date: **9/27/2016 01:31 PM**
Client ID: Run ID: **IC3_160927A** SeqNo: **4052302** Prep Date: **9/26/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	109.5	9.8	98.43	6.709	104	75-125	109	0.45	20	

The following samples were analyzed in this batch:

16091217-01A	16091217-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 16091217
Project: Sheep Draw 28-2 spill

QC BATCH REPORT

Batch ID: **R196505** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R196505** Units: **% of sample** Analysis Date: **9/24/2016 02:24 PM**
Client ID: Run ID: **MOIST_160924B** SeqNo: **4045914** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS Sample ID: **LCS-R196505** Units: **% of sample** Analysis Date: **9/24/2016 02:24 PM**
Client ID: Run ID: **MOIST_160924B** SeqNo: **4045913** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **16091271-01A DUP** Units: **% of sample** Analysis Date: **9/24/2016 02:24 PM**
Client ID: Run ID: **MOIST_160924B** SeqNo: **4045897** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	20.5	0.050	0	0	0		20.52	0.0975	20	

DUP Sample ID: **16091304-08A DUP** Units: **% of sample** Analysis Date: **9/24/2016 02:24 PM**
Client ID: Run ID: **MOIST_160924B** SeqNo: **4045907** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	81.59	0.050	0	0	0		81.91	0.391	20	

The following samples were analyzed in this batch:

16091217-01A	16091217-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r8

		SAMPLER		DATE	9/20/2016	WORKORDER #	16091217
						PAGE	1 of 1
PROJECT NAME	Sheep Draw 28-2 spill	SITE ID	Sheep Draw 28-2 spill	TURNAROUND	5 day	DISPOSAL	By Lab or Return to Client
PROJECT No.		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	WPX Energy	BILL TO COMPANY	WPX Energy				
SEND REPORT TO	Blaney	INVOICE ATTN TO	Karolina Blaney				
ADDRESS		ADDRESS	5315 Buena Vista Dr				
CITY / STATE / ZIP		CITY / STATE / ZIP	Carlsbad, NM 88220				
PHONE		PHONE	970 589 0743				
FAX		FAX					
E-MAIL	Karolina.blaney@wpxenergy.com;	E-MAIL	Karolina.blaney@wpxenergy.com; leo.braun@wpxenergy.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	TPH 8015	BTEX 8260	Chloride
	Sheep Draw 28-2 1	S	9/20/2016	7:10	1	8	x	x	x	x
	Sheep Draw 28-2 2	S	9/20/2016	7:20	1	8	x	x	x	x

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

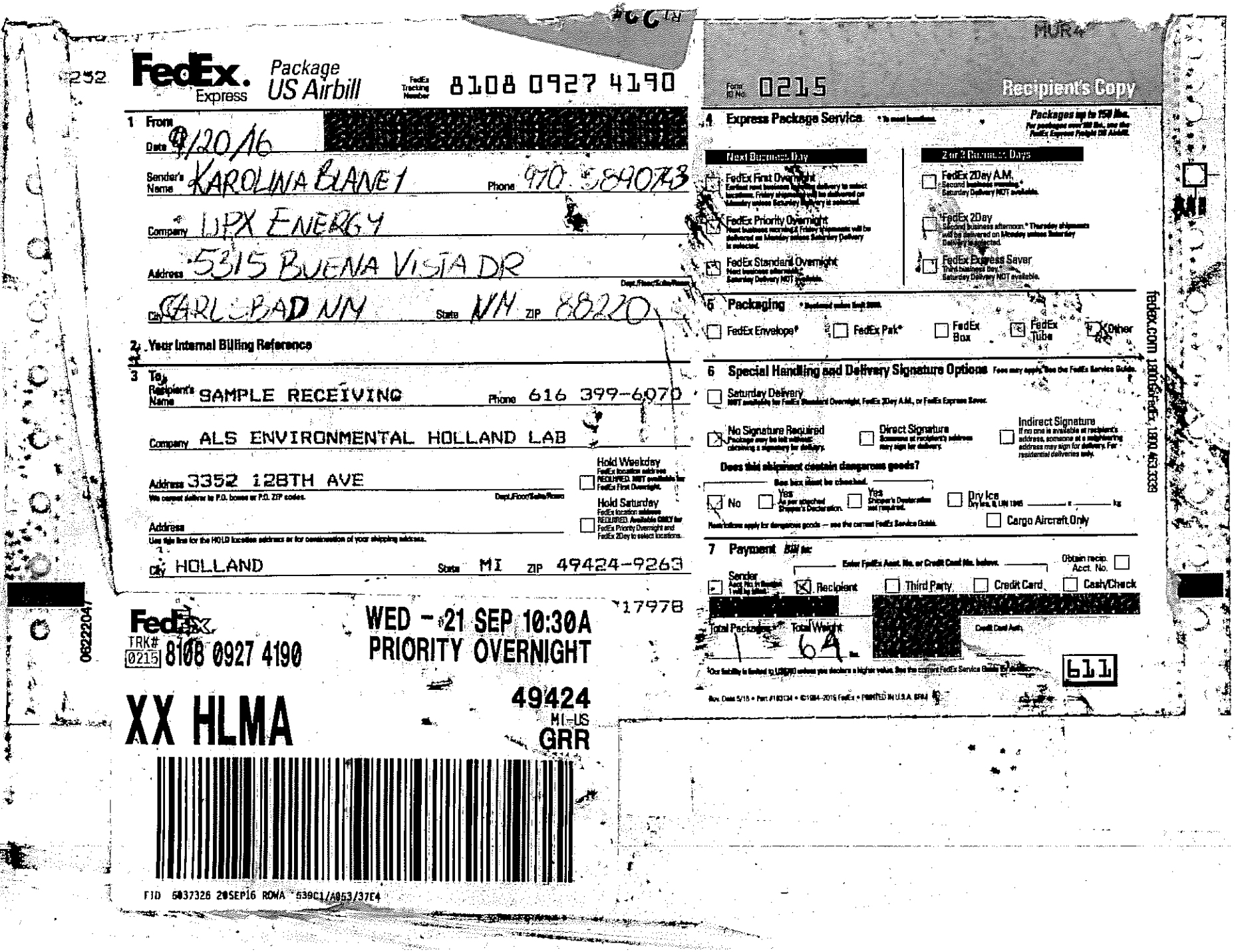
Comments:

4.2 ②

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Karolina Blaney	Karolina Blaney	9/20/2016	15:00
RECEIVED BY	[signature]	[signature]	9/21/16	930
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



FedEx Express Package US Airbill

FedEx Tracking Number 8108 0927 4190

Form ID No. 0215

Recipient's Copy

1 From

Date 9/20/16

Sender's Name KAROLINA BLANEY Phone 970 5840743

Company UPX ENERGY

Address 5315 BUENA VISTA DR

City CARLSBAD State NM ZIP 88220

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING Phone 616 399-6070

Company ALS ENVIRONMENTAL HOLLAND LAB

Address 3352 128TH AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City HOLLAND State MI ZIP 49424-9263

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service

Next Business Day

- FedEx First Overnight
- FedEx Priority Overnight
- FedEx Standard Overnight

2 or 3 Business Days

- FedEx 2Day A.M.
- FedEx 2Day
- FedEx Express Saver

5 Packaging

FedEx Envelope* | FedEx Pak* | FedEx Box | FedEx Tube | Other

6 Special Handling and Delivery Signature Options

Saturday Delivery

No Signature Required | Direct Signature | Indirect Signature

Does this shipment contain dangerous goods?

No | Yes | Dry Ice | Cargo Aircraft Only

7 Payment

Sender | Recipient | Third Party | Credit Card | Cash/Check

Total Packages 1 Total Weight 6A lbs.

611

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx TRK# 0215 8108 0927 4190

WED - 21 SEP 10:30A
PRIORITY OVERNIGHT

XX HLMA

49424
MI-US
GRR

FID 5037326 20SEP16 ROWA 539C1/A953/37E4

0822204

17978

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **WPX - NM** Date/Time Received: **21-Sep-16 09:30**

Work Order: **16091217** Received by: **MBB**

Checklist completed by Meghan Broadbent (eSignature) 21-Sep-16 (Date) Reviewed by: Chad Whelton (eSignature) 22-Sep-16 (Date)

Matrices: soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.2/4.2	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	9/21/2016 3:19:10 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

16-Jun-2017

Karolina Blaney
WPX Energy
5315 Buena Vista Dr.
Carlsbad, NM 88220

Re: **Sheep Draw 28-Fed 2** Work Order: **1706556**

Dear Karolina,

ALS Environmental received 5 samples on 09-Jun-2017 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 998501

ADDRESS 3352 128th Ave Holland, Michigan 49424 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

ALS Group, USA

Date: 16-Jun-17

Client: WPX Energy
Project: Sheep Draw 28-Fed 2
Work Order: **1706556**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1706556-01	Sheep Draw 28-Fed 2 S3 Surface	Soil		6/6/2017 14:00	6/9/2017 09:30	☐
1706556-02	Sheep Draw 28-Fed 2 S3 2'	Soil		6/6/2017 14:05	6/9/2017 09:30	☐
1706556-03	Sheep Draw 28-Fed 2 S3 4'	Soil		6/6/2017 14:10	6/9/2017 09:30	☐
1706556-04	Sheep Draw 28-Fed 2 S3 6'	Soil		6/6/2017 14:15	6/9/2017 09:30	☐
1706556-05	Sheep Draw 28-Fed 2 S3 8'	Soil		6/6/2017 14:20	6/9/2017 09:30	☐

ALS Group, USA

Date: 16-Jun-17

Client: WPX Energy
Project: Sheep Draw 28-Fed 2
WorkOrder: **1706556**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group, USA

Date: *16-Jun-17*

Client: WPX Energy
Project: Sheep Draw 28-Fed 2 **Work Order:** 1706556
Sample ID: Sheep Draw 28-Fed 2 S3 Surface **Lab ID:** 1706556-01
Collection Date: 6/6/2017 02:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 6/12/17 14:34		Analyst: **IT**
DRO (C10-C28)	**6.0**		**5.7**	**mg/Kg-dry**	1	6/12/2017 05:24 PM
ORO (C28-C40)	**8.2**		**5.7**	**mg/Kg-dry**	1	6/12/2017 05:24 PM
Surr: 4-Terphenyl-d14	*70.6*		*47-137*	*%REC*	1	6/12/2017 05:24 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/12/17 14:32		Analyst: **IT**
GRO (C6-C10)	ND		3.3	mg/Kg-dry	1	6/14/2017 08:35 AM
Surr: Toluene-d8	*98.6*		*50-150*	*%REC*	1	6/14/2017 08:35 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 6/12/17 14:29		Analyst: **WH**
Benzene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:19 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:19 AM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/13/2017 02:19 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:19 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:19 AM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/13/2017 02:19 AM
Surr: 1,2-Dichloroethane-d4	*99.4*		*70-130*	*%REC*	1	6/13/2017 02:19 AM
Surr: 4-Bromofluorobenzene	*103*		*70-130*	*%REC*	1	6/13/2017 02:19 AM
Surr: Dibromofluoromethane	*84.0*		*70-130*	*%REC*	1	6/13/2017 02:19 AM
Surr: Toluene-d8	*94.2*		*70-130*	*%REC*	1	6/13/2017 02:19 AM
CHLORIDE			**A4500-CL E-97**	Prep: EXTRACT 6/13/17 12:20		Analyst: **LW**
Chloride	**970**		**47**	**mg/Kg-dry**	4	6/13/2017 01:06 PM
MOISTURE			**SW3550C**			Analyst: **SBR**
Moisture	**14**		**0.050**	**% of sample**	1	6/13/2017 04:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *16-Jun-17*

Client: WPX Energy
Project: Sheep Draw 28-Fed 2 **Work Order:** 1706556
Sample ID: Sheep Draw 28-Fed 2 S3 2' **Lab ID:** 1706556-02
Collection Date: 6/6/2017 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CHLORIDE			**A4500-CL E-97**	Prep: EXTRACT 6/13/17 12:20		Analyst: **LW**
Chloride	**600**		**12**	**mg/Kg-dry**	1	6/13/2017 01:06 PM
MOISTURE			**SW3550C**			Analyst: **SBR**
Moisture	**18**		**0.050**	**% of sample**	1	6/13/2017 04:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *16-Jun-17*

Client: WPX Energy
Project: Sheep Draw 28-Fed 2 **Work Order:** 1706556
Sample ID: Sheep Draw 28-Fed 2 S3 4' **Lab ID:** 1706556-03
Collection Date: 6/6/2017 02:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 6/12/17 14:34		Analyst: **IT**
DRO (C10-C28)	ND		6.6	mg/Kg-dry	1	6/12/2017 04:55 PM
ORO (C28-C40)	**7.9**		**6.6**	**mg/Kg-dry**	1	6/12/2017 04:55 PM
Surr: 4-Terphenyl-d14	*92.1*		*47-137*	*%REC*	1	6/12/2017 04:55 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/12/17 14:32		Analyst: **IT**
GRO (C6-C10)	ND		4.2	mg/Kg-dry	1	6/14/2017 10:44 AM
Surr: Toluene-d8	*97.2*		*50-150*	*%REC*	1	6/14/2017 10:44 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 6/12/17 14:29		Analyst: **WH**
Benzene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:42 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:42 AM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/13/2017 02:42 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:42 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/13/2017 02:42 AM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/13/2017 02:42 AM
Surr: 1,2-Dichloroethane-d4	*97.4*		*70-130*	*%REC*	1	6/13/2017 02:42 AM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	1	6/13/2017 02:42 AM
Surr: Dibromofluoromethane	*83.5*		*70-130*	*%REC*	1	6/13/2017 02:42 AM
Surr: Toluene-d8	*95.7*		*70-130*	*%REC*	1	6/13/2017 02:42 AM
CHLORIDE			**A4500-CL E-97**	Prep: EXTRACT 6/13/17 12:20		Analyst: **LW**
Chloride	**350**		**13**	**mg/Kg-dry**	1	6/13/2017 01:06 PM
MOISTURE			**SW3550C**			Analyst: **SBR**
Moisture	**25**		**0.050**	**% of sample**	1	6/13/2017 04:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *16-Jun-17*

Client: WPX Energy
Project: Sheep Draw 28-Fed 2
Work Order: 1706556
Sample ID: Sheep Draw 28-Fed 2 S3 6'
Lab ID: 1706556-04
Collection Date: 6/6/2017 02:15 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CHLORIDE			**A4500-CL E-97**	Prep: EXTRACT 6/13/17 12:20		Analyst: **LW**
Chloride	**180**		**13**	**mg/Kg-dry**	1	6/13/2017 01:06 PM
MOISTURE			**SW3550C**			Analyst: **SBR**
Moisture	**22**		**0.050**	**% of sample**	1	6/13/2017 04:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *16-Jun-17*

Client: WPX Energy
Project: Sheep Draw 28-Fed 2 **Work Order:** 1706556
Sample ID: Sheep Draw 28-Fed 2 S3 8' **Lab ID:** 1706556-05
Collection Date: 6/6/2017 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 6/12/17 14:34		Analyst: **IT**
DRO (C10-C28)	**9.1**		**6.6**	**mg/Kg-dry**	1	6/12/2017 05:54 PM
ORO (C28-C40)	**7.4**		**6.6**	**mg/Kg-dry**	1	6/12/2017 05:54 PM
Surr: 4-Terphenyl-d14	*93.6*		*47-137*	*%REC*	1	6/12/2017 05:54 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/12/17 14:32		Analyst: **IT**
GRO (C6-C10)	ND		4.2	mg/Kg-dry	1	6/14/2017 11:09 AM
Surr: Toluene-d8	*99.0*		*50-150*	*%REC*	1	6/14/2017 11:09 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 6/12/17 14:29		Analyst: **WH**
Benzene	ND		0.030	mg/Kg-dry	1	6/13/2017 03:05 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/13/2017 03:05 AM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/13/2017 03:05 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/13/2017 03:05 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/13/2017 03:05 AM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/13/2017 03:05 AM
Surr: 1,2-Dichloroethane-d4	*99.2*		*70-130*	*%REC*	1	6/13/2017 03:05 AM
Surr: 4-Bromofluorobenzene	*102*		*70-130*	*%REC*	1	6/13/2017 03:05 AM
Surr: Dibromofluoromethane	*85.9*		*70-130*	*%REC*	1	6/13/2017 03:05 AM
Surr: Toluene-d8	*98.1*		*70-130*	*%REC*	1	6/13/2017 03:05 AM
CHLORIDE			**A4500-CL E-97**	Prep: EXTRACT 6/13/17 12:20		Analyst: **LW**
Chloride	**180**		**13**	**mg/Kg-dry**	1	6/13/2017 01:06 PM
MOISTURE			**SW3550C**			Analyst: **SBR**
Moisture	**25**		**0.050**	**% of sample**	1	6/13/2017 04:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 16-Jun-17

Client: WPX Energy

QC BATCH REPORT

Work Order: 1706556

Project: Sheep Draw 28-Fed 2

Batch ID: **103055** Instrument ID **GC8** Method: **SW8015C**

MBLK Sample ID: **DBLKS1-103055-103055** Units: **mg/Kg** Analysis Date: **6/12/2017 02:56 PM**

Client ID: Run ID: **GC8_170612A** SeqNo: **4476733** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	4.2	5.0								J
ORO (C28-C40)	2.882	5.0								J
Surr: 4-Terphenyl-d14	*2.933*	0	*3.33*	0	*88.1*	*47-137*	0			

LCS Sample ID: **DLCSS1-103055-103055** Units: **mg/Kg** Analysis Date: **6/12/2017 03:26 PM**

Client ID: Run ID: **GC8_170612A** SeqNo: **4476734** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	296.4	5.0	333	0	89	65-122	0			
ORO (C28-C40)	332.1	5.0	333	0	99.7	81-116	0			
Surr: 4-Terphenyl-d14	*3.25*	0	*3.33*	0	*97.6*	*47-137*	0			

MS Sample ID: **1706556-03A MS** Units: **mg/Kg** Analysis Date: **6/12/2017 03:55 PM**

Client ID: **Sheep Draw 28-Fed 2 S3 4'** Run ID: **GC8_170612A** SeqNo: **4476735** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	287.9	4.9	327.3	3.804	86.8	65-122	0			
ORO (C28-C40)	334.3	4.9	327.3	5.963	100	81-116	0			
Surr: 4-Terphenyl-d14	*3.26*	0	*3.273*	0	*99.6*	*47-137*	0			

MSD Sample ID: **1706556-03A MSD** Units: **mg/Kg** Analysis Date: **6/12/2017 04:25 PM**

Client ID: **Sheep Draw 28-Fed 2 S3 4'** Run ID: **GC8_170612A** SeqNo: **4476736** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	279.1	4.9	324	3.804	85	65-122	287.9	3.08	30	
ORO (C28-C40)	347.2	4.9	324	5.963	105	81-116	334.3	3.79	30	
Surr: 4-Terphenyl-d14	*3.178*	0	*3.24*	0	*98.1*	*47-137*	3.26	*2.54*	*30*	

The following samples were analyzed in this batch: 1706556-01A 1706556-03A 1706556-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 1706556
Project: Sheep Draw 28-Fed 2

QC BATCH REPORT

Batch ID: **103103** Instrument ID **GC9** Method: **SW8015D**

MBLK Sample ID: **MBLK-103103-103103** Units: **µg/Kg-dry** Analysis Date: **6/14/2017 06:01 AM**
Client ID: Run ID: **GC9_170613A** SeqNo: **4479543** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	*4550*	0	*5000*	0	*91*	*50-150*	0			

LCS Sample ID: **LCS-103103-103103** Units: **µg/Kg-dry** Analysis Date: **6/14/2017 05:10 AM**
Client ID: Run ID: **GC9_170613A** SeqNo: **4479542** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	518000	2,500	500000	0	104	70-130	0			
Surr: Toluene-d8	*5589*	0	*5000*	0	*112*	*50-150*	0			

MS Sample ID: **1706556-01A MS** Units: **µg/Kg-dry** Analysis Date: **6/14/2017 09:00 AM**
Client ID: **Sheep Draw 28-Fed 2 S3 Surface** Run ID: **GC9_170613A** SeqNo: **4479550** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	621700	3,300	662800	0	93.8	70-130	0			
Surr: Toluene-d8	*6962*	0	*6628*	0	*105*	*50-150*	0			

MSD Sample ID: **1706556-01A MSD** Units: **µg/Kg-dry** Analysis Date: **6/14/2017 09:26 AM**
Client ID: **Sheep Draw 28-Fed 2 S3 Surface** Run ID: **GC9_170613A** SeqNo: **4479551** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	689000	3,300	662800	0	104	70-130	621700	10.3	30	
Surr: Toluene-d8	*7580*	0	*6628*	0	*114*	*50-150*	6962	*8.5*	*30*	

The following samples were analyzed in this batch: 1706556-01A 1706556-03A 1706556-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 1706556
Project: Sheep Draw 28-Fed 2

QC BATCH REPORT

Batch ID: **103102** Instrument ID **VMS9** Method: **SW8260B**

MBLK Sample ID: **MBLK-103102-103102** Units: **µg/Kg-dry** Analysis Date: **6/12/2017 01:06 PM**
Client ID: Run ID: **VMS9_170612A** SeqNo: **4476403** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*988.5*	0	*1000*	0	*98.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1060*	0	*1000*	0	*106*	*70-130*	0			
Surr: Dibromofluoromethane	*963.5*	0	*1000*	0	*96.4*	*70-130*	0			
Surr: Toluene-d8	*938.5*	0	*1000*	0	*93.8*	*70-130*	0			

LCS Sample ID: **LCS-103102-103102** Units: **µg/Kg-dry** Analysis Date: **6/12/2017 11:57 AM**
Client ID: Run ID: **VMS9_170612A** SeqNo: **4476402** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	959	30	1000	0	95.9	75-125	0			
Ethylbenzene	973	30	1000	0	97.3	75-125	0			
m,p-Xylene	1966	60	2000	0	98.3	80-125	0			
o-Xylene	982.5	30	1000	0	98.2	75-125	0			
Toluene	954.5	30	1000	0	95.4	70-125	0			
Xylenes, Total	2949	90	3000	0	98.3	75-125	0			
Surr: 1,2-Dichloroethane-d4	*993.5*	0	*1000*	0	*99.4*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1004*	0	*1000*	0	*100*	*70-130*	0			
Surr: Dibromofluoromethane	*1060*	0	*1000*	0	*106*	*70-130*	0			
Surr: Toluene-d8	*991*	0	*1000*	0	*99.1*	*70-130*	0			

MS Sample ID: **1706556-01A MS** Units: **µg/Kg-dry** Analysis Date: **6/13/2017 08:07 AM**
Client ID: **Sheep Draw 28-Fed 2 S3 Surface** Run ID: **VMS9_170612B** SeqNo: **4476501** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	784	30	1000	0	78.4	75-125	0			
Ethylbenzene	791.5	30	1000	0	79.2	75-125	0			
m,p-Xylene	1607	60	2000	0	80.4	80-125	0			
o-Xylene	844	30	1000	0	84.4	75-125	0			
Toluene	752.5	30	1000	0	75.2	70-125	0			
Xylenes, Total	2451	90	3000	0	81.7	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1003*	0	*1000*	0	*100*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1044*	0	*1000*	0	*104*	*70-130*	0			
Surr: Dibromofluoromethane	*958.5*	0	*1000*	0	*95.8*	*70-130*	0			
Surr: Toluene-d8	*944*	0	*1000*	0	*94.4*	*70-130*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 1706556
Project: Sheep Draw 28-Fed 2

QC BATCH REPORT

Batch ID: **103102** Instrument ID **VMS9** Method: **SW8260B**

MSD Sample ID: **1706556-01A MSD** Units: **µg/Kg-dry** Analysis Date: **6/13/2017 08:31 AM**

Client ID: **Sheep Draw 28-Fed 2 S3 Surface** Run ID: **VMS9_170612B** SeqNo: **4476502** Prep Date: **6/12/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	850.5	30	1000	0	85	75-125	784	8.14	30	
Ethylbenzene	870	30	1000	0	87	75-125	791.5	9.45	30	
m,p-Xylene	1730	60	2000	0	86.5	80-125	1607	7.4	30	
o-Xylene	887.5	30	1000	0	88.8	75-125	844	5.02	30	
Toluene	816.5	30	1000	0	81.6	70-125	752.5	8.16	30	
Xylenes, Total	2618	90	3000	0	87.3	75-125	2451	6.59	30	
Surr: 1,2-Dichloroethane-d4	*998.5*	0	*1000*	0	*99.8*	*70-130*	1003	*0.45*	*30*	
Surr: 4-Bromofluorobenzene	*1028*	0	*1000*	0	*103*	*70-130*	1044	*1.54*	*30*	
Surr: Dibromofluoromethane	*965.5*	0	*1000*	0	*96.6*	*70-130*	958.5	*0.728*	*30*	
Surr: Toluene-d8	*939.5*	0	*1000*	0	*94*	*70-130*	944	*0.478*	*30*	

The following samples were analyzed in this batch: 1706556-01A 1706556-03A 1706556-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 1706556
Project: Sheep Draw 28-Fed 2

QC BATCH REPORT

Batch ID: **103156** Instrument ID **GALLERY** Method: **A4500-Cl E-97**

MBLK Sample ID: **MBLK-103156-103156** Units: **mg/Kg** Analysis Date: **6/13/2017 01:06 PM**
Client ID: Run ID: **GALLERY_170613B** SeqNo: **4476942** Prep Date: **6/13/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	10								

MS Sample ID: **1706579-01A MS** Units: **mg/Kg** Analysis Date: **6/13/2017 01:06 PM**
Client ID: Run ID: **GALLERY_170613B** SeqNo: **4476958** Prep Date: **6/13/2017** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1028	40	500	699.2	65.8	75-125	0			S

MSD Sample ID: **1706579-01A MSD** Units: **mg/Kg** Analysis Date: **6/13/2017 01:06 PM**
Client ID: Run ID: **GALLERY_170613B** SeqNo: **4476959** Prep Date: **6/13/2017** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1062	40	499	699.2	72.7	75-125	1028	3.24	25	S

LCS1 Sample ID: **LCS1-103156-103156** Units: **mg/Kg** Analysis Date: **6/13/2017 01:06 PM**
Client ID: Run ID: **GALLERY_170613B** SeqNo: **4476961** Prep Date: **6/13/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	106.7	10	100	0	107	80-120	0			

LCS2 Sample ID: **LCS2-103156-103156** Units: **mg/Kg** Analysis Date: **6/13/2017 01:06 PM**
Client ID: Run ID: **GALLERY_170613B** SeqNo: **4476962** Prep Date: **6/13/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	524.1	10	500	0	105	80-120	0			

The following samples were analyzed in this batch:

1706556-01A	1706556-02A	1706556-03A
1706556-04A	1706556-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: WPX Energy
Work Order: 1706556
Project: Sheep Draw 28-Fed 2

QC BATCH REPORT

Batch ID: **R213818** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R213818** Units: **% of sample** Analysis Date: **6/13/2017 04:14 PM**
Client ID: Run ID: **MOIST_170613C** SeqNo: **4478774** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS Sample ID: **LCS-R213818** Units: **% of sample** Analysis Date: **6/13/2017 04:14 PM**
Client ID: Run ID: **MOIST_170613C** SeqNo: **4478773** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1706556-04A DUP** Units: **% of sample** Analysis Date: **6/13/2017 04:14 PM**
Client ID: **Sheep Draw 28-Fed 2 S3 6'** Run ID: **MOIST_170613C** SeqNo: **4478766** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	21.54	0.050	0	0	0	0-0	21.86	1.47	5	

The following samples were analyzed in this batch:

1706556-01A	1706556-02A	1706556-03A
1706556-04A	1706556-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r8

WORKORDER #	1706556

		SAMPLER		DATE	6/8/2017	PAGE	1 of 1
PROJECT NAME	Sheep Draw 28-Fed 2	SITE ID	Sheep Draw 28- Fed 2	TURNAROUND	5 Day	DISPOSAL	By Lab or Return to Client
PROJECT No.		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	WPX Energy	BILL TO COMPANY	WPX Energy				
SEND REPORT TO	Blaney	INVOICE ATTN TO	Karolina Blaney				
ADDRESS		ADDRESS	5315 Buena Vista Dr				
CITY / STATE / ZIP		CITY / STATE / ZIP	Carlsbad, NM 88220				
PHONE		PHONE	970 589 0743				
FAX		FAX					
E-MAIL	Karolina.blaney@wpxenergy.com; james.raley@wpxenergy.com	E-MAIL	Karolina.blaney@wpxenergy.com; James.Raley@wpxenergy.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DRO GRO ORO	BTEX	Chloride
1	Sheep Draw 28-Fed 2 S3 Surface	S	6/6/2017	2:00 P.M.	2	8	x	x	x	x
2	Sheep Draw 28-Fed 2 S3 2'	S	6/6/2017	2:05 P.M.	1	8	x			x
3	Sheep Draw 28-Fed 2 S3 4'	S	6/6/2017	2:10 P.M.	2	8	x	x	x	x
4	Sheep Draw 28-Fed 2 S3 6'	S	6/6/2017	2:15 P.M.	1	8	x			x
5	Sheep Draw 28-Fed 2 S3 8'	S	6/6/2017	2:20 P.M.	2	8	x	x	x	x

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

SR2 4.6°c

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Karolina Blaney	Karolina Blaney	6/8/2017	15:00
RECEIVED BY	[signature]	Diane F. Shea	6/9/17	0930
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

ALS Group, USA

Sample Receipt Checklist

Client Name: **WPX - NM** Date/Time Received: **09-Jun-17 09:30**

Work Order: **1706556** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 09-Jun-17 (Date) Reviewed by: Chad Whelton (eSignature) 09-Jun-17 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.6/4.6 c	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/9/2017 11:03:05 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: