September 2, 2015

Stan Spencer
NW Environmental Protection Specialist
Colorado Oil and Gas Conservation Commission
796 Megan Ave, Suite 201,
Rifle, CO 81650

Re: GV 2-31 produced water spill closure request

Dear Mr. Spencer,

On July 24, 2015, WPX discovered a leak on the 4" waterline located in Starkey Gulch near the GV 2-31 well pad. The line has been used to transport water from pads in Starkey gulch to the main water system. Upon discovery of the leak, the line was shut in, drained, and excavated for repair. Internal corrosion was found to be the root cause of the hole in the pipe. Because of the amount of internal corrosion, WPX have decided not to place the line back in service at this time; water will trucked out of the area. If a determination is made to use the 4" line for the water transfer, WPX will install a 2" flex pipe inside of the 4" line and pressure test it prior to operations.

In order to close the produced water spill, attached are the laboratory results and the sample location map for soil samples collected from the impacted area.

Soil samples were collected from the excavated area and excavated material. Samples were analyzed for a reduced list of analytes which included organic compounds and inorganics listed in COGCC Table 910-1. The abbreviated list of analytes was approved by COGCC via supplemental Form 19. A background sample was collected of the nearby non-impacted native soil and analyzed for inorganics.

As the attached lab reports indicate, all organic compounds listed in the COGCC Table 910-1 are in compliance with the cleanup requirements. The excavated area was backfilled with the excavated material. The impacted area will be amended with nutrients as needed and reseeded.

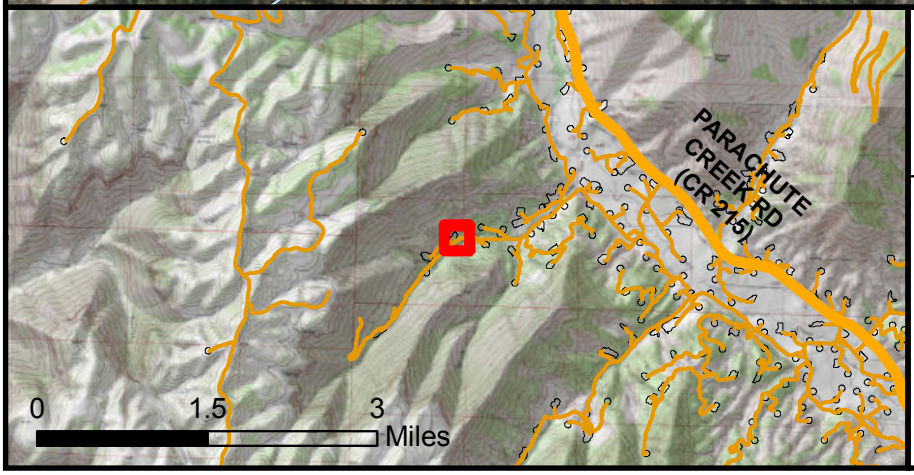
Please do not hesitate to contact me at (970) 683-2295 should you have any questions or concerns regarding this information.

Sincerely,

Karolina Blaney

Karolina Blaney
Environmental Specialist

Attachments (2)
- Sampling Location Map
- Laboratory Reports



Spill Closure Map

GV 2-31

39.482035, -108.141518
Section 32, Township 6 South, Range 96 West

- Sample Location
- Impacted Area
- Road (from Garfield County)
- Existing Road
- Stream
- Existing Pad
- River

N
W E
S

WPXENERGY

T:\Projects\PIC_MultiProspect\Ongoing\Spill_Mapping\SpillClosure_Map.mxd Atankers 8/31/2015 7:36:45 AM

		Location	GV 2-31 SS 1	GV 2-31 SS 2	GV 2-31 LF 1	BKGD 1
Contaminant of Concern ↓	COGCC standards	Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015
Organic Compounds in Soil						
TPH (DRO+GRO)	500	mg/kg	24	23	122	
DRO			24	23	85	
GRO			ND	ND	37	
Benzene	0.17	mg/kg	ND	ND	ND	
Toluene	85	mg/kg	ND	ND	ND	
Ethylbenzene	100	mg/kg	ND	ND	ND	
Xylenes (Total)	175	mg/kg	ND	ND	0.36	
Acenaphthene	1,000	mg/kg	ND	ND	ND	
Anthracene	1,000	mg/kg	ND	ND	ND	
Benzo(A)anthracene	0.22	mg/kg	ND	ND	ND	
Benzo(B)fluoranthene	0.22	mg/kg	ND	ND	ND	
Benzo(K)fluoranthene	2.2	mg/kg	ND	ND	ND	
Benzo(A)pyrene	0.022	mg/kg	ND	ND	ND	
Chrysene	22	mg/kg	ND	ND	ND	
Dibenzo(A,H)anthracene	0.022	mg/kg	ND	ND	ND	
Fluoranthene	1,000	mg/kg	ND	ND	ND	
Fluorene	1,000	mg/kg	ND	ND	0.021	
Indeno(1,2,3-cd)pyrene	0.22	mg/kg	ND	ND	ND	
Naphthalene	23	mg/kg	ND	ND	ND	
Pyrene	1,000	mg/kg	ND	ND	ND	
Inorganics in Soil						
EC	<4 or 2 x background	mmhos/cm	32	30	16	1.5
SAR	<12		48	22	8.2	0.36
pH	6-9		8.1	8.3	8	8.5

Note:

ND = Non Detect

mg/Kg = milligrams per kilogram = parts per million

Exceeds COGCC standards

14-Aug-2015

Karolina Blaney
WPX Energy Rocky Mountain, LLC
1058 Country Rd 215
Parachute, CO 81635

Re: **GV 2-31 Spill** Work Order: **1508361**

Dear Karolina,

ALS Environmental received 3 samples on 07-Aug-2015 10:00 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 21.

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

Sincerely,

Chad Whelton

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 532786

Report of Laboratory Analysis

ALS Group USA, Corp

Date: 14-Aug-15

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: **1508361**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1508361-01	GV 2-31 SS1	Soil		8/6/2015 12:20	8/7/2015 10:00	☐
1508361-02	GV 2-31 SS2	Soil		8/6/2015 12:30	8/7/2015 10:00	☐
1508361-03	GV 2-31 LF1	Soil		8/6/2015 13:00	8/7/2015 10:00	☐

ALS Group USA, Corp

Date: 14-Aug-15

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 PQL, 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
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 SS1
Lab ID: 1508361-01
Collection Date: 8/6/2015 12:20 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 8/10/15	Analyst: **IT**
DRO (C10-C28)	**24**		**4.7**	**mg/Kg-dry**	1	8/11/2015 03:25 PM
Surr: 4-Terphenyl-d14	*64.1*		*39-133*	*%REC*	1	8/11/2015 03:25 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**			Analyst: **IT**
GRO (C6-C10)	ND		2.9	mg/Kg-dry	1	8/7/2015 06:13 PM
Surr: Toluene-d8	*102*		*50-150*	*%REC*	1	8/7/2015 06:13 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Calcium	**410**		**5.0**	**mg/L**	10	8/11/2015 10:33 AM
Magnesium	**430**		**2.0**	**mg/L**	10	8/11/2015 10:33 AM
Sodium	**5,800**		**20**	**mg/L**	100	8/11/2015 11:14 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Sodium Adsorption Ratio	**48**		**0.010**	**none**	1	8/11/2015
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 8/10/15	Analyst: **RS**
Acenaphthene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Anthracene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Benzo(a)anthracene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Benzo(a)pyrene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Benzo(b)fluoranthene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Benzo(g,h,i)perylene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Benzo(k)fluoranthene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Chrysene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Fluoranthene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Fluorene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Naphthalene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Pyrene	ND		7.6	µg/Kg-dry	1	8/10/2015 06:39 PM
Surr: 2-Fluorobiphenyl	*50.3*		*12-100*	*%REC*	1	8/10/2015 06:39 PM
Surr: 4-Terphenyl-d14	*87.8*		*25-137*	*%REC*	1	8/10/2015 06:39 PM
Surr: Nitrobenzene-d5	*46.9*		*37-107*	*%REC*	1	8/10/2015 06:39 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 8/7/15	Analyst: **LSY**
Benzene	ND		34	µg/Kg-dry	1	8/8/2015 07:03 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	8/8/2015 07:03 AM
m,p-Xylene	ND		69	µg/Kg-dry	1	8/8/2015 07:03 AM
o-Xylene	ND		34	µg/Kg-dry	1	8/8/2015 07:03 AM
Toluene	ND		34	µg/Kg-dry	1	8/8/2015 07:03 AM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 SS1
Lab ID: 1508361-01
Collection Date: 8/6/2015 12:20 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Xylenes, Total	ND		100	µg/Kg-dry	1	8/8/2015 07:03 AM
Surr: 1,2-Dichloroethane-d4	*111*		*70-130*	*%REC*	1	8/8/2015 07:03 AM
Surr: 4-Bromofluorobenzene	*90.2*		*70-130*	*%REC*	1	8/8/2015 07:03 AM
Surr: Dibromofluoromethane	*108*		*70-130*	*%REC*	1	8/8/2015 07:03 AM
Surr: Toluene-d8	*98.8*		*70-130*	*%REC*	1	8/8/2015 07:03 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JB**
Electrical Conductivity @ Saturation	**32**		**0.050**	**mmhos/cm @2**	10	8/10/2015 03:00 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**13**		**0.050**	**% of sample**	1	8/7/2015 06:16 PM
PH			**SW9045D**		Prep: EXTRACT / 8/12/15	Analyst: **JB**
pH	**8.1**			**s.u.**	1	8/12/2015 01:00 PM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 SS2
Lab ID: 1508361-02
Collection Date: 8/6/2015 12:30 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 8/10/15	Analyst: **IT**
DRO (C10-C28)	**23**		**4.6**	**mg/Kg-dry**	1	8/11/2015 03:55 PM
Surr: 4-Terphenyl-d14	*59.2*		*39-133*	*%REC*	1	8/11/2015 03:55 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**			Analyst: **IT**
GRO (C6-C10)	ND		2.8	mg/Kg-dry	1	8/7/2015 06:37 PM
Surr: Toluene-d8	*105*		*50-150*	*%REC*	1	8/7/2015 06:37 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Calcium	**440**		**5.0**	**mg/L**	10	8/11/2015 10:38 AM
Magnesium	**350**		**2.0**	**mg/L**	10	8/11/2015 10:38 AM
Sodium	**3,400**		**2.0**	**mg/L**	10	8/11/2015 10:38 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Sodium Adsorption Ratio	**30**		**0.010**	**none**	1	8/11/2015
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 8/10/15	Analyst: **RS**
Acenaphthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Benzo(a)anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Benzo(a)pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Benzo(b)fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Benzo(g,h,i)perylene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Benzo(k)fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Chrysene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Dibenzo(a,h)anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Fluorene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Indeno(1,2,3-cd)pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Naphthalene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:02 PM
Surr: 2-Fluorobiphenyl	*56.7*		*12-100*	*%REC*	1	8/10/2015 07:02 PM
Surr: 4-Terphenyl-d14	*78.8*		*25-137*	*%REC*	1	8/10/2015 07:02 PM
Surr: Nitrobenzene-d5	*52.6*		*37-107*	*%REC*	1	8/10/2015 07:02 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 8/7/15	Analyst: **LSY**
Benzene	ND		34	µg/Kg-dry	1	8/8/2015 06:13 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	8/8/2015 06:13 AM
m,p-Xylene	ND		67	µg/Kg-dry	1	8/8/2015 06:13 AM
o-Xylene	ND		34	µg/Kg-dry	1	8/8/2015 06:13 AM
Toluene	ND		34	µg/Kg-dry	1	8/8/2015 06:13 AM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 SS2
Lab ID: 1508361-02
Collection Date: 8/6/2015 12:30 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Xylenes, Total	ND		100	µg/Kg-dry	1	8/8/2015 06:13 AM
Surr: 1,2-Dichloroethane-d4	*109*		*70-130*	*%REC*	1	8/8/2015 06:13 AM
Surr: 4-Bromofluorobenzene	*87.8*		*70-130*	*%REC*	1	8/8/2015 06:13 AM
Surr: Dibromofluoromethane	*109*		*70-130*	*%REC*	1	8/8/2015 06:13 AM
Surr: Toluene-d8	*98.7*		*70-130*	*%REC*	1	8/8/2015 06:13 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JB**
Electrical Conductivity @ Saturation	**22**		**0.050**	**mmhos/cm @2**	10	8/10/2015 03:00 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**10**		**0.050**	**% of sample**	1	8/7/2015 06:16 PM
PH			**SW9045D**		Prep: EXTRACT / 8/12/15	Analyst: **JB**
pH	**8.3**			**s.u.**	1	8/12/2015 01:00 PM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 LF1
Lab ID: 1508361-03
Collection Date: 8/6/2015 01:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 8/10/15	Analyst: **IT**
DRO (C10-C28)	**85**		**4.6**	**mg/Kg-dry**	1	8/11/2015 04:22 PM
Surr: 4-Terphenyl-d14	*61.5*		*39-133*	*%REC*	1	8/11/2015 04:22 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**			Analyst: **IT**
GRO (C6-C10)	**37**		**2.8**	**mg/Kg-dry**	1	8/7/2015 07:01 PM
Surr: Toluene-d8	*99.5*		*50-150*	*%REC*	1	8/7/2015 07:01 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Calcium	**510**		**5.0**	**mg/L**	10	8/10/2015 01:53 PM
Magnesium	**240**		**2.0**	**mg/L**	10	8/10/2015 01:53 PM
Sodium	**2,300**		**2.0**	**mg/L**	10	8/10/2015 01:53 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Sodium Adsorption Ratio	**21**		**0.010**	**none**	1	8/10/2015
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 8/10/15	Analyst: **RS**
Acenaphthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Benzo(a)anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Benzo(a)pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Benzo(b)fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Benzo(g,h,i)perylene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Benzo(k)fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Chrysene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Dibenzo(a,h)anthracene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Fluoranthene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Fluorene	**21**		**7.4**	**µg/Kg-dry**	1	8/10/2015 07:25 PM
Indeno(1,2,3-cd)pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Naphthalene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Pyrene	ND		7.4	µg/Kg-dry	1	8/10/2015 07:25 PM
Surr: 2-Fluorobiphenyl	*59.6*		*12-100*	*%REC*	1	8/10/2015 07:25 PM
Surr: 4-Terphenyl-d14	*75.3*		*25-137*	*%REC*	1	8/10/2015 07:25 PM
Surr: Nitrobenzene-d5	*53.1*		*37-107*	*%REC*	1	8/10/2015 07:25 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 8/7/15	Analyst: **LSY**
Benzene	ND		34	µg/Kg-dry	1	8/8/2015 06:38 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	8/8/2015 06:38 AM
m,p-Xylene	**210**		**67**	**µg/Kg-dry**	1	8/8/2015 06:38 AM
o-Xylene	**160**		**34**	**µg/Kg-dry**	1	8/8/2015 06:38 AM
Toluene	ND		34	µg/Kg-dry	1	8/8/2015 06:38 AM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508361
Sample ID: GV 2-31 LF1
Lab ID: 1508361-03
Collection Date: 8/6/2015 01:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Xylenes, Total	**360**		**100**	**µg/Kg-dry**	1	8/8/2015 06:38 AM
Surr: 1,2-Dichloroethane-d4	*112*		*70-130*	*%REC*	1	8/8/2015 06:38 AM
Surr: 4-Bromofluorobenzene	*103*		*70-130*	*%REC*	1	8/8/2015 06:38 AM
Surr: Dibromofluoromethane	*107*		*70-130*	*%REC*	1	8/8/2015 06:38 AM
Surr: Toluene-d8	*96.3*		*70-130*	*%REC*	1	8/8/2015 06:38 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JB**
Electrical Conductivity @ Saturation	**16**		**0.050**	**mmhos/cm @2**	10	8/10/2015 03:00 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**11**		**0.050**	**% of sample**	1	8/7/2015 06:16 PM
PH			**SW9045D**		Prep: EXTRACT / 8/12/15	Analyst: **JB**
pH	**8.2**			**s.u.**	1	8/12/2015 01:00 PM

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

QC BATCH REPORT

Batch ID: **74598** Instrument ID **GC8** Method: **SW8015M**

MBLK	Sample ID: **DBLKS1-74598-74598**			Units: **mg/Kg**			Analysis Date: **8/10/2015 07:36 PM**			
Client ID:	Run ID: **GC8_150810B**			SeqNo: **3411361**			Prep Date: **8/10/2015**		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	*1.476*	0	*2*	0	*73.8*	*39-133*	0			

LCS	Sample ID: **DLCSS1-74598-74598**			Units: **mg/Kg**			Analysis Date: **8/10/2015 08:06 PM**			
Client ID:	Run ID: **GC8_150810B**			SeqNo: **3411365**			Prep Date: **8/10/2015**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	137.7	5.0	200	0	68.9	61-109	0			
Surr: 4-Terphenyl-d14	*1.442*	0	*2*	0	*72.1*	*39-133*	0			

MS	Sample ID: **1508383-05C MS**			Units: **mg/Kg**			Analysis Date: **8/10/2015 08:37 PM**			
Client ID:	Run ID: **GC8_150810B**			SeqNo: **3411368**			Prep Date: **8/10/2015**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	338.3	11	435.2	6.904	76.1	48-110	0			
Surr: 4-Terphenyl-d14	*3.828*	0	*4.352*	0	*88*	*39-133*	0			

MSD	Sample ID: **1508383-05C MSD**			Units: **mg/Kg**			Analysis Date: **8/10/2015 09:07 PM**			
Client ID:	Run ID: **GC8_150810B**			SeqNo: **3411370**			Prep Date: **8/10/2015**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	318.5	11	429.6	6.904	72.5	48-110	338.3	6.05	30	
Surr: 4-Terphenyl-d14	*3.651*	0	*4.296*	0	*85*	*39-133*	3.828	*4.75*	*30*	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74547a** Instrument ID **GC10** Method: **SW8015D**

MBLK Sample ID: **MBLK-74547-74547a** Units: **µg/Kg** Analysis Date: **8/7/2015 01:43 PM**
Client ID: Run ID: **GC10_150807B** SeqNo: **3408701** Prep Date: **8/7/2015** 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	*5035*	0	*5000*	0	*101*	*50-150*	0			

LCS Sample ID: **LCS-74547-74547a** Units: **µg/Kg** Analysis Date: **8/7/2015 01:18 PM**
Client ID: Run ID: **GC10_150807B** SeqNo: **3408700** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	547700	2,500	500000	0	110	70-130	0			
Surr: Toluene-d8	*4950*	0	*5000*	0	*99*	*50-150*	0			

MS Sample ID: **1508198-01A MS** Units: **µg/Kg** Analysis Date: **8/7/2015 03:47 PM**
Client ID: Run ID: **GC10_150807B** SeqNo: **3408703** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	544100	2,500	500000	0	109	70-130	0			
Surr: Toluene-d8	*4829*	0	*5000*	0	*96.6*	*50-150*	0			

MSD Sample ID: **1508198-01A MSD** Units: **µg/Kg** Analysis Date: **8/7/2015 04:11 PM**
Client ID: Run ID: **GC10_150807B** SeqNo: **3408704** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	550900	2,500	500000	0	110	70-130	544100	1.24	30	
Surr: Toluene-d8	*4987*	0	*5000*	0	*99.7*	*50-150*	4829	*3.22*	*30*	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74586** Instrument ID **ICP2** Method: **SW846 6010C**

DUP Sample ID: **1508361-03BDUP** Units: **mg/L** Analysis Date: **8/10/2015 01:59 PM**
Client ID: **GV 2-31 LF1** Run ID: **ICP2_150810A** SeqNo: **3410199** Prep Date: **8/10/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	505.6	5.0	0	0	0	0-0	507.4	0.362		
Magnesium	226.2	2.0	0	0	0	0-0	242.6	6.97		
Sodium	2140	2.0	0	0	0	0-0	2302	7.31		

DUP Sample ID: **1508361-03BDUP** Units: **none** Analysis Date: **8/10/2015**
Client ID: **GV 2-31 LF1** Run ID: **SAR_150810A** SeqNo: **3410269** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	19.88	0.010	0	0	0		21.04	5.7	50	

The following samples were analyzed in this batch: 1508361-01B 1508361-02B 1508361-03B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74597** Instrument ID **SVMS5** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-74597-74597** Units: **µg/Kg** Analysis Date: **8/10/2015 04:43 PM**
Client ID: Run ID: **SVMS5_150810A** SeqNo: **3410916** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(g,h,i)perylene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
Surr: 2-Fluorobiphenyl	*1325*	0	*1667*	0	*79.5*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1580*	0	*1667*	0	*94.8*	*25-137*	0			
Surr: Nitrobenzene-d5	*1389*	0	*1667*	0	*83.4*	*37-107*	0			

LCS Sample ID: **SLCSS1-74597-74597** Units: **µg/Kg** Analysis Date: **8/10/2015 05:05 PM**
Client ID: Run ID: **SVMS5_150810A** SeqNo: **3410917** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	548.3	6.7	666.7	0	82.2	45-110	0			
Anthracene	625.3	6.7	666.7	0	93.8	55-105	0			
Benzo(a)anthracene	639.7	6.7	666.7	0	95.9	50-110	0			
Benzo(a)pyrene	657.3	6.7	666.7	0	98.6	50-110	0			
Benzo(b)fluoranthene	662	6.7	666.7	0	99.3	45-115	0			
Benzo(g,h,i)perylene	646	6.7	666.7	0	96.9	40-125	0			
Benzo(k)fluoranthene	655.7	6.7	666.7	0	98.3	45-115	0			
Chrysene	621	6.7	666.7	0	93.1	55-110	0			
Dibenzo(a,h)anthracene	688	6.7	666.7	0	103	40-125	0			
Fluoranthene	652.7	6.7	666.7	0	97.9	55-115	0			
Fluorene	591	6.7	666.7	0	88.6	50-110	0			
Indeno(1,2,3-cd)pyrene	672	6.7	666.7	0	101	40-120	0			
Naphthalene	521	6.7	666.7	0	78.1	40-105	0			
Pyrene	654.3	6.7	666.7	0	98.1	45-125	0			
Surr: 2-Fluorobiphenyl	*1284*	0	*1667*	0	*77*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1524*	0	*1667*	0	*91.4*	*25-137*	0			
Surr: Nitrobenzene-d5	*1378*	0	*1667*	0	*82.7*	*37-107*	0			

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74597** Instrument ID **SVMS5** Method: **SW846 8270D**

MS Sample ID: **1508383-05C MS** Units: **µg/Kg** Analysis Date: **8/10/2015 05:28 PM**
Client ID: Run ID: **SVMS5_150810A** SeqNo: **3412571** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1480	18	1844	0	80.2	45-110	0			
Anthracene	1754	18	1844	0	95.1	55-105	0			
Benzo(a)anthracene	1769	18	1844	4.247	95.7	50-110	0			
Benzo(a)pyrene	1799	18	1844	14.7	96.7	50-110	0			
Benzo(b)fluoranthene	1861	18	1844	13.39	100	45-115	0			
Benzo(g,h,i)perylene	1767	18	1844	13.72	95.1	40-125	0			
Benzo(k)fluoranthene	1827	18	1844	5.553	98.8	45-115	0			
Chrysene	1718	18	1844	6.86	92.8	55-110	0			
Dibenzo(a,h)anthracene	1876	18	1844	0	102	40-125	0			
Fluoranthene	1815	18	1844	14.05	97.7	55-115	0			
Fluorene	1639	18	1844	0	88.9	50-110	0			
Indeno(1,2,3-cd)pyrene	1892	18	1844	36.26	101	40-120	0			
Naphthalene	1231	18	1844	0	66.7	40-105	0			
Pyrene	1850	18	1844	14.7	99.5	45-125	0			
Surr: 2-Fluorobiphenyl	*3288*	0	*4610*	0	*71.3*	*12-100*	0			
Surr: 4-Terphenyl-d14	*4301*	0	*4610*	0	*93.3*	*25-137*	0			
Surr: Nitrobenzene-d5	*3194*	0	*4610*	0	*69.3*	*37-107*	0			

MSD Sample ID: **1508383-05C MSD** Units: **µg/Kg** Analysis Date: **8/10/2015 05:52 PM**
Client ID: Run ID: **SVMS5_150810A** SeqNo: **3412572** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1671	20	1969	0	84.8	45-110	1480	12.1	30	
Anthracene	1880	20	1969	0	95.5	55-105	1754	6.94	30	
Benzo(a)anthracene	1886	20	1969	4.247	95.6	50-110	1769	6.41	30	
Benzo(a)pyrene	1934	20	1969	14.7	97.4	50-110	1799	7.23	30	
Benzo(b)fluoranthene	1975	20	1969	13.39	99.6	45-115	1861	5.92	30	
Benzo(g,h,i)perylene	1921	20	1969	13.72	96.8	40-125	1767	8.33	30	
Benzo(k)fluoranthene	1949	20	1969	5.553	98.7	45-115	1827	6.47	30	
Chrysene	1852	20	1969	6.86	93.7	55-110	1718	7.48	30	
Dibenzo(a,h)anthracene	2003	20	1969	0	102	40-125	1876	6.52	30	
Fluoranthene	1963	20	1969	14.05	99	55-115	1815	7.83	30	
Fluorene	1773	20	1969	0	90	50-110	1639	7.85	30	
Indeno(1,2,3-cd)pyrene	2043	20	1969	36.26	102	40-120	1892	7.68	30	
Naphthalene	1561	20	1969	0	79.2	40-105	1231	23.6	30	
Pyrene	2003	20	1969	14.7	101	45-125	1850	7.9	30	
Surr: 2-Fluorobiphenyl	*3780*	0	*4923*	0	*76.8*	*12-100*	3288	*13.9*	*40*	
Surr: 4-Terphenyl-d14	*4557*	0	*4923*	0	*92.6*	*25-137*	4301	*5.8*	*40*	
Surr: Nitrobenzene-d5	*4063*	0	*4923*	0	*82.5*	*37-107*	3194	*23.9*	*40*	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74561** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-74561-74561** Units: **µg/Kg** Analysis Date: **8/7/2015 04:18 PM**
Client ID: Run ID: **VMS6_150807A** SeqNo: **3409737** Prep Date: **8/7/2015** 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	*1020*	0	*1000*	0	*102*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*965.5*	0	*1000*	0	*96.6*	*70-130*	0			
Surr: Dibromofluoromethane	*1038*	0	*1000*	0	*104*	*70-130*	0			
Surr: Toluene-d8	*989.5*	0	*1000*	0	*99*	*70-130*	0			

LCS Sample ID: **LCS-74561-74561** Units: **µg/Kg** Analysis Date: **8/7/2015 02:43 PM**
Client ID: Run ID: **VMS6_150807A** SeqNo: **3409735** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1008	30	1000	0	101	75-125	0			
Ethylbenzene	971.5	30	1000	0	97.2	75-125	0			
m,p-Xylene	1946	60	2000	0	97.3	80-125	0			
o-Xylene	931	30	1000	0	93.1	75-125	0			
Toluene	974	30	1000	0	97.4	70-125	0			
Xylenes, Total	2876	90	3000	0	95.9	75-125	0			
Surr: 1,2-Dichloroethane-d4	*994.5*	0	*1000*	0	*99.4*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*981.5*	0	*1000*	0	*98.2*	*70-130*	0			
Surr: Dibromofluoromethane	*994.5*	0	*1000*	0	*99.4*	*70-130*	0			
Surr: Toluene-d8	*971*	0	*1000*	0	*97.1*	*70-130*	0			

MS Sample ID: **1508361-02A MS** Units: **µg/Kg** Analysis Date: **8/8/2015 09:11 AM**
Client ID: **GV 2-31 SS2** Run ID: **VMS9_150807B** SeqNo: **3409550** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1078	30	1000	0	108	75-125	0			
Ethylbenzene	999	30	1000	0	99.9	75-125	0			
m,p-Xylene	1886	60	2000	0	94.3	80-125	0			
o-Xylene	904.5	30	1000	0	90.4	75-125	0			
Toluene	1045	30	1000	0	104	70-125	0			
Xylenes, Total	2791	90	3000	0	93	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1086*	0	*1000*	0	*109*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1070*	0	*1000*	0	*107*	*70-130*	0			
Surr: Dibromofluoromethane	*1057*	0	*1000*	0	*106*	*70-130*	0			
Surr: Toluene-d8	*993*	0	*1000*	0	*99.3*	*70-130*	0			

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74561** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **1508361-02A MSD** Units: **µg/Kg** Analysis Date: **8/8/2015 09:36 AM**
Client ID: **GV 2-31 SS2** Run ID: **VMS9_150807B** SeqNo: **3409551** Prep Date: **8/7/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1096	30	1000	0	110	75-125	1078	1.61	30	
Ethylbenzene	1066	30	1000	0	107	75-125	999	6.49	30	
m,p-Xylene	2008	60	2000	0	100	80-125	1886	6.24	30	
o-Xylene	945	30	1000	0	94.5	75-125	904.5	4.38	30	
Toluene	1102	30	1000	0	110	70-125	1045	5.26	30	
Xylenes, Total	2953	90	3000	0	98.4	75-125	2791	5.64	30	
Surr: 1,2-Dichloroethane-d4	*1052*	0	*1000*	0	*105*	*70-130*	1086	*3.13*	*30*	
Surr: 4-Bromofluorobenzene	*1084*	0	*1000*	0	*108*	*70-130*	1070	*1.21*	*30*	
Surr: Dibromofluoromethane	*1020*	0	*1000*	0	*102*	*70-130*	1057	*3.61*	*30*	
Surr: Toluene-d8	*1003*	0	*1000*	0	*100*	*70-130*	993	*1*	*30*	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74586** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **1508361-03B DUP** Units: **mmhos/cm @25°** Analysis Date: **8/10/2015 03:00 PM**
Client ID: **GV 2-31 LF1** Run ID: **WETCHEM_150810E** SeqNo: **3410508** Prep Date: **8/10/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	15.27	0.050	0	0	0		16.22	6.03	50	

The following samples were analyzed in this batch: 1508361-01B 1508361-02B 1508361-03B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74708** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-74708-74708** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: Run ID: **WETCHEM_150812H** SeqNo: **3414137** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.95	0	4	0	98.8	90-110	0			

DUP Sample ID: **1508361-01A DUP** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: **GV 2-31 SS1** Run ID: **WETCHEM_150812H** SeqNo: **3414139** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.25	0	0	0	0	0-0	8.13	1.47	20	

DUP Sample ID: **1508443-05A DUP** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: Run ID: **WETCHEM_150812H** SeqNo: **3414147** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.13	0	0	0	0	0-0	8.19	0.735	20	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508361
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **R169302** Instrument ID **MOIST** Method: **E160.3M**

MBLK Sample ID: **WBLKS-R169302** Units: **% of sample** Analysis Date: **8/7/2015 06:16 PM**
Client ID: Run ID: **MOIST_150807B** SeqNo: **3409784** 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-R169302** Units: **% of sample** Analysis Date: **8/7/2015 06:16 PM**
Client ID: Run ID: **MOIST_150807B** SeqNo: **3409783** 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: **1508153-02B DUP** Units: **% of sample** Analysis Date: **8/7/2015 06:16 PM**
Client ID: Run ID: **MOIST_150807B** SeqNo: **3409762** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.65	0.050	0	0	0		11.58	16.4	20	

DUP Sample ID: **1508366-02A DUP** Units: **% of sample** Analysis Date: **8/7/2015 06:16 PM**
Client ID: Run ID: **MOIST_150807B** SeqNo: **3409780** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.28	0.050	0	0	0		17.58	3.9	20	

The following samples were analyzed in this batch: 1508361-01A 1508361-02A 1508361-03A

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

ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r8

WORKORDER # 1508361

PAGE 1 of 1

DISPOSAL By Lab or Return to Client

PROJECT NAME	GV 2-31 Spill	SAMPLER	Jessica Dilka
PROJECT No.		SITE ID	GV 2-31 Spill
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	WPX Energy	BILL TO COMPANY	WPX Energy
SEND REPORT TO	Karolina Blaney	INVOICE ATTN TO	Karolina Blaney; Leo Braun
ADDRESS		ADDRESS	1058 Co Rd 215
CITY / STATE / ZIP		CITY / STATE / ZIP	Parachute CO 81635
PHONE		PHONE	970-683-2295
FAX		FAX	
E-MAIL	Karolina.blaney@wpxenergy.com tdobransky@olssonassociates.com	E-MAIL	Karolina.blaney@wpxenergy.com; leo.braun@wpxenergy.com

DATE 8/6/15

TURNAROUND 5 Day

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DRO + GRO	BTEX	PAHs	EC, SAR, pH
1	GV 2-31 SS1	S	8/6/15	1220	2	8	x	x	X	X	X
2	GV 2-31 SS2	S	8/6/15	1230	2	8	x	X	X	X	X
3	GV 2-31 LF1	S	8/6/15	1300	2	8	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: 2.4°C

Please send copy data to tdobransky@olssonassociates.com

Table 910-1 list for anions and PAH's

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

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		Jessica Dilka	8/6/15	1340
RECEIVED BY			8-6-15	1340
RELINQUISHED BY			8-6-15	1400
RECEIVED BY		Keith Wiegner	8/7/15	1000
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **WPX** Date/Time Received: **07-Aug-15 10:00**

Work Order: **1508361** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 07-Aug-15 (Date) Reviewed by: Chad Whelton (eSignature) 07-Aug-15 (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):	2.4/2.4 C	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	8/7/2015 12:04:56 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:

14-Aug-2015

Karolina Blaney
WPX Energy Rocky Mountain, LLC
1058 Country Rd 215
Parachute, CO 81635

Re: **GV 2-31 Spill** Work Order: **1508363**

Dear Karolina,

ALS Environmental received 3 samples on 07-Aug-2015 10:00 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 13.

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

Sincerely,

Chad Whelton

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 532786

Report of Laboratory Analysis

ALS Group USA, Corp

Date: 14-Aug-15

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: **1508363**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1508363-01	GV 2-31 - B-1	Soil		8/6/2015 12:10	8/7/2015 10:00	☐
1508363-02	GV 2-31 - B-2	Soil		8/6/2015 12:15	8/7/2015 10:00	☐
1508363-03	GV 2-31 - B-3	Soil		8/6/2015 13:05	8/7/2015 10:00	☐

ALS Group USA, Corp

Date: 14-Aug-15

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 PQL, 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/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508363
Sample ID: GV 2-31 - B-1
Lab ID: 1508363-01
Collection Date: 8/6/2015 12:10 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 8/10/15	Analyst: **JEC**
Arsenic	**12**		**0.43**	**mg/L-dry**	1	8/12/2015 04:06 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Calcium	**210**		**5.0**	**mg/L**	10	8/11/2015 10:44 AM
Magnesium	**36**		**2.0**	**mg/L**	10	8/11/2015 10:44 AM
Sodium	**21**		**2.0**	**mg/L**	10	8/11/2015 10:44 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JEC**
Sodium Adsorption Ratio	**0.36**		**0.010**	**none**	1	8/11/2015
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 8/10/15	Analyst: **JB**
Electrical Conductivity @ Saturation	**1.5**		**0.050**	**mmhos/cm @2**	10	8/10/2015 03:00 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**5.3**		**0.050**	**% of sample**	1	8/12/2015 01:50 PM
PH			**SW9045D**		Prep: EXTRACT / 8/12/15	Analyst: **JB**
pH	**8.5**			**s.u.**	1	8/12/2015 01:00 PM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508363
Sample ID: GV 2-31 - B-2
Lab ID: 1508363-02
Collection Date: 8/6/2015 12:15 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 8/10/15	Analyst: **JEC**
Arsenic	**13**		**0.43**	**mg/L-dry**	1	8/12/2015 04:12 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**11**		**0.050**	**% of sample**	1	8/12/2015 01:50 PM

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

ALS Group USA, Corp

Date: *14-Aug-15*

Client: WPX Energy Rocky Mountain, LLC
Project: GV 2-31 Spill
Work Order: 1508363
Sample ID: GV 2-31 - B-3
Lab ID: 1508363-03
Collection Date: 8/6/2015 01:05 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 8/10/15	Analyst: **JEC**
Arsenic	**13**		**0.46**	**mg/L-dry**	1	8/12/2015 04:18 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**10**		**0.050**	**% of sample**	1	8/12/2015 01:50 PM

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

QC BATCH REPORT

Batch ID: **74586** Instrument ID **ICP2** Method: **SW846 6010C**

DUP Sample ID: **1508361-03BDUP** Units: **mg/L** Analysis Date: **8/10/2015 01:59 PM**

Client ID: Run ID: **ICP2_150810A** SeqNo: **3410199** Prep Date: **8/10/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	505.6	5.0	0	0	0	0-0	507.4	0.362		
Magnesium	226.2	2.0	0	0	0	0-0	242.6	6.97		
Sodium	2140	2.0	0	0	0	0-0	2302	7.31		

DUP Sample ID: **1508361-03BDUP** Units: **none** Analysis Date: **8/10/2015**

Client ID: Run ID: **SAR_150810A** SeqNo: **3410269** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	19.88	0.010	0	0	0		21.04	5.7	50	

The following samples were analyzed in this batch: 1508363-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508363
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74606** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK Sample ID: **MBLK-74606-74606** Units: **mg/Kg** Analysis Date: **8/10/2015 02:05 PM**
Client ID: Run ID: **ICP2_150810A** SeqNo: **3410200** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								

LCS Sample ID: **LCS-74606-74606** Units: **mg/Kg** Analysis Date: **8/10/2015 02:11 PM**
Client ID: Run ID: **ICP2_150810A** SeqNo: **3410201** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.244	0.25	5	0	105	80-120	0			

MS Sample ID: **1508443-04AMS** Units: **mg/Kg** Analysis Date: **8/10/2015 02:28 PM**
Client ID: Run ID: **ICP2_150810A** SeqNo: **3410204** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	20.3	0.41	8.251	10.46	119	75-125	0			

MSD Sample ID: **1508443-04AMSD** Units: **mg/Kg** Analysis Date: **8/10/2015 02:33 PM**
Client ID: Run ID: **ICP2_150810A** SeqNo: **3410205** Prep Date: **8/10/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	20.04	0.41	8.251	10.46	116	75-125	20.3	1.28	20	

The following samples were analyzed in this batch: 1508363-01A 1508363-02A 1508363-03A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508363
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74586** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **1508361-03B DUP** Units: **mmhos/cm @25°** Analysis Date: **8/10/2015 03:00 PM**

Client ID: Run ID: **WETCHEM_150810E** SeqNo: **3410508** Prep Date: **8/10/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	15.27	0.050	0	0	0		16.22	6.03	50	

The following samples were analyzed in this batch: 1508363-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508363
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **74708** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-74708-74708** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: Run ID: **WETCHEM_150812H** SeqNo: **3414137** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.95	0	4	0	98.8	90-110	0			

DUP Sample ID: **1508361-01A DUP** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: Run ID: **WETCHEM_150812H** SeqNo: **3414139** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.25	0	0	0	0	0-0	8.13	1.47	20	

DUP Sample ID: **1508443-05A DUP** Units: **s.u.** Analysis Date: **8/12/2015 01:00 PM**
Client ID: Run ID: **WETCHEM_150812H** SeqNo: **3414147** Prep Date: **8/12/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.13	0	0	0	0	0-0	8.19	0.735	20	

The following samples were analyzed in this batch: 1508363-01A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1508363
Project: GV 2-31 Spill

QC BATCH REPORT

Batch ID: **R169565** Instrument ID **MOIST** Method: **E160.3M**

MBLK Sample ID: **WBLKS-R169565** Units: **% of sample** Analysis Date: **8/12/2015 01:50 PM**
Client ID: Run ID: **MOIST_150812A** SeqNo: **3415572** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	0.03	0.050								J

LCS Sample ID: **LCS-R169565** Units: **% of sample** Analysis Date: **8/12/2015 01:50 PM**
Client ID: Run ID: **MOIST_150812A** SeqNo: **3415571** 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: **1508376-01A DUP** Units: **% of sample** Analysis Date: **8/12/2015 01:50 PM**
Client ID: Run ID: **MOIST_150812A** SeqNo: **3415555** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.44	0.050	0	0	0		13.12	5.32	20	

DUP Sample ID: **1508376-11A DUP** Units: **% of sample** Analysis Date: **8/12/2015 01:50 PM**
Client ID: Run ID: **MOIST_150812A** SeqNo: **3415569** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.1	0.050	0	0	0		12	0.83	20	

The following samples were analyzed in this batch: 1508363-01A 1508363-02A 1508363-03A

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

ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r8

WORKORDER # 1508363

PAGE 1 of 1

DISPOSAL By Lab or Return to Client

PROJECT NAME	GV 2-31 Spill	SAMPLER	Jessica Dilka
PROJECT No.		SITE ID	GV 2-31 Spill
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	WPX Energy	BILL TO COMPANY	WPX Energy
SEND REPORT TO	Karolina Blaney	INVOICE ATTN TO	Karolina Blaney; Leo Braun
ADDRESS		ADDRESS	1058 Co Rd 215
CITY / STATE / ZIP		CITY / STATE / ZIP	Parachute CO 81635
PHONE		PHONE	970-683-2295
FAX		FAX	
E-MAIL	Karolina.blaney@wpxenergy.com tdobransky@olssonassociates.com	E-MAIL	Karolina.blaney@wpxenergy.com; leo.braun@wpxenergy.com

DATE 8/6/15

TURNAROUND 5 Day

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Arsenic Only	EC, SAR, pH
1	GV 2-31-B-1	S	8/6/15	1210	2	8	x	x	X
2	GV 2-31-B-2	S	8/6/15	1215	1	8	X	X	
3	GV 2-31-B-3	S	8/6/15	1305	1	8	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: 2.4°c

Please send copy data to tdobransky@olssonassociates.com

Table 910-1 list for anions and PAH's

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

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		Jessica Dilka	8/6/15	1340
RECEIVED BY			8-6-15	1340
RELINQUISHED BY			8-6-15	1400
RECEIVED BY		Keith Wiegand	8/7/15	1000
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **WPX** Date/Time Received: **07-Aug-15 10:00**

Work Order: **1508363** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 07-Aug-15 (Date) Reviewed by: Chad Whelton (eSignature) 07-Aug-15 (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):	2.4/2.4 C	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	8/7/2015 12:07:50 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: