



Crystal Weaver
Environmental Specialist
NMOCD District II

February 2, 2016

Re: Pinnacle 36-32H workplan for the characterization of impacts – Case # 4058

Dear Ms. Weaver,

The purpose of this letter is to propose a workplan for the characterization of impacts associated with the Pinnacle 36-32H oil spill which occurred on December 21, 2016.

The impacted area was scraped off and sampled on 1/18/2017. The map of the impacted area along with the sample location and the laboratory report are included as an attachment. The results are summarized below:

Location	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Chlorides (mg/kg)
Pinnacle 36-32H	1400	ND	940	ND	ND	ND	ND	2900

The organic compounds and hydrocarbons tested above the OCD's cleanup thresholds. WPX proposes to delineate the impacts by digging a pothole near the sample point and screening soil at various depths until salt and hydrocarbon concentrations screen below 250 mg/kg and 1000 mg/kg respectively. Surface samples will be collected outside the impacted area to establish horizontal extent of the impacts. Samples will be screened for chlorides utilizing titration strips and for hydrocarbons utilizing PteroFlag. Samples that screen below the OCD's cleanup standards will be sent to a laboratory for confirmation. Once the characterization is completed, WPX will submit the results to OCD along with a cleanup plan for prior approval. WPX will start the delineation activities upon the approval of this request.

Please do not hesitate to call me if you have any questions.

Sincerely,

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



26-Jan-2017

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

Re: **Pinnacle 36-32**

Work Order: **1701892**

Dear Karolina,

ALS Environmental received 1 sample on 19-Jan-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 13.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 998501

Report of Laboratory Analysis

ADDRESS 3352 128th Ave Holland, Michigan 49424 | PHONE (616) 399-6070 | FAX (616) 399-6185

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Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: WPX Energy
Project: Pinnacle 36-32
Work Order: 1701892

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1701892-01	Pinnacle 36-32	Soil		1/18/2017 12:51	1/19/2017 09:30	☐

Client: WPX Energy
Project: Pinnacle 36-32
WorkOrder: 1701892

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
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.

<u>Acronym</u>	<u>Description</u>
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

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

ALS Group, USA

Date: 26-Jan-17

Client: WPX Energy

Project: Pinnacle 36-32

Sample ID: Pinnacle 36-32

Collection Date: 1/18/2017 12:51 PM

Work Order: 1701892

Lab ID: 1701892-01

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep: SW3546 / 1/24/17	Analyst: IT
DRO (C10-C28)	1,400		5.6	mg/Kg-dry	1	1/24/2017 06:06 PM
ORO (C28-C40)	940		5.6	mg/Kg-dry	1	1/24/2017 06:06 PM
Surr: 4-Terphenyl-d14	60.3		39-133	%REC	1	1/24/2017 06:06 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D		Prep: SW5035 / 1/20/17	Analyst: IT
GRO (C6-C10)	ND		3.2	mg/Kg-dry	1	1/25/2017 10:26 AM
Surr: Toluene-d8	87.0		50-150	%REC	1	1/25/2017 10:26 AM
VOLATILE ORGANIC COMPOUNDS						
			SW8260B		Prep: SW5035 / 1/20/17	Analyst: AK
Benzene	ND		0.039	mg/Kg-dry	1	1/20/2017 10:03 PM
Ethylbenzene	ND		0.039	mg/Kg-dry	1	1/20/2017 10:03 PM
m,p-Xylene	ND		0.078	mg/Kg-dry	1	1/20/2017 10:03 PM
o-Xylene	ND		0.039	mg/Kg-dry	1	1/20/2017 10:03 PM
Toluene	ND		0.039	mg/Kg-dry	1	1/20/2017 10:03 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	1/20/2017 10:03 PM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	1/20/2017 10:03 PM
Surr: 4-Bromofluorobenzene	99.4		70-130	%REC	1	1/20/2017 10:03 PM
Surr: Dibromofluoromethane	98.7		70-130	%REC	1	1/20/2017 10:03 PM
Surr: Toluene-d8	95.0		70-130	%REC	1	1/20/2017 10:03 PM
CHLORIDE						
			A4500-CL E-97		Prep: EXTRACT / 1/19/17	Analyst: EVB
Chloride	2,900		46	mg/Kg-dry	4	1/20/2017 04:20 PM
MOISTURE						
			SW3550C			Analyst: EDL
Moisture	13		0.050	% of sample	1	1/19/2017 03:35 PM

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

Client: WPX Energy
Work Order: 1701892
Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: **97358** Instrument ID **GC8** Method: **SW8015M**

MBLK		Sample ID: DBLKS1-97358-97358				Units: mg/Kg		Analysis Date: 1/24/2017 04:08 PM		
Client ID:		Run ID: GC8_170124A				SeqNo: 4259551		Prep Date: 1/24/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	1.499	5.0								J
ORO (C28-C40)	ND	5.0								
Surr: 4-Terphenyl-d14	1.622	0	3.33	0	48.7	39-133	0			

LCS		Sample ID: DLCSS1-97358-97358				Units: mg/Kg		Analysis Date: 1/24/2017 04:37 PM		
Client ID:		Run ID: GC8_170124A				SeqNo: 4259552		Prep Date: 1/24/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	267.8	5.0	333	0	80.4	61-109	0			
ORO (C28-C40)	285	5.0	333	0	85.6	61-119	0			
Surr: 4-Terphenyl-d14	1.707	0	3.33	0	51.3	39-133	0			

MS		Sample ID: 1701892-01A MS				Units: mg/Kg		Analysis Date: 1/24/2017 05:07 PM		
Client ID: Pinnacle 36-32		Run ID: GC8_170124A				SeqNo: 4259553		Prep Date: 1/24/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	1543	4.8	321	1240	94.4	48-110	0			
ORO (C28-C40)	1097	4.8	321	814.8	87.9	39-140	0			
Surr: 4-Terphenyl-d14	2.109	0	3.21	0	65.7	39-133	0			

MSD		Sample ID: 1701892-01A MSD				Units: mg/Kg		Analysis Date: 1/24/2017 05:37 PM		
Client ID: Pinnacle 36-32		Run ID: GC8_170124A				SeqNo: 4259554		Prep Date: 1/24/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	1417	4.8	317.4	1240	55.5	48-110	1543	8.57	30	
ORO (C28-C40)	1013	4.8	317.4	814.8	62.4	39-140	1097	7.97	30	
Surr: 4-Terphenyl-d14	2.126	0	3.174	0	67	39-133	2.109	0.802	30	

The following samples were analyzed in this batch: 1701892-01A

Client: WPX Energy
Work Order: 1701892
Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: **97263** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-97263-97263				Units: µg/Kg-dry		Analysis Date: 1/20/2017 10:13 PM		
Client ID:		Run ID: GC9_170120B				SeqNo: 4255419		Prep Date: 1/20/2017		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	4669	0	5000	0	93.4	50-150	0			

LCS		Sample ID: LCS-97263-97263				Units: µg/Kg-dry		Analysis Date: 1/20/2017 09:23 PM		
Client ID:		Run ID: GC9_170120B				SeqNo: 4255418		Prep Date: 1/20/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	512300	2,500	500000	0	102	70-130	0			
Surr: Toluene-d8	5196	0	5000	0	104	50-150	0			

MS		Sample ID: 1701868-01A MS				Units: µg/Kg-dry		Analysis Date: 1/21/2017 03:14 AM		
Client ID:		Run ID: GC9_170120B				SeqNo: 4255431		Prep Date: 1/20/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	766100	3,300	662800	13210	114	70-130	0			
Surr: Toluene-d8	7352	0	6628	0	111	50-150	0			

MSD		Sample ID: 1701868-01A MSD				Units: µg/Kg-dry		Analysis Date: 1/21/2017 03:39 AM		
Client ID:		Run ID: GC9_170120B				SeqNo: 4255432		Prep Date: 1/20/2017		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	708100	3,300	662800	13210	105	70-130	766100	7.88	30	
Surr: Toluene-d8	6796	0	6628	0	103	50-150	7352	7.86	30	

The following samples were analyzed in this batch: 1701892-01A

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

Client: WPX Energy
 Work Order: 1701892
 Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: 97264 Instrument ID VMS5 Method: SW8260B

MBLK Sample ID: MBLK-97264-97264				Units: µg/Kg-dry			Analysis Date: 1/20/2017 03:55 PM			
Client ID:		Run ID: VMS5_170120A		SeqNo: 4255479		Prep Date: 1/20/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30	0	0	0	0-0	0			
Ethylbenzene	ND	30	0	0	0	0-0	0			
m,p-Xylene	ND	60	0	0	0	0-0	0			
o-Xylene	ND	30	0	0	0	0-0	0			
Toluene	ND	30	0	0	0	0-0	0			
Xylenes, Total	ND	90	0	0	0	0-0	0			
Surr: 1,2-Dichloroethane-d4	1075	0	1000	0	108	70-130	0			
Surr: 4-Bromofluorobenzene	962	0	1000	0	96.2	70-130	0			
Surr: Dibromofluoromethane	989	0	1000	0	98.9	70-130	0			
Surr: Toluene-d8	975	0	1000	0	97.5	70-130	0			

LCS Sample ID: LCS-97264-97264				Units: µg/Kg-dry			Analysis Date: 1/20/2017 02:37 PM			
Client ID:		Run ID: VMS5_170120A		SeqNo: 4255477		Prep Date: 1/20/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1106	30	1000	0	111	75-125	0			
Ethylbenzene	1104	30	1000	0	110	75-125	0			
m,p-Xylene	2268	60	2000	0	113	80-125	0			
o-Xylene	1141	30	1000	0	114	75-125	0			
Toluene	1092	30	1000	0	109	70-125	0			
Xylenes, Total	3410	90	3000	0	114	75-125	0			
Surr: 1,2-Dichloroethane-d4	1016	0	1000	0	102	70-130	0			
Surr: 4-Bromofluorobenzene	1018	0	1000	0	102	70-130	0			
Surr: Dibromofluoromethane	978	0	1000	0	97.8	70-130	0			
Surr: Toluene-d8	1008	0	1000	0	101	70-130	0			

MS Sample ID: 1701967-09B MS				Units: µg/Kg-dry			Analysis Date: 1/23/2017 08:14 PM			
Client ID:		Run ID: VMS5_170123A		SeqNo: 4257290		Prep Date: 1/20/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1342	36	1212	0	111	75-125	0			
Ethylbenzene	1380	36	1212	0	114	75-125	0			
m,p-Xylene	2844	73	2425	0	117	80-125	0			
o-Xylene	1401	36	1212	0	116	75-125	0			
Toluene	1321	36	1212	0	109	70-125	0			
Xylenes, Total	4245	110	3637	0	117	75-125	0			
Surr: 1,2-Dichloroethane-d4	1204	0	1212	0	99.3	70-130	0			
Surr: 4-Bromofluorobenzene	1255	0	1212	0	104	70-130	0			
Surr: Dibromofluoromethane	1215	0	1212	0	100	70-130	0			
Surr: Toluene-d8	1201	0	1212	0	99.1	70-130	0			

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

Client: WPX Energy
Work Order: 1701892
Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: **97264** Instrument ID **VMS5** Method: **SW8260B**

MSD				Sample ID: 1701967-09B MSD				Units: µg/Kg-dry			Analysis Date: 1/23/2017 08:40 PM					
Client ID:				Run ID: VMS5_170123A				SeqNo: 4257291			Prep Date: 1/20/2017			DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual					
Benzene		1404	36	1212	0	116	75-125	1342	4.5	30						
Ethylbenzene		1466	36	1212	0	121	75-125	1380	6.05	30						
m,p-Xylene		2999	73	2425	0	124	80-125	2844	5.33	30						
o-Xylene		1486	36	1212	0	123	75-125	1401	5.92	30						
Toluene		1402	36	1212	0	116	70-125	1321	5.97	30						
Xylenes, Total		4486	110	3637	0	123	75-125	4245	5.53	30						
Surr: 1,2-Dichloroethane-d4		1194	0	1212	0	98.5	70-130	1204	0.809	30						
Surr: 4-Bromofluorobenzene		1261	0	1212	0	104	70-130	1255	0.434	30						
Surr: Dibromofluoromethane		1197	0	1212	0	98.7	70-130	1215	1.56	30						
Surr: Toluene-d8		1210	0	1212	0	99.8	70-130	1201	0.704	30						

The following samples were analyzed in this batch: 1701892-01A

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

Client: WPX Energy
 Work Order: 1701892
 Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: 97230 Instrument ID GALLERY Method: A4500-CI E-97

MBLK		Sample ID: MBLK-97230-97230				Units: mg/Kg		Analysis Date: 1/20/2017 04:20 PM		
Client ID:		Run ID: GALLERY_170120B		SeqNo: 4255778		Prep Date: 1/19/2017		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: 1701893-01A MS				Units: mg/Kg		Analysis Date: 1/20/2017 04:20 PM		
Client ID:		Run ID: GALLERY_170120B		SeqNo: 4255781		Prep Date: 1/19/2017		DF: 30		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 13400 300 498 11730 336 75-125 0 SO

MSD		Sample ID: 1701893-01A MSD				Units: mg/Kg		Analysis Date: 1/20/2017 04:20 PM		
Client ID:		Run ID: GALLERY_170120B		SeqNo: 4255782		Prep Date: 1/19/2017		DF: 30		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 13120 300 499 11730 278 75-125 13400 2.14 25 SO

LCS1		Sample ID: LCS1-97230-97230				Units: mg/Kg		Analysis Date: 1/20/2017 04:20 PM		
Client ID:		Run ID: GALLERY_170120B		SeqNo: 4255784		Prep Date: 1/19/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 98.64 10 100 0 98.6 80-120 0

LCS2		Sample ID: LCS2-97230-97230				Units: mg/Kg		Analysis Date: 1/20/2017 04:20 PM		
Client ID:		Run ID: GALLERY_170120B		SeqNo: 4255785		Prep Date: 1/19/2017		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 500.6 10 500 0 100 80-120 0

The following samples were analyzed in this batch:

1701892-01A

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

Client: WPX Energy
 Work Order: 1701892
 Project: Pinnacle 36-32

QC BATCH REPORT

Batch ID: **R204569** Instrument ID **MOIST** Method: **SW3550C**

MBLK				Sample ID: WBLKS-R204569				Units: % of sample			Analysis Date: 1/19/2017 03:35 PM			
Client ID:				Run ID: MOIST_170119B				SeqNo: 4253464			Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Moisture		0.04	0.050								J			

LCS		Sample ID: LCS-R204569				Units: % of sample		Analysis Date: 1/19/2017 03:35 PM		
Client ID:		Run ID: MOIST_170119B			SeqNo: 4253463		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: 1701838-15B DUP				Units: % of sample			Analysis Date: 1/19/2017 03:35 PM			
Client ID:				Run ID: MOIST_170119B				SeqNo: 4253448			Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Moisture		16.09	0.050	0	0	0		16.54	2.76	5				

DUP				Sample ID: 1701869-01A DUP				Units: % of sample			Analysis Date: 1/19/2017 03:35 PM			
Client ID:				Run ID: MOIST_170119B				SeqNo: 4253455			Prep Date:		DF: 1	
Analyte				Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture				17.85	0.050	0	0	0		17.83	0.112	5		

The following samples were analyzed in this batch:

1701892-01A

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



ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r0

WORKORDER #

1701892

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME Pinnacle 36-32

SAMPLER

DATE

1/18/2017

TURNAROUND

5 day

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

TPH DRO GRO ORO

BTEX 8260

Chloride

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Bottles

Pres.

QC

(

Pinnacle 36-32

S

1/18/2017

12:51

1

8

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

x

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:

QC PACKAGE (check below)

X

LEVEL I (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw data)

SPZ 3.6%

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

SIGNATURE

PRINTED NAME

DATE

TIME

RELINQUISHED BY

Karolina Blaney

RECEIVED BY

Karolina Blaney

1/18/2017

15:00

RELINQUISHED BY

RECEIVED BY

Kerry WIERENIA

1/19/17

0930

RELINQUISHED BY

RECEIVED BY

XX HLMA

49424
MI-US
GRR

00123

00252

FedEx Package
Express US Airbill

FedEx Tracking Number

8108 0927 4960

FID 5119004 18JAN17 CADA 539C1/1997/BCOA



1 From
Date 1/18/17
Sender's Name KAROLINA BLANEY
Company WPX ENERGY Phone 710 589 0743
Address 5315 BUENA VISTA DR
City CARLSBAD State NY ZIP 10520

2 Your Internal Billing Reference
Recipient's Name SAMPLE RECEIVING
Company ALS ENVIRONMENTAL HOLLAND LAB
Address 3352 128TH AVE
City HOLLAND State MI ZIP 49424-9255

3 To
Recipient's Name
Company
Address
City
State
ZIP



8108 0927 4960

4 Express Package Service

Next Business Day
☐ FedEx First Overnight
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
2 or 3 Business Days
☐ FedEx 2Day AM
☐ 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's Acct. No. or Credit Card No.
☐ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check
Total Packages 1
Total Weight 2.1 lbs

New. Date 5/15 • Form 5000-134 • ©1994-2015 FedEx • PRINTED IN U.S.A. 5004

611

Sample Receipt Checklist

Client Name: **WPX - NM**

Date/Time Received: **19-Jan-17 09:30**

Work Order: **1701892**

Received by: **KRW**

Checklist completed by Keith Wurenga
eSignature

19-Jan-17
Date

Reviewed by: Chad Whelton
eSignature

20-Jan-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):	<u>3.6/3.6 C</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>1/19/2017 3:37:17 PM</u>		
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:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



PINNACLE 36-32
Permian Basin



Date: 1/26/2017
Map Scale (at 8.5" x 11"): 1:800
Projection: NAD 1927 UTM Zone 13N
Created By: Jeremy Andarakes
Facilities Engineering Dept - GIS
3500 One Williams Center
Tulsa, OK 74172

Map Symbology

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

