

WPXENERGY Sample Location Map

Parachute Centralized
E&P WM Facility

39.473323 -108.065146
Section 36, Township 6 South, Range 96 West

<ul style="list-style-type: none"> Sample Location Impacted Area 	Transportation <ul style="list-style-type: none"> CO Highways County Roads Local Streets WPX Access 	Hydrography <ul style="list-style-type: none"> Ditch Intermittent Stream Perennial Stream Waterbody Watershed
--	--	---



Author: B. Hall

Revision: 0

Date: 11/4/2014

Analytical Results

Contaminant of Concern ↓	COGCC standards	Location →	Confirmation 01	Confirmation 02	Confirmation 03	BKGD 1	BKGD 2	BKGD 3
		Date Sampled	10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014	10/17/2014
Organic Compounds in Soil								
TPH	500	mg/kg	ND	ND	33			
DRO		mg/kg	ND	ND	33			
GRO		mg/kg	ND	ND	ND			
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	ND			
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	ND			
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	45	30	17			1
SAR	<12		43	60	17			0.62
pH	6-9		8.2	8.4	8.1			8.5
Metals in Soil								
Arsenic	0.39	mg/kg	11	11	13	21	24	9.7
Barium total	15,000	mg/kg	340	470	1500			
Cadmium	70	mg/kg	ND	ND	ND			
Chromium (III)	120,000	mg/kg	13	14	12			
Chromium (VI)	23	mg/kg	ND	ND	ND			
Copper	3,100	mg/kg	13	15	18			
Lead	400	mg/kg	17	16	22			
Mercury	23	mg/kg	0.024	0.038	0.35			
Nickel	1,600	mg/kg	11	13	13			
Selenium	390	mg/kg	0.78	0.87	0.78			
Silver	390	mg/kg	ND	ND	ND			
Zinc	23,000	mg/kg	50	59	69			



28-Oct-2014

Mark Mumby
HRL Compliance Solutions, Inc
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **WPX WM Facility Release Confirmation 10.17.14**

Work Order: **14101133**

Dear Mark,

ALS Environmental received 3 samples on 18-Oct-2014 11:00 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 29.

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

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: MN 532786

Report of Laboratory Analysis

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

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Release Confirmation 10.17.14
Work Order: 14101133

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>
14101133-01	Confirmation 01	Soil		10/17/2014 10:15	10/18/2014 11:00	<input type="checkbox"/>
14101133-02	Confirmation 02	Soil		10/17/2014 10:19	10/18/2014 11:00	<input type="checkbox"/>
14101133-03	Confirmation 03	Soil		10/17/2014 10:23	10/18/2014 11:00	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Release Confirmation 10.17.14
Work Order: 14101133

Case Narrative

Batch 64148 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 64158 sample 14101133-01 MS/MSD recoveries for Hexavalent Chromium were below control limits. The corresponding result in the parent sample may be biased low for Hexavalent Chromium.

Batch R150976 duplicate data for % Moisture is not related to this project's samples. No data requires qualification.

<u>Qualifier</u>	<u>Description</u>
*	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

<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
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: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Project: WPX WM Facility Release Confirmation 10.17.14

Work Order: 14101133

Sample ID: Confirmation 01

Lab ID: 14101133-01

Collection Date: 10/17/2014 10:15 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep: SW3541 / 10/21/14	Analyst: IT
DRO (C10-C28)	ND		4.7	mg/Kg-dry	1	10/21/2014 08:24 PM
Surr: 4-Terphenyl-d14	60.8		39-133	%REC	1	10/21/2014 08:24 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015		Prep: SW5035 / 10/20/14	Analyst: IT
GRO (C6-C10)	ND		2.9	mg/Kg-dry	1	10/20/2014 04:27 PM
Surr: Toluene-d8	101		50-150	%REC	1	10/20/2014 04:27 PM
MERCURY BY CVAA						
			SW7471		Prep: SW7471 / 10/20/14	Analyst: LR
Mercury	0.024		0.016	mg/Kg-dry	1	10/20/2014 09:35 PM
METALS ANALYSIS BY ICP						
			SW846 6010C		Prep: SW3050B / 10/21/14	Analyst: JEC
Arsenic	11		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Barium	340		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Cadmium	ND		0.35	mg/Kg-dry	1	10/21/2014 12:47 PM
Chromium	13		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Copper	13		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Lead	17		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Nickel	11		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Selenium	0.78		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Silver	ND		0.44	mg/Kg-dry	1	10/21/2014 12:47 PM
Zinc	50		0.89	mg/Kg-dry	1	10/21/2014 12:47 PM
SOLUBLE CATIONS FOR SAR						
			SW846 6010C		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
Calcium	1,400		5.0	mg/L	10	10/22/2014 01:07 PM
Magnesium	320		2.0	mg/L	10	10/22/2014 01:07 PM
Sodium	6,900		20	mg/L	100	10/22/2014 01:52 PM
SODIUM ADSORPTION RATIO						
			USDA H60 METHOD		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
Sodium Adsorption Ratio	43		0.010	none	1	10/22/2014
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW846 8270D		Prep: SW3541 / 10/22/14	Analyst: JG
Acenaphthene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Acenaphthylene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Anthracene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Benzo(a)anthracene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Benzo(a)pyrene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Benzo(b)fluoranthene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Benzo(g,h,i)perylene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Benzo(k)fluoranthene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Chrysene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Project: WPX WM Facility Release Confirmation 10.17.14

Work Order: 14101133

Sample ID: Confirmation 01

Lab ID: 14101133-01

Collection Date: 10/17/2014 10:15 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Fluoranthene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Fluorene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Naphthalene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Pyrene	ND		7.6	µg/Kg-dry	1	10/23/2014 08:23 AM
Surr: 2-Fluorobiphenyl	55.9		12-100	%REC	1	10/23/2014 08:23 AM
Surr: 4-Terphenyl-d14	81.3		25-137	%REC	1	10/23/2014 08:23 AM
Surr: Nitrobenzene-d5	65.1		37-107	%REC	1	10/23/2014 08:23 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: SW5035 / 10/20/14 Analyst: BG		
Benzene	ND		35	µg/Kg-dry	1	10/28/2014 12:32 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	10/28/2014 12:32 PM
m,p-Xylene	ND		69	µg/Kg-dry	1	10/28/2014 12:32 PM
o-Xylene	ND		35	µg/Kg-dry	1	10/28/2014 12:32 PM
Toluene	ND		35	µg/Kg-dry	1	10/28/2014 12:32 PM
Xylenes, Total	ND		100	µg/Kg-dry	1	10/28/2014 12:32 PM
Surr: 1,2-Dichloroethane-d4	93.0		70-130	%REC	1	10/28/2014 12:32 PM
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	10/28/2014 12:32 PM
Surr: Dibromofluoromethane	98.6		70-130	%REC	1	10/28/2014 12:32 PM
Surr: Toluene-d8	98.4		70-130	%REC	1	10/28/2014 12:32 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 10/22/14 Analyst: JB		
Electrical Conductivity @ Saturation	45		0.050	mmhos/cm @25	10	10/23/2014 12:45 PM
CHROMIUM, TRIVALENT			CALCULATION	Analyst: JJG		
Chromium, Trivalent	13		0.58	mg/Kg-dry	1	10/27/2014 04:32 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 10/20/14 Analyst: MB		
Chromium, Hexavalent	ND		0.58	mg/Kg-dry	1	10/22/2014 10:00 AM
MOISTURE			A2540 G	Analyst: RLM		
Moisture	13		0.050	% of sample	1	10/22/2014 12:48 PM
PH			SW9045D	Prep: EXTRACT / 10/20/14 Analyst: STP		
pH	8.2			s.u.	1	10/20/2014 12:50 PM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Project: WPX WM Facility Release Confirmation 10.17.14

Work Order: 14101133

Sample ID: Confirmation 02

Lab ID: 14101133-02

Collection Date: 10/17/2014 10:19 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep: SW3541 / 10/21/14	Analyst: IT
DRO (C10-C28)	ND		4.8	mg/Kg-dry	1	10/21/2014 08:49 PM
Surr: 4-Terphenyl-d14	57.9		39-133	%REC	1	10/21/2014 08:49 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015		Prep: SW5035 / 10/20/14	Analyst: IT
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	10/20/2014 06:02 PM
Surr: Toluene-d8	125		50-150	%REC	1	10/20/2014 06:02 PM
MERCURY BY CVAA						
			SW7471		Prep: SW7471 / 10/20/14	Analyst: LR
Mercury	0.038		0.017	mg/Kg-dry	1	10/20/2014 09:41 PM
METALS ANALYSIS BY ICP						
			SW846 6010C		Prep: SW3050B / 10/21/14	Analyst: JEC
Arsenic	11		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Barium	470		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Cadmium	ND		0.32	mg/Kg-dry	1	10/21/2014 12:53 PM
Chromium	14		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Copper	15		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Lead	16		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Nickel	13		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Selenium	0.87		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Silver	ND		0.41	mg/Kg-dry	1	10/21/2014 12:53 PM
Zinc	59		0.81	mg/L-dry	1	10/21/2014 12:53 PM
SOLUBLE CATIONS FOR SAR						
			SW846 6010C		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
Calcium	430		5.0	mg/L	10	10/22/2014 01:12 PM
Magnesium	90		2.0	mg/L	10	10/22/2014 01:12 PM
Sodium	5,200		20	mg/L	100	10/22/2014 01:58 PM
SODIUM ADSORPTION RATIO						
			USDA H60 METHOD		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
Sodium Adsorption Ratio	60		0.010	none	1	10/22/2014
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW846 8270D		Prep: SW3541 / 10/22/14	Analyst: JG
Acenaphthene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Acenaphthylene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Anthracene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Benzo(a)anthracene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Benzo(a)pyrene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Benzo(b)fluoranthene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Benzo(g,h,i)perylene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Benzo(k)fluoranthene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Chrysene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Release Confirmation 10.17.14
Sample ID: Confirmation 02
Collection Date: 10/17/2014 10:19 AM

Work Order: 14101133
Lab ID: 14101133-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Fluoranthene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Fluorene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Indeno(1,2,3-cd)pyrene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Naphthalene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Pyrene	ND		7.7	µg/Kg-dry	1	10/23/2014 08:49 AM
Surr: 2-Fluorobiphenyl	59.0		12-100	%REC	1	10/23/2014 08:49 AM
Surr: 4-Terphenyl-d14	84.2		25-137	%REC	1	10/23/2014 08:49 AM
Surr: Nitrobenzene-d5	68.2		37-107	%REC	1	10/23/2014 08:49 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: SW5035 / 10/20/14 Analyst: BG		
Benzene	ND		35	µg/Kg-dry	1	10/28/2014 12:58 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	10/28/2014 12:58 PM
m,p-Xylene	ND		71	µg/Kg-dry	1	10/28/2014 12:58 PM
o-Xylene	ND		35	µg/Kg-dry	1	10/28/2014 12:58 PM
Toluene	ND		35	µg/Kg-dry	1	10/28/2014 12:58 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	10/28/2014 12:58 PM
Surr: 1,2-Dichloroethane-d4	90.8		70-130	%REC	1	10/28/2014 12:58 PM
Surr: 4-Bromofluorobenzene	95.8		70-130	%REC	1	10/28/2014 12:58 PM
Surr: Dibromofluoromethane	98.4		70-130	%REC	1	10/28/2014 12:58 PM
Surr: Toluene-d8	97.8		70-130	%REC	1	10/28/2014 12:58 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 10/22/14 Analyst: JB		
Electrical Conductivity @ Saturation	30		0.050	mmhos/cm @25	10	10/23/2014 12:45 PM
CHROMIUM, TRIVALENT			CALCULATION	Analyst: JJG		
Chromium, Trivalent	14		0.59	mg/Kg-dry	1	10/27/2014 04:32 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 10/20/14 Analyst: MB		
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	10/22/2014 10:00 AM
MOISTURE			A2540 G	Analyst: RLM		
Moisture	15		0.050	% of sample	1	10/22/2014 12:48 PM
PH			SW9045D	Prep: EXTRACT / 10/20/14 Analyst: STP		
pH	8.4			s.u.	1	10/20/2014 12:50 PM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Project: WPX WM Facility Release Confirmation 10.17.14

Work Order: 14101133

Sample ID: Confirmation 03

Lab ID: 14101133-03

Collection Date: 10/17/2014 10:23 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	33		SW8015M		Prep: SW3541 / 10/21/14	Analyst: IT
Surr: 4-Terphenyl-d14	57.9		4.5	mg/Kg-dry	1	10/21/2014 09:40 PM
			39-133	%REC	1	10/21/2014 09:40 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep: SW5035 / 10/20/14	Analyst: IT
Surr: Toluene-d8	102		2.7	mg/Kg-dry	1	10/20/2014 06:27 PM
			50-150	%REC	1	10/20/2014 06:27 PM
MERCURY BY CVAA						
Mercury	0.35		SW7471		Prep: SW7471 / 10/20/14	Analyst: LR
			0.030	mg/Kg-dry	2	10/20/2014 09:49 PM
METALS ANALYSIS BY ICP						
Arsenic	13		SW846 6010C		Prep: SW3050B / 10/21/14	Analyst: JEC
Barium	1,500		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Cadmium	ND		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Chromium	12		0.30	mg/Kg-dry	1	10/21/2014 12:59 PM
Copper	18		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Lead	22		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Nickel	13		0.75	mg/Kg-dry	2	10/21/2014 02:42 PM
Selenium	0.78		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Silver	ND		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
Zinc	69		0.37	mg/Kg-dry	1	10/21/2014 12:59 PM
SOLUBLE CATIONS FOR SAR						
Calcium	680		SW846 6010C		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
Magnesium	160		5.0	mg/L	10	10/22/2014 01:24 PM
Sodium	1,900		2.0	mg/L	10	10/22/2014 01:24 PM
			2.0	mg/L	10	10/22/2014 01:24 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	17		USDA H60 METHOD		Prep: USDA Method 20B / 10/22/14	Analyst: JEC
			0.010	none	1	10/22/2014
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW846 8270D		Prep: SW3541 / 10/22/14	Analyst: JG
Acenaphthylene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Anthracene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Benzo(a)anthracene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Benzo(a)pyrene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Benzo(b)fluoranthene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Benzo(g,h,i)perylene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Benzo(k)fluoranthene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Chrysene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Project: WPX WM Facility Release Confirmation 10.17.14

Work Order: 14101133

Sample ID: Confirmation 03

Lab ID: 14101133-03

Collection Date: 10/17/2014 10:23 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Fluoranthene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Fluorene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Indeno(1,2,3-cd)pyrene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Naphthalene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Pyrene	ND		7.2	µg/Kg-dry	1	10/23/2014 09:16 AM
Surr: 2-Fluorobiphenyl	46.5		12-100	%REC	1	10/23/2014 09:16 AM
Surr: 4-Terphenyl-d14	70.3		25-137	%REC	1	10/23/2014 09:16 AM
Surr: Nitrobenzene-d5	52.4		37-107	%REC	1	10/23/2014 09:16 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: SW5035 / 10/20/14 Analyst: BG		
Benzene	ND		33	µg/Kg-dry	1	10/28/2014 01:23 PM
Ethylbenzene	ND		33	µg/Kg-dry	1	10/28/2014 01:23 PM
m,p-Xylene	ND		66	µg/Kg-dry	1	10/28/2014 01:23 PM
o-Xylene	ND		33	µg/Kg-dry	1	10/28/2014 01:23 PM
Toluene	ND		33	µg/Kg-dry	1	10/28/2014 01:23 PM
Xylenes, Total	ND		99	µg/Kg-dry	1	10/28/2014 01:23 PM
Surr: 1,2-Dichloroethane-d4	90.0		70-130	%REC	1	10/28/2014 01:23 PM
Surr: 4-Bromofluorobenzene	95.8		70-130	%REC	1	10/28/2014 01:23 PM
Surr: Dibromofluoromethane	98.0		70-130	%REC	1	10/28/2014 01:23 PM
Surr: Toluene-d8	98.4		70-130	%REC	1	10/28/2014 01:23 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 10/22/14 Analyst: JB		
Electrical Conductivity @ Saturation	17		0.050	mmhos/cm @25	10	10/23/2014 12:45 PM
CHROMIUM, TRIVALENT			CALCULATION	Analyst: JJG		
Chromium, Trivalent	12		0.55	mg/Kg-dry	1	10/27/2014 04:32 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 10/20/14 Analyst: MB		
Chromium, Hexavalent	ND		0.54	mg/Kg-dry	1	10/22/2014 10:00 AM
MOISTURE			A2540 G	Analyst: RLM		
Moisture	9.0		0.050	% of sample	1	10/22/2014 12:48 PM
PH			SW9045D	Prep: EXTRACT / 10/20/14 Analyst: STP		
pH	8.1		s.u.		1	10/20/2014 12:50 PM

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

ALS Group USA, Corp

Date: 28-Oct-14

Client: HRL Compliance Solutions, Inc

Work Order: 14101133

Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64135**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: DBLKS1-64135-64135				Units: mg/Kg		Analysis Date: 10/21/2014 05:01 PM		
Client ID:		Run ID: GC8_141021A				SeqNo: 2993383		Prep Date: 10/21/2014		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	1.498	0	2	0	74.9	39-133	0			

LCS		Sample ID: DLCSS1-64135-64135				Units: mg/Kg		Analysis Date: 10/21/2014 05:27 PM		
Client ID:		Run ID: GC8_141021A				SeqNo: 2993384		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	169.7	5.0	200	0	84.9	61-109	0			
Surr: 4-Terphenyl-d14	1.169	0	2	0	58.4	39-133	0			

MS		Sample ID: 14101041-01C MS				Units: mg/Kg		Analysis Date: 10/21/2014 05:52 PM		
Client ID:		Run ID: GC8_141021A				SeqNo: 2993385		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	279.3	8.1	324.7	0	86	48-110	0			
Surr: 4-Terphenyl-d14	2.111	0	3.247	0	65	39-133	0			

MSD		Sample ID: 14101041-01C MSD				Units: mg/Kg		Analysis Date: 10/21/2014 06:18 PM		
Client ID:		Run ID: GC8_141021A				SeqNo: 2993386		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	247.2	8.2	329.4	0	75	48-110	279.3	12.2	30	
Surr: 4-Terphenyl-d14	1.704	0	3.294	0	51.7	39-133	2.111	21.3	30	

The following samples were analyzed in this batch: | 14101133-01B | 14101133-02B | 14101133-03B |

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64102** Instrument ID **GC9** Method: **SW8015**

MBLK		Sample ID: MBLK-64102-64102				Units: µg/Kg		Analysis Date: 10/20/2014 04:02 PM		
Client ID:		Run ID: GC9_141020A				SeqNo: 2991477		Prep Date: 10/20/2014		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								
<i>Surr: Toluene-d8</i>	4994	0	5000	0	99.9	50-150	0			

LCS		Sample ID: LCS-64102-64102				Units: µg/Kg		Analysis Date: 10/20/2014 03:37 PM		
Client ID:		Run ID: GC9_141020A				SeqNo: 2991476		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	461600	2,500	500000	0	92.3	70-130	0			
<i>Surr: Toluene-d8</i>	4876	0	5000	0	97.5	50-150	0			

MS		Sample ID: 14101133-01A MS				Units: µg/Kg		Analysis Date: 10/20/2014 06:53 PM		
Client ID: Confirmation 01		Run ID: GC9_141020A				SeqNo: 2991487		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	495400	2,500	500000	0	99.1	70-130	0			
<i>Surr: Toluene-d8</i>	4558	0	5000	0	91.2	50-150	0			

MSD		Sample ID: 14101133-01A MSD				Units: µg/Kg		Analysis Date: 10/20/2014 07:18 PM		
Client ID: Confirmation 01		Run ID: GC9_141020A				SeqNo: 2991489		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	476600	2,500	500000	0	95.3	70-130	495400	3.86	30	
<i>Surr: Toluene-d8</i>	4526	0	5000	0	90.5	50-150	4558	0.705	30	

The following samples were analyzed in this batch:

14101133-01A	14101133-02A	14101133-03A
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64127** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-64127-64127				Units:mg/Kg		Analysis Date: 10/20/2014 08:33 PM			
Client ID:			Run ID: HG1_141020A			SeqNo: 2990875		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Mercury ND 0.020

LCS		Sample ID: LCS-64127-64127					Units:mg/Kg		Analysis Date: 10/20/2014 08:36 PM		
Client ID:			Run ID: HG1_141020A			SeqNo:2990876		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Mercury 0.1682 0.020 0.1665 0 101 80-120 0

MS		Sample ID: 1410992-04BMS				Units:mg/Kg		Analysis Date: 10/20/2014 08:49 PM			
Client ID:			Run ID: HG1_141020A		SeqNo: 2990882		Prep Date: 10/20/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Mercury 0.1149 0.013 0.1057 0.007788 101 75-125 0

MSD				Sample ID: 1410992-04BMSD				Units:mg/Kg			Analysis Date: 10/20/2014 08:52 PM												
Client ID:				Run ID: HG1_141020A				SeqNo:2990883		Prep Date: 10/20/2014		DF: 1											
Analyte				Result		PQL		SPK Val		SPK Ref Value		%REC		Control Limit		RPD Ref Value		%RPD		RPD Limit		Qual	

Mercury 0.1179 0.013 0.1049 0.007788 105 75-125 0.1149 2.57 35

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64148** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK		Sample ID: MBLK-64148-64148				Units: mg/Kg		Analysis Date: 10/21/2014 12:36 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992393		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.50								
Chromium	ND	0.25								
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.168	0.50								J

LCS		Sample ID: LCS-64148-64148				Units: mg/Kg		Analysis Date: 10/21/2014 12:42 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992396		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.184	0.25	5	0	104	80-120	0			
Barium	4.648	0.25	5	0	93	80-120	0			
Cadmium	4.501	0.50	5	0	90	80-120	0			
Chromium	4.703	0.25	5	0	94.1	80-120	0			
Copper	4.972	0.50	5	0	99.4	80-120	0			
Lead	4.89	0.25	5	0	97.8	80-120	0			
Nickel	4.744	0.25	5	0	94.9	80-120	0			
Selenium	5.113	0.50	5	0	102	80-120	0			
Silver	5.057	0.25	5	0	101	80-120	0			
Zinc	5.276	0.50	5	0	106	80-120	0			

MS		Sample ID: 14101135-01AMS				Units: mg/Kg		Analysis Date: 10/21/2014 01:11 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992411		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	26.37	0.39	7.899	17.64	111	75-125	0			
Barium	388.7	0.39	7.899	396.6	-99.7	75-125	0			SO
Cadmium	7.559	0.79	7.899	0.1877	93.3	75-125	0			
Chromium	22.89	0.39	7.899	13.47	119	75-125	0			
Copper	26.32	0.79	7.899	18.01	105	75-125	0			
Nickel	18.74	0.39	7.899	11.36	93.4	75-125	0			
Selenium	9.42	0.79	7.899	0.7239	110	75-125	0			
Silver	9.32	0.39	7.899	-0.07558	119	75-125	0			
Zinc	57.69	0.79	7.899	48.38	118	75-125	0			O

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64148** Instrument ID **ICP2** Method: **SW846 6010C**

MS		Sample ID: 14101135-01AMS				Units: mg/Kg		Analysis Date: 10/21/2014 02:25 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992439		Prep Date: 10/21/2014		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	28.11	0.79	7.899	21.36	85.5	75-125		0		

MSD		Sample ID: 14101135-01AMSD				Units: mg/Kg		Analysis Date: 10/21/2014 01:17 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992413		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	25.32	0.39	7.886	17.64	97.5	75-125	26.37	4.04	20	
Barium	401.7	0.39	7.886	396.6	64.4	75-125	388.7	3.28	20	SO
Cadmium	7.45	0.79	7.886	0.1877	92.1	75-125	7.559	1.45	20	
Chromium	22.62	0.39	7.886	13.47	116	75-125	22.89	1.18	20	
Copper	24.96	0.79	7.886	18.01	88.1	75-125	26.32	5.31	20	
Nickel	17.63	0.39	7.886	11.36	79.5	75-125	18.74	6.09	20	
Selenium	9.251	0.79	7.886	0.7239	108	75-125	9.42	1.81	20	
Silver	9.389	0.39	7.886	-0.07558	120	75-125	9.32	0.738	20	
Zinc	58.51	0.79	7.886	48.38	129	75-125	57.69	1.41	20	SO

MSD		Sample ID: 14101135-01AMSD				Units: mg/Kg		Analysis Date: 10/21/2014 02:31 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992441		Prep Date: 10/21/2014		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	28.14	0.79	7.886	21.36	86	75-125	28.11	0.101	20	

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64156** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 14101133-02CDUP				Units: mg/L		Analysis Date: 10/22/2014 01:18 PM		
Client ID: Confirmation 02		Run ID: ICP2_141022A				SeqNo: 2994883		Prep Date: 10/22/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	409.8	5.0	0	0	0	0-0	0			
Magnesium	84.26	2.0	0	0	0	0-0	0			

DUP		Sample ID: 14101133-02CDUP				Units: mg/L		Analysis Date: 10/22/2014 02:03 PM		
Client ID: Confirmation 02		Run ID: ICP2_141022A				SeqNo: 2994891		Prep Date: 10/22/2014		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	5096	20	0	0	0	0-0	0			

DUP		Sample ID: 14101133-02CDUP				Units: none		Analysis Date: 10/22/2014		
Client ID: Confirmation 02		Run ID: SAR_141022A				SeqNo: 2995158		Prep Date: 10/22/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	59.9	0.010	0	0	0		59.75	0.253	50	

The following samples were analyzed in this batch:

14101133-01C	14101133-02C	14101133-03C
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64191** Instrument ID **SVMS5** Method: **SW846 8270D**

MBLK		Sample ID: SBLKS1-64191-64191				Units: µg/Kg		Analysis Date: 10/22/2014 10:40 PM		
Client ID:		Run ID: SVMS5_141022A				SeqNo: 2998153		Prep Date: 10/22/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Acenaphthylene	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								
<i>Surr: 2-Fluorobiphenyl</i>	1210	0	1667	0	72.6	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1642	0	1667	0	98.5	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1139	0	1667	0	68.4	37-107	0			

LCS		Sample ID: SLCSS1-64191-64191				Units: µg/Kg		Analysis Date: 10/22/2014 11:03 PM		
Client ID:		Run ID: SVMS5_141022A				SeqNo: 2998154		Prep Date: 10/22/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	560	6.7	666.7	0	84	45-110	0			
Acenaphthylene	587.7	6.7	666.7	0	88.1	45-105	0			
Anthracene	693.7	6.7	666.7	0	104	55-105	0			
Benzo(a)anthracene	677	6.7	666.7	0	102	50-110	0			
Benzo(a)pyrene	726.3	6.7	666.7	0	109	50-110	0			
Benzo(b)fluoranthene	730	6.7	666.7	0	109	45-115	0			
Benzo(g,h,i)perylene	655	6.7	666.7	0	98.2	40-125	0			
Benzo(k)fluoranthene	714	6.7	666.7	0	107	45-115	0			
Chrysene	703	6.7	666.7	0	105	55-110	0			
Dibenzo(a,h)anthracene	669.3	6.7	666.7	0	100	40-125	0			
Fluoranthene	685.3	6.7	666.7	0	103	55-115	0			
Fluorene	625.3	6.7	666.7	0	93.8	50-110	0			
Indeno(1,2,3-cd)pyrene	678	6.7	666.7	0	102	40-120	0			
Naphthalene	552.7	6.7	666.7	0	82.9	40-105	0			
Pyrene	725	6.7	666.7	0	109	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1259	0	1667	0	75.5	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1839	0	1667	0	110	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1166	0	1667	0	70	37-107	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64191** Instrument ID **SVMS5** Method: **SW846 8270D**

MS				Sample ID: 14101114-11B MS			Units: µg/Kg		Analysis Date: 10/22/2014 11:27 PM	
Client ID:		Run ID: SVMS5_141022A			SeqNo: 2998155		Prep Date: 10/22/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1101	13	1307	0	84.2	45-110	0			
Acenaphthylene	1166	13	1307	0	89.2	45-105	0			
Anthracene	1267	13	1307	0	96.9	55-105	0			
Benzo(a)anthracene	1246	13	1307	0	95.3	50-110	0			
Benzo(a)pyrene	1346	13	1307	0	103	50-110	0			
Benzo(b)fluoranthene	1400	13	1307	0	107	45-115	0			
Benzo(g,h,i)perylene	1276	13	1307	0	97.6	40-125	0			
Benzo(k)fluoranthene	1374	13	1307	0	105	45-115	0			
Chrysene	1291	13	1307	0	98.7	55-110	0			
Dibenzo(a,h)anthracene	1294	13	1307	0	99	40-125	0			
Fluoranthene	1250	13	1307	0	95.6	55-115	0			
Fluorene	1185	13	1307	0	90.6	50-110	0			
Indeno(1,2,3-cd)pyrene	1305	13	1307	0	99.8	40-120	0			
Naphthalene	1154	13	1307	0	88.2	40-105	0			
Pyrene	1359	13	1307	0	104	45-125	0			
Surr: 2-Fluorobiphenyl	2607	0	3268	0	79.8	12-100	0			
Surr: 4-Terphenyl-d14	3456	0	3268	0	106	25-137	0			
Surr: Nitrobenzene-d5	2490	0	3268	0	76.2	37-107	0			

MSD				Sample ID: 14101114-11B MSD			Units: µg/Kg		Analysis Date: 10/22/2014 11:50 PM	
Client ID:		Run ID: SVMS5_141022A			SeqNo: 2998157		Prep Date: 10/22/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1011	13	1297	0	77.9	45-110	1101	8.47	30	
Acenaphthylene	1055	13	1297	0	81.3	45-105	1166	9.97	30	
Anthracene	1268	13	1297	0	97.7	55-105	1267	0.06	30	
Benzo(a)anthracene	1233	13	1297	0	95	50-110	1246	1.02	30	
Benzo(a)pyrene	1332	13	1297	0	103	50-110	1346	1.1	30	
Benzo(b)fluoranthene	1336	13	1297	0	103	45-115	1400	4.71	30	
Benzo(g,h,i)perylene	1230	13	1297	0	94.8	40-125	1276	3.72	30	
Benzo(k)fluoranthene	1350	13	1297	0	104	45-115	1374	1.77	30	
Chrysene	1293	13	1297	0	99.6	55-110	1291	0.145	30	
Dibenzo(a,h)anthracene	1262	13	1297	0	97.3	40-125	1294	2.49	30	
Fluoranthene	1267	13	1297	0	97.6	55-115	1250	1.31	30	
Fluorene	1141	13	1297	0	87.9	50-110	1185	3.79	30	
Indeno(1,2,3-cd)pyrene	1283	13	1297	0	98.9	40-120	1305	1.67	30	
Naphthalene	972.3	13	1297	0	74.9	40-105	1154	17.1	30	
Pyrene	1328	13	1297	0	102	45-125	1359	2.31	30	
Surr: 2-Fluorobiphenyl	2223	0	3243	0	68.5	12-100	2607	15.9	40	
Surr: 4-Terphenyl-d14	3332	0	3243	0	103	25-137	3456	3.64	40	
Surr: Nitrobenzene-d5	2079	0	3243	0	64.1	37-107	2490	18	40	

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64191** Instrument ID **SVMS5** Method: **SW846 8270D**

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64101** Instrument ID **VMS6** Method: **SW8260B**

Sample ID: MBLK-64101-64101				Units: µg/Kg			Analysis Date: 10/21/2014 01:37 AM			
Client ID:		Run ID: VMS6_141020A			SeqNo: 2991740		Prep Date: 10/20/2014		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								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>976.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97.6</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>991</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.1</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>929</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>92.9</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>994.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.4</i>	<i>70-130</i>	<i>0</i>			

LCS				Sample ID: LCS-64101-64101			Units: µg/Kg		Analysis Date: 10/21/2014 12:19 PM		
Client ID:		Run ID: VMS6_141020A			SeqNo:2991750		Prep Date: 10/20/2014		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	1080	30	1000	0	108	75-125	0				
m,p-Xylene	2147	60	2000	0	107	80-125	0				
o-Xylene	1092	30	1000	0	109	75-125	0				
Toluene	1040	30	1000	0	104	70-125	0				
Xylenes, Total	3239	90	3000	0	108	75-125	0				
Surr: 1,2-Dichloroethane-d4	987	0	1000	0	98.7	70-130	0				
Surr: 4-Bromofluorobenzene	1014	0	1000	0	101	70-130	0				
Surr: Dibromofluoromethane	1021	0	1000	0	102	70-130	0				
Surr: Toluene-d8	1010	0	1000	0	101	70-130	0				

MS				Sample ID: 14101114-06A MS				Units: µg/Kg			Analysis Date: 10/23/2014 11:19 AM			
Client ID:				Run ID: VMS6_141022B				SeqNo: 2996231			Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Benzene	1231	30	1000	0	123	75-125	0							
Ethylbenzene	1231	30	1000	0	123	75-125	0							
m,p-Xylene	2460	60	2000	0	123	80-125	0							
o-Xylene	1224	30	1000	0	122	75-125	0							
Toluene	1188	30	1000	0	119	70-125	0							
Xylenes, Total	3684	90	3000	0	123	75-125	0							
Surr: 1,2-Dichloroethane-d4	983.5	0	1000	0	98.4	70-130	0							
Surr: 4-Bromofluorobenzene	1020	0	1000	0	102	70-130	0							
Surr: Dibromofluoromethane	1008	0	1000	0	101	70-130	0							
Surr: Toluene-d8	978	0	1000	0	97.8	70-130	0							

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64101** Instrument ID **VMS6** Method: **SW8260B**

MSD				Sample ID: 14101114-06A MSD				Units: µg/Kg		Analysis Date: 10/23/2014 11:45 AM	
Client ID:			Run ID: VMS6_141022B			SeqNo: 2996234		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1224	30	1000	0	122	75-125	1231	0.529	30		
Ethylbenzene	1226	30	1000	0	123	75-125	1231	0.366	30		
m,p-Xylene	2439	60	2000	0	122	80-125	2460	0.857	30		
o-Xylene	1222	30	1000	0	122	75-125	1224	0.164	30		
Toluene	1196	30	1000	0	120	70-125	1188	0.671	30		
Xylenes, Total	3661	90	3000	0	122	75-125	3684	0.626	30		
Surr: 1,2-Dichloroethane-d4	964.5	0	1000	0	96.4	70-130	983.5	1.95	30		
Surr: 4-Bromofluorobenzene	1021	0	1000	0	102	70-130	1020	0.049	30		
Surr: Dibromofluoromethane	991	0	1000	0	99.1	70-130	1008	1.75	30		
Surr: Toluene-d8	975	0	1000	0	97.5	70-130	978	0.307	30		

The following samples were analyzed in this batch: 14101133-01A 14101133-02A 14101133-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64112** Instrument ID **WETCHEM** Method: **SW9045D**

DUP		Sample ID: 1410964-02A DUP				Units: s.u.		Analysis Date: 10/20/2014 12:50 PM		
Client ID:		Run ID: WETCHEM_141020J			SeqNo:2989419		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.44	0	0	0	0	0-0	7.39	0.674	20	

DUP		Sample ID: 1410968-02A DUP					Units: s.u.		Analysis Date: 10/20/2014 12:50 PM		
Client ID:		Run ID: WETCHEM_141020J			SeqNo:2989422		Prep Date: 10/20/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	7.78	0	0	0	0	0-0	7.75	0.386	20		

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64156** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 14101133-02C DUP				Units: mmhos/cm @25°C		Analysis Date: 10/23/2014 12:45 PM		
Client ID: Confirmation 02		Run ID: WETCHEM_141023D				SeqNo: 2996473		Prep Date: 10/22/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	29	0.050	0	0	0		30.4	4.71	50	

The following samples were analyzed in this batch:

14101133-01C	14101133-02C	14101133-03C
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64158** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-64158-64158				Units: mg/Kg		Analysis Date: 10/21/2014 10:00 AM		
Client ID:		Run ID: WETCHEM_141022R				SeqNo: 2994252		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

MBLK		Sample ID: MBLK-64158-64158				Units: mg/Kg		Analysis Date: 10/22/2014 10:00 AM		
Client ID:		Run ID: WETCHEM_141022R				SeqNo: 2994311		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

LCS		Sample ID: LCS-64158-64158				Units: mg/Kg		Analysis Date: 10/21/2014 10:00 AM		
Client ID:		Run ID: WETCHEM_141022R				SeqNo: 2994250		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.772 0.50 2 0 88.6 80-120 0

LCS		Sample ID: LCS-64158-64158				Units: mg/Kg		Analysis Date: 10/22/2014 10:00 AM		
Client ID:		Run ID: WETCHEM_141022R				SeqNo: 2994310		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.772 0.50 2 0 88.6 80-120 0

LCSD		Sample ID: LCSD-64158-64158				Units: mg/Kg		Analysis Date: 10/21/2014 10:00 AM		
Client ID:		Run ID: WETCHEM_141022R				SeqNo: 2994251		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.772 0.50 2 0 88.6 80-120 1.772 0 20

MS		Sample ID: 14101133-01B MS				Units: mg/Kg		Analysis Date: 10/22/2014 10:00 AM		
Client ID: Confirmation 01		Run ID: WETCHEM_141022R				SeqNo: 2994302		Prep Date: 10/20/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.49 0.49 1.961 0.1174 70 75-125 0 S

MS		Sample ID: 14101133-01B MSI				Units: mg/Kg		Analysis Date: 10/22/2014 10:00 AM		
Client ID: Confirmation 01		Run ID: WETCHEM_141022R				SeqNo: 2994304		Prep Date: 10/20/2014		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1100 50 1525 0.1174 72.1 75-125 0 S

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **64158** Instrument ID **WETCHEM** Method: **SW7196A**

MSD		Sample ID: 14101133-01B MSD				Units: mg/Kg		Analysis Date: 10/22/2014 10:00 AM			
Client ID: Confirmation 01		Run ID: WETCHEM_141022R				SeqNo: 2994303		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Chromium, Hexavalent	1.551	0.51	2.041	0.1174	70.2	75-125	1.49	4	20	S	

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101133
Project: WPX WM Facility Release Confirmation 10.17.14

QC BATCH REPORT

Batch ID: **R150976** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R150976				Units: % of sample		Analysis Date: 10/22/2014 12:48 PM		
Client ID:		Run ID: MOIST_141022C			SeqNo: 2997050		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-R150976					Units: % of sample		Analysis Date: 10/22/2014 12:48 PM		
Client ID:			Run ID: MOIST_141022C			SeqNo: 2997049		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: 14101169-03A DUP				Units: % of sample			Analysis Date: 10/22/2014 12:48 PM												
Client ID:				Run ID: MOIST_141022C				SeqNo: 2997037		Prep Date:		DF: 1											
Analyte				Result		PQL		SPK Val		SPK Ref Value		%REC		Control Limit		RPD Ref Value		%RPD		RPD Limit		Qual	

Moisture 28.65 0.050 0 0 0 0-0 29.62 3.33 20

DUP				Sample ID: 14101210-01A DUP				Units: % of sample			Analysis Date: 10/22/2014 12:48 PM		
Client ID:				Run ID: MOIST_141022C				SeqNo: 2997048		Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		

Moisture 14.3 0.050 0 0 0 0-0 14.04 1.83 20 H

The following samples were analyzed in this batch:

14101133-01B	14101133-02B	14101133-03B
--------------	--------------	--------------

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



ALS Laboratory Group

3352 128th Ave. Holland, MI 49424
 TP: (800) 443-1511 PH: (616) 399-6070 FX: (616) 399-6185

Chain-of-Custody

Form 202r8

WORKORDER #

14101133

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME WPX WM FACILITY

SAMPLER

CASEY RICHARDSON

DATE

10.17.14

PROJECT No.

RELEASE

SITE ID

CONFIRMATION

TURNAROUND

5 DAY

EDD FORMAT

PURCHASE ORDER

COMPANY NAME

HCSI

BILL TO COMPANY

WPX Energy

SEND REPORT TO

MARK MUMBY

INVOICE ATTN TO

KAROLINA BLANEY

ADDRESS

2385 F 1/2 Road

ADDRESS

1058 County Road 215

CITY/STATE/ZIP

Grand Junction, CO. 81505

CITY/STATE/ZIP

Parachute, CO 81635

PHONE

970-243-3271

PHONE

970-883-2295

FAX

970-243-3280

FAX

970-285-9573

E-MAIL

mmumby@hrcomp.com

E-MAIL

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Bottles

Pres.

QC

GRO, BTEX
 DBO, PAH, METALS (910.1)
 SAR, EC, pH

1

CONFIRMATION 01

S

10.17.14

1015

3

8

x x x

2

CONFIRMATION 02

1

1

1019

1

1

x x x

3

CONFIRMATION 03

1

1

1023

1

1

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 II (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw data)

RELINQUISHED BY

C. Richardson

RECEIVED BY

MM

RELINQUISHED BY

MM

RECEIVED BY

DF Sha

RELINQUISHED BY

DF Sha

RECEIVED BY

DF Sha

SIGNATURE

PRINTED NAME

DATE

TIME

CASEY RICHARDSON

10.17.14

1200

MM

10.17.14

170

MM

10.17.14

1700

Diane F. Sha

10/18/14

1100

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

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **18-Oct-14 11:00**

Work Order: **14101133**

Received by: **DS**

Checklist completed by <u>Ann Preston</u>	19-Oct-14	Reviewed by: <u>Ann Preston</u>	19-Oct-14
eSignature	Date	eSignature	Date

Matrices: **soil**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.4°C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>10/18/14 11:00</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

From: (616) 399-8070
Rick Martinez
ALS Environmental
127 E. 1st Street
Parachute, CO 81835

Origin ID: RILA



Ship Date: 17OCT14
ActWgt: 84.0 LB
CAD: 2264840/MET3550

Dim: 24 X 15 X 15 IN

SHIP TO: (616) 399-8070
sample receiving
ALS Laboratory Group
3352 128TH AVE

HOLLAND, MI 49424

BILL SENDER

Delivery Address Bar Code



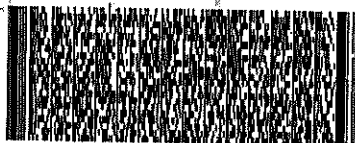
Ref # 101714-1
Invoice #
PO # Parachute
Dept #

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 7715 4172 0198
9261

X0 HLMA

49424
MI US
GRR



52201DF046AC9

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ALS Parachute Custody Seal

DATE 10-17-14

Time 7:00

Name



27-Oct-2014

Mark Mumby
HRL Compliance Solutions, Inc
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **WPX WM Facility Backgrounds 10.17.14**

Work Order: **14101135**

Dear Mark,

ALS Environmental received 3 samples on 18-Oct-2014 11:00 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 15.

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

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: MN 532786

Report of Laboratory Analysis

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

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Backgrounds 10.17.14
Work Order: 14101135

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>
14101135-01	BKGD 01	Soil		10/17/2014 11:18	10/18/2014 11:00	<input type="checkbox"/>
14101135-02	BKGD 02	Soil		10/17/2014 11:20	10/18/2014 11:00	<input type="checkbox"/>
14101135-03	BKGD 03	Soil		10/17/2014 11:25	10/18/2014 11:00	<input type="checkbox"/>

ALS Group USA, Corp

Date: 27-Oct-14

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Backgrounds 10.17.14
Work Order: 14101135

Case Narrative

Batch R150976 duplicate data for % Moisture is not related to this project's samples. No data requires qualification.

<u>Qualifier</u>	<u>Description</u>
*	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

<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
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: 27-Oct-14

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Backgrounds 10.17.14
Sample ID: BKGD 01
Collection Date: 10/17/2014 11:18 AM

Work Order: 14101135
Lab ID: 14101135-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS ANALYSIS BY ICP			SW846 6010C		Prep: SW3050B / 10/21/14	Analyst: JEC
Arsenic	21		0.46	mg/Kg-dry	1	10/21/2014 01:05 PM
MOISTURE			A2540 G			Analyst: RLM
Moisture	14		0.050	% of sample	1	10/22/2014 12:48 PM

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

ALS Group USA, Corp

Date: 27-Oct-14

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Backgrounds 10.17.14
Sample ID: BKGD 02
Collection Date: 10/17/2014 11:20 AM

Work Order: 14101135
Lab ID: 14101135-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP						
Arsenic	24		SW846 6010C 0.38	mg/Kg-dry	1	Prep: SW3050B / 10/21/14 Analyst: JEC 10/21/2014 01:57 PM
MOISTURE						
Moisture	13		A2540 G 0.050	% of sample	1	Analyst: RLM 10/22/2014 12:48 PM

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

ALS Group USA, Corp

Date: 27-Oct-14

Client: HRL Compliance Solutions, Inc
Project: WPX WM Facility Backgrounds 10.17.14
Sample ID: BKGD 03
Collection Date: 10/17/2014 11:25 AM

Work Order: 14101135
Lab ID: 14101135-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP						
Arsenic	9.7		SW846 6010C 0.38	mg/Kg-dry	Prep: SW3050B / 10/21/14 1	Analyst: JEC 10/21/2014 02:03 PM
SOLUBLE CATIONS FOR SAR						
Calcium	140		SW846 6010C 5.0	mg/L	Prep: USDA Method 20B / 10/22/14 10	Analyst: JEC 10/22/2014 01:30 PM
Magnesium	22		2.0	mg/L	10	10/22/2014 01:30 PM
Sodium	30		2.0	mg/L	10	10/22/2014 01:30 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	0.62		USDA H60 METHOD 0.010	none	Prep: USDA Method 20B / 10/22/14 1	Analyst: JEC 10/22/2014
ELECTRICAL CONDUCTIVITY (SAR)						
Electrical Conductivity @ Saturation	1.0		USDA H60 METHOD 0.050	mmhos/cm @25	Prep: USDA Method 20B / 10/22/14 10	Analyst: JB 10/23/2014 12:45 PM
MOISTURE						
Moisture	9.8		A2540 G 0.050	% of sample	1	Analyst: RLM 10/22/2014 12:48 PM
PH						
pH	8.5		SW9045D	s.u.	Prep: EXTRACT / 10/20/14 1	Analyst: STP 10/20/2014 12:50 PM

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

Client: HRL Compliance Solutions, Inc

QC BATCH REPORT

Work Order: 14101135

Project: WPX WM Facility Backgrounds 10.17.14

Batch ID: 64148

Instrument ID ICP2

Method: SW846 6010C

MBLK		Sample ID: MBLK-64148-64148				Units: mg/Kg		Analysis Date: 10/21/2014 12:36 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992393		Prep Date: 10/21/2014		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-64148-64148				Units: mg/Kg		Analysis Date: 10/21/2014 12:42 PM		
Client ID:		Run ID: ICP2_141021A				SeqNo: 2992396		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.184	0.25	5	0	104	80-120	0			

MS		Sample ID: 14101135-01AMS				Units: mg/Kg		Analysis Date: 10/21/2014 01:11 PM		
Client ID: BKGD 01		Run ID: ICP2_141021A				SeqNo: 2992411		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	26.37	0.39	7.899	17.64	111	75-125	0			

MSD		Sample ID: 14101135-01AMSD				Units: mg/Kg		Analysis Date: 10/21/2014 01:17 PM		
Client ID: BKGD 01		Run ID: ICP2_141021A				SeqNo: 2992413		Prep Date: 10/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	25.32	0.39	7.886	17.64	97.5	75-125	26.37	4.04	20	

The following samples were analyzed in this batch:

14101135-01A	14101135-02A	14101135-03A
--------------	--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101135
Project: WPX WM Facility Backgrounds 10.17.14

QC BATCH REPORT

Batch ID: **64156** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 14101133-02CDUP				Units: mg/L		Analysis Date: 10/22/2014 01:18 PM		
Client ID:		Run ID: ICP2_141022A				SeqNo: 2994883		Prep Date: 10/22/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	409.8	5.0	0	0	0	0-0	0			
Magnesium	84.26	2.0	0	0	0	0-0	0			

DUP		Sample ID: 14101133-02CDUP				Units: mg/L		Analysis Date: 10/22/2014 02:03 PM		
Client ID:		Run ID: ICP2_141022A				SeqNo: 2994891		Prep Date: 10/22/2014		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	5096	20	0	0	0	0-0	0			

DUP		Sample ID: 14101133-02CDUP				Units: none		Analysis Date: 10/22/2014		
Client ID:		Run ID: SAR_141022A				SeqNo: 2995158		Prep Date: 10/22/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	59.9	0.010	0	0	0		59.75	0.253	50	

The following samples were analyzed in this batch:

14101135-03B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101135
Project: WPX WM Facility Backgrounds 10.17.14

QC BATCH REPORT

Batch ID: **64112** Instrument ID **WETCHEM** Method: **SW9045D**

Sample ID: 1410964-02A DUP					Units: s.u.		Analysis Date: 10/20/2014 12:50 PM				
Client ID:			Run ID: WETCHEM_141020J			SeqNo:2989419		Prep Date: 10/20/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	7.44	0	0	0	0	0-0	7.39	0.674	20		

DUP					Sample ID: 1410968-02A DUP				Units: s.u.			Analysis Date: 10/20/2014 12:50 PM				
Client ID:					Run ID: WETCHEM_141020J				SeqNo:2989422			Prep Date: 10/20/2014			DF: 1	
Analyte					Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
pH					7.78	0	0	0	0	0-0	7.75	0.386	20			

The following samples were analyzed in this batch:

14101135-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101135
Project: WPX WM Facility Backgrounds 10.17.14

QC BATCH REPORT

Batch ID: **64156** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 14101133-02C DUP				Units: mmhos/cm @25°C		Analysis Date: 10/23/2014 12:45 PM		
Client ID:		Run ID: WETCHEM_141023D				SeqNo: 2996473		Prep Date: 10/22/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	29	0.050	0	0	0		30.4	4.71	50	

The following samples were analyzed in this batch:

14101135-03B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14101135
Project: WPX WM Facility Backgrounds 10.17.14

QC BATCH REPORT

Batch ID: **R150976** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R150976				Units: % of sample		Analysis Date: 10/22/2014 12:48 PM		
Client ID:		Run ID: MOIST_141022C			SeqNo: 2997050		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-R150976					Units: % of sample		Analysis Date: 10/22/2014 12:48 PM		
Client ID:			Run ID: MOIST_141022C			SeqNo: 2997049		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: 14101169-03A DUP				Units: % of sample			Analysis Date: 10/22/2014 12:48 PM			
Client ID:				Run ID: MOIST_141022C				SeqNo: 2997037		Prep Date:		DF: 1		
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 28.65 0.050 0 0 0 0-0 29.62 3.33 20

DUP				Sample ID: 14101210-01A DUP				Units: % of sample		Analysis Date: 10/22/2014 12:48 PM			
Client ID:				Run ID: MOIST_141022C				SeqNo: 2997048		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			

Moisture 14.3 0.050 0 0 0 0-0 14.04 1.83 20 H

The following samples were analyzed in this batch:

14101135-01A	14101135-02A	14101135-03A
--------------	--------------	--------------

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



ALS Laboratory Group

3352 128th Ave. Holland, MI 49424
TF: (800) 443-1511 PH: (616) 399-6070 FX: (616) 399-6185

Chain-of-Custody

Form 202r8

WORKORDER #

14101135

PAGE

1 of 1

DISPOSAL

Lab or Return to Client

PROJECT NAME WPX WIM FACILITY

PROJECT No.

COMPANY NAME HCSI

SEND REPORT TO MARK MUMBY

ADDRESS 2385 F 1/2 Road

CITY/STATE/ZIP Grand Junction, CO. 81505

PHONE 970-243-3271

FAX 970-243-3280

E-MAIL mmumby@hrcorp.com

SAMPLER

CASEY RICHARDSON

SITE ID

BACKGROUND

EDD FORMAT

PURCHASE ORDER

BILL TO COMPANY

WPX ENERGY

INVOICE ATTN TO

KAROLINA BLANEY

ADDRESS

1058 COUNTY RD 215

CITY/STATE/ZIP

PARACHUTE, CO 81635

PHONE

FAX

E-MAIL

karolina.blaney@wpxenergy.com

DATE

10.17.14

TURNAROUND

5 DAY

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Bottles

Pres.

QC

ARSENIC

SAR, EC, PH

1 BKGD 01

S

10.17.14

1118

1

8

K

2 BKGD 02

1

1

1120

1

1

X

3 BKGD 03

1

1

1125

2

1

X

X

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

r metals or anions, please detail analytes below.

iments:

QC PACKAGE (check below)

x

LEVEL II (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw data)

servative 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

Casey Richardson

CASEY RICHARDSON

10.17.14

1300

RECEIVED BY

MM

MM

10.17.14

1350

RELINQUISHED BY

MM

MM

10.17.14

1340

RECEIVED BY

MM

MM

10.18.14

1100

RELINQUISHED BY

MM

MM

RECEIVED BY

MM

MM

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **18-Oct-14 11:00**

Work Order: **14101135**

Received by: **DS**

Checklist completed by <u>Ann Preston</u>	19-Oct-14	Reviewed by: <u>Ann Preston</u>	19-Oct-14
eSignature	Date	eSignature	Date

Matrices: **soil**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.4°C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>1110/19/201400</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

From: (816) 399-0070
 Nick Martinez
 ALS Environmental
 127 E. 1st Street
 Parachute, CO 81635

Origin ID: RLA



Ship Date: 17OCT14
 ActWgt: 64.0 LB
 CAD: 2264840/NET3550

Dim: 24 X 15 X 15 IN

SHIP TO: (816) 399-0070
 sample receiving
 ALS Laboratory Group
 3352 128TH AVE

HOLLAND, MI 49424

BILL SENDER

Delivery Address Bar Code



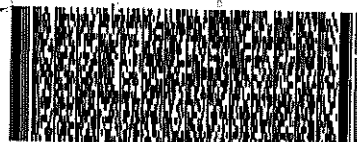
Ref # 101714-1
 Invoice #
 PO # Parachute
 Dept #

SATURDAY 12:00P
 PRIORITY OVERNIGHT

TRK# 7715 4172 0198
 8201

X0 HLMA

49424
 MI-US
 GRR



822G1HF84BAC3

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ALS Parachute Custody Seal
 DATE 10-17-14 Time 7:00
 Name [Signature]