

Legend

- Sample Location
- Existing Road
- Existing Pad
Limit of Disturbance

GM 23-34
Arsenic Background Sample Location Map
T6S R96W, Section 34

May 13, 2014





13-May-2014

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

Re: **WPX GM 23-34 Cuttings 5.5.14**

Work Order: **1405226**

Dear Mark,

ALS Environmental received 1 sample on 06-May-2014 09:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 25.

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

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Environmental ALS

www.alsglobal.com

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Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Cuttings 5.5.14
Work Order: 1405226

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>
1405226-01	Cuttings	Soil		5/5/2014 14:15	5/6/2014 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Cuttings 5.5.14
Work Order: 1405226

Case Narrative

Batch 58343 LCS surrogate recovery for 4-Terphenyl-d14 was above the upper control limit. All spiked analytes were in control. No qualification is needed. The MS/MSD data for PAHs is not related to this project's samples. No data requires qualification.

Batch 58344 MS/MSD data for DRO is not related to this project's samples. No data requires qualification. Sample 1405226-01 DRO surrogate recovery was high due to matrix interference. No data requires qualification.

Batch 58371 MS/MSD data for Hexavalent Chromium is not related to this project's samples. No data requires qualification.

Batch 58372 MS/MSD data for Metals 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: 13-May-14

Client: HRL Compliance Solutions, Inc

Project: WPX GM 23-34 Cuttings 5.5.14

Work Order: 1405226

Sample ID: Cuttings

Lab ID: 1405226-01

Collection Date: 5/5/2014 02:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3541 / 5/7/14	Analyst: IT
DRO (C10-C28)	500		5.9	mg/Kg-dry	1	5/7/2014 07:47 PM
<i>Surr: 4-Terphenyl-d14</i>	183	S	39-133	%REC	1	5/7/2014 07:47 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep: SW5035 / 5/6/14	Analyst: IT
GRO (C6-C10)	ND		3.7	mg/Kg-dry	1	5/7/2014 06:52 AM
<i>Surr: Toluene-d8</i>	116		50-150	%REC	1	5/7/2014 06:52 AM
MERCURY BY CVAA			SW7471		Prep: SW7471 / 5/8/14	Analyst: RH
Mercury	0.066		0.026	mg/Kg-dry	1	5/8/2014 04:50 PM
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	3.3		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Barium	8,500		26	mg/Kg-dry	50	5/10/2014 05:23 PM
Cadmium	ND		1.0	mg/Kg-dry	5	5/9/2014 03:52 PM
Chromium	7.6		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Copper	14		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Lead	12		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Nickel	11		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Selenium	ND		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Silver	ND		2.6	mg/Kg-dry	5	5/9/2014 03:52 PM
Zinc	52		5.2	mg/Kg-dry	5	5/9/2014 03:52 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep: USDA Method 20B / 5/9/14	Analyst: RH
Calcium	73		10	mg/L	20	5/10/2014 07:35 PM
Magnesium	6.9		4.0	mg/L	20	5/10/2014 07:35 PM
Sodium	1,100		4.0	mg/L	20	5/10/2014 07:35 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep: USDA Method 20B / 5/9/14	Analyst: ML
Sodium Adsorption Ratio	32		0.010	none	1	5/10/2014
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep: SW3541 / 5/7/14	Analyst: RM
Acenaphthene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Acenaphthylene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Anthracene	46		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Benzo(a)anthracene	44		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Benzo(a)pyrene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Benzo(b)fluoranthene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Benzo(g,h,i)perylene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Benzo(k)fluoranthene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Chrysene	51		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM

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

ALS Group USA, Corp

Date: 13-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Cuttings 5.5.14
Sample ID: Cuttings
Collection Date: 5/5/2014 02:15 PM

Work Order: 1405226
Lab ID: 1405226-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Fluoranthene	27		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Fluorene	110		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Indeno(1,2,3-cd)pyrene	ND		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Naphthalene	420		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Pyrene	37		9.5	µg/Kg-dry	1	5/9/2014 09:48 PM
Surr: 2-Fluorobiphenyl	84.2		12-100	%REC	1	5/9/2014 09:48 PM
Surr: 4-Terphenyl-d14	90.3		25-137	%REC	1	5/9/2014 09:48 PM
Surr: Nitrobenzene-d5	73.1		37-107	%REC	1	5/9/2014 09:48 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 5/6/14	Analyst: RS
Benzene	ND		44	µg/Kg-dry	1	5/6/2014 10:37 PM
Ethylbenzene	82		44	µg/Kg-dry	1	5/6/2014 10:37 PM
m,p-Xylene	310		88	µg/Kg-dry	1	5/6/2014 10:37 PM
o-Xylene	110		44	µg/Kg-dry	1	5/6/2014 10:37 PM
Toluene	83		44	µg/Kg-dry	1	5/6/2014 10:37 PM
Xylenes, Total	410		130	µg/Kg-dry	1	5/6/2014 10:37 PM
Surr: 1,2-Dichloroethane-d4	99.9		70-130	%REC	1	5/6/2014 10:37 PM
Surr: 4-Bromofluorobenzene	95.9		70-130	%REC	1	5/6/2014 10:37 PM
Surr: Dibromofluoromethane	94.2		70-130	%REC	1	5/6/2014 10:37 PM
Surr: Toluene-d8	98.2		70-130	%REC	1	5/6/2014 10:37 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep: USDA Method 20B / 5/9/14	Analyst: JB
Electrical Conductivity @ Saturation	4.7		0.050	mmhos/cm @25	10	5/12/2014 09:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	6.0		0.73	mg/Kg-dry	1	5/13/2014 08:00 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep: SW3060A / 5/8/14	Analyst: JJ
Chromium, Hexavalent	1.6		0.74	mg/Kg-dry	1	5/8/2014 11:00 AM
MOISTURE			A2540 G			Analyst: AT
Moisture	32		0.050	% of sample	1	5/6/2014 02:52 PM
PH			SW9045D		Prep: EXTRACT / 5/7/14	Analyst: AT
pH	8.8			s.u.	1	5/7/2014 11:57 AM

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58344** Instrument ID **GC8** Method: **SW8015M**

MBLK		Sample ID: DBLKS1-58344-58344				Units: mg/Kg		Analysis Date: 5/7/2014 04:18 PM			
Client ID:		Run ID: GC8_140507A				SeqNo: 2750026		Prep Date: 5/7/2014		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									
<i>Surr: 4-Terphenyl-d14</i>	1.903	0	2	0	95.1	39-133	0				

LCS		Sample ID: DLCSS1-58344-58344				Units: mg/Kg		Analysis Date: 5/7/2014 04:48 PM			
Client ID:		Run ID: GC8_140507A				SeqNo: 2750027		Prep Date: 5/7/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
DRO (C10-C28)	182.6	5.0	200	0	91.3	61-109	0				
<i>Surr: 4-Terphenyl-d14</i>	1.77	0	2	0	88.5	39-133	0				

MS		Sample ID: 1405223-01B MS				Units: mg/Kg		Analysis Date: 5/7/2014 05:18 PM			
Client ID:		Run ID: GC8_140507A				SeqNo: 2750028		Prep Date: 5/7/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
DRO (C10-C28)	707.4	7.9	317	355	111	48-110	0			S	
<i>Surr: 4-Terphenyl-d14</i>	2.865	0	3.17	0	90.4	39-133	0				

MSD		Sample ID: 1405223-01B MSD				Units: mg/Kg		Analysis Date: 5/7/2014 05:48 PM			
Client ID:		Run ID: GC8_140507A				SeqNo: 2750029		Prep Date: 5/7/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
DRO (C10-C28)	794.5	8.0	319.7	355	137	48-110	707.4	11.6	30	S	
<i>Surr: 4-Terphenyl-d14</i>	2.927	0	3.197	0	91.6	39-133	2.865	2.15	30		

The following samples were analyzed in this batch: | 1405226-01B |

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58317** Instrument ID **GC9** Method: **SW8015**

MBLK		Sample ID: MBLK-58317-58317				Units: µg/Kg		Analysis Date: 5/7/2014 01:20 AM		
Client ID:		Run ID: GC9_140506B		SeqNo: 2748384		Prep Date: 5/6/2014		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>	5866	0	5000	0	117	50-150	0			

LCS		Sample ID: LCS-58317-58317				Units: µg/Kg		Analysis Date: 5/7/2014 12:03 PM		
Client ID:		Run ID: GC9_140506B		SeqNo: 2748405		Prep Date: 5/6/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	565100	2,500	500000	0	113	70-130	0			
<i>Surr: Toluene-d8</i>	4760	0	5000	0	95.2	50-150	0			

MS		Sample ID: 14041270-02A MS				Units: µg/Kg		Analysis Date: 5/7/2014 07:18 AM		
Client ID:		Run ID: GC9_140506B		SeqNo: 2748402		Prep Date: 5/6/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	847700	2,500	500000	477000	74.1	70-130	0			
<i>Surr: Toluene-d8</i>	5133	0	5000	0	103	50-150	0			

MSD		Sample ID: 14041270-02A MSD				Units: µg/Kg		Analysis Date: 5/7/2014 07:43 AM		
Client ID:		Run ID: GC9_140506B		SeqNo: 2748404		Prep Date: 5/6/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	974900	2,500	500000	477000	99.6	70-130	847700	14	30	
<i>Surr: Toluene-d8</i>	5282	0	5000	0	106	50-150	5133	2.86	30	

The following samples were analyzed in this batch: 1405226-01A

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58373** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-58373-58373				Units: mg/Kg		Analysis Date: 5/8/2014 03:48 PM		
Client ID:		Run ID: HG1_140508A				SeqNo: 2751738		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00125	0.020								J

LCS		Sample ID: LCS-58373-58373				Units: mg/Kg		Analysis Date: 5/8/2014 03:50 PM		
Client ID:		Run ID: HG1_140508A				SeqNo: 2751739		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1876	0.020	0.1665		0	113	80-120	0		

MS		Sample ID: 1405225-01BMS				Units: mg/Kg		Analysis Date: 5/8/2014 04:52 PM		
Client ID:		Run ID: HG1_140508A				SeqNo: 2751766		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1759	0.016	0.1372	0.03666	101	75-125	0.0408	0	0	

MSD		Sample ID: 1405225-01BMSD				Units: mg/Kg		Analysis Date: 5/8/2014 04:55 PM		
Client ID:		Run ID: HG1_140508A				SeqNo: 2751767		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1881	0.017	0.1382	0.03666	110	75-125	0.1759	6.71	35	

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58372** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-58372-58372				Units: mg/Kg		Analysis Date: 5/8/2014 05:06 PM		
Client ID:		Run ID: ICPMS1_140508A			SeqNo: 2752389		Prep Date: 5/8/2014		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	0.10								
Chromium	0.138	0.25								J
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	0.0224	0.50								J

MBLK		Sample ID: MBLK-58372-58372				Units: mg/Kg		Analysis Date: 5/9/2014 02:29 PM		
Client ID:		Run ID: ICPMS1_140509A			SeqNo: 2753962		Prep Date: 5/8/2014		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	0.10								
Chromium	0.1077	0.25								J
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS		Sample ID: LCS-58372-58372				Units: mg/Kg		Analysis Date: 5/8/2014 05:12 PM		
Client ID:		Run ID: ICPMS1_140508A			SeqNo: 2752391		Prep Date: 5/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.176	0.25	5	0	83.5	80-120	0			
Barium	4.738	0.25	5	0	94.8	80-120	0			
Cadmium	4.492	0.10	5	0	89.8	80-120	0			
Chromium	4.889	0.25	5	0	97.8	80-120	0			
Copper	4.646	0.25	5	0	92.9	80-120	0			
Lead	4.598	0.25	5	0	92	80-120	0			
Nickel	4.716	0.25	5	0	94.3	80-120	0			
Selenium	4.155	0.25	5	0	83.1	80-120	0			
Silver	4.737	0.25	5	0	94.7	80-120	0			
Zinc	4.286	0.50	5	0	85.7	80-120	0			

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58372** Instrument ID **ICPMS1** Method: **SW6020A**

LCS		Sample ID: LCS-58372-58372				Units: mg/Kg		Analysis Date: 5/9/2014 02:35 PM		
Client ID:		Run ID: ICPMS1_140509A			SeqNo: 2753963		Prep Date: 5/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.251	0.25	5	0	85	80-120	0			
Barium	4.69	0.25	5	0	93.8	80-120	0			
Cadmium	4.514	0.10	5	0	90.3	80-120	0			
Chromium	4.831	0.25	5	0	96.6	80-120	0			
Copper	4.562	0.25	5	0	91.2	80-120	0			
Lead	4.602	0.25	5	0	92	80-120	0			
Nickel	4.66	0.25	5	0	93.2	80-120	0			
Selenium	4.258	0.25	5	0	85.2	80-120	0			
Silver	4.576	0.25	5	0	91.5	80-120	0			
Zinc	4.312	0.50	5	0	86.2	80-120	0			

MS		Sample ID: 1405225-01BMS				Units: mg/Kg		Analysis Date: 5/8/2014 09:04 PM		
Client ID:		Run ID: ICPMS1_140508A			SeqNo: 2752439		Prep Date: 5/8/2014		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.47	1.9	7.776	5.498	89.7	75-125	0			
Chromium	20.23	1.9	7.776	11.33	114	75-125	0			
Copper	20.33	1.9	7.776	15.86	57.5	75-125	0			S
Lead	16.77	1.9	7.776	10.07	86.1	75-125	0			
Nickel	19.12	1.9	7.776	12.08	90.5	75-125	0			
Selenium	9.211	1.9	7.776	2.108	91.3	75-125	0			
Silver	6.944	1.9	7.776	0.09226	88.1	75-125	0			
Zinc	51.75	3.9	7.776	43.36	108	75-125	0			O

MS		Sample ID: 1405225-01BMS				Units: mg/Kg		Analysis Date: 5/9/2014 03:29 PM		
Client ID:		Run ID: ICPMS1_140509A			SeqNo: 2754232		Prep Date: 5/8/2014		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	3877	19	7.776	4447	-7330	75-125	0			SO
Cadmium	7.259	7.8	7.776	0.6469	85	75-125	0			J

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58372** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1405225-01BMSD				Units: mg/Kg		Analysis Date: 5/8/2014 09:10 PM		
Client ID:		Run ID: ICPMS1_140508A			SeqNo: 2752440		Prep Date: 5/8/2014		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.03	2.0	7.962	5.498	82	75-125	12.47	3.61	25	
Chromium	21.68	2.0	7.962	11.33	130	75-125	20.23	6.94	25	S
Copper	22.45	2.0	7.962	15.86	82.8	75-125	20.33	9.92	25	
Lead	16.69	2.0	7.962	10.07	83.2	75-125	16.77	0.461	25	
Nickel	19.97	2.0	7.962	12.08	99.1	75-125	19.12	4.35	25	
Selenium	8.583	2.0	7.962	2.108	81.3	75-125	9.211	7.06	25	
Silver	7.138	2.0	7.962	0.09226	88.5	75-125	6.944	2.75	25	
Zinc	54.7	4.0	7.962	43.36	142	75-125	51.75	5.54	25	SO

MSD		Sample ID: 1405225-01BMSD				Units: mg/Kg		Analysis Date: 5/9/2014 03:35 PM		
Client ID:		Run ID: ICPMS1_140509A			SeqNo: 2754233		Prep Date: 5/8/2014		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	4769	20	7.962	4447	4040	75-125	3877	20.6	25	SO
Cadmium	7.675	8.0	7.962	0.6469	88.3	75-125	7.259	0	25	J

The following samples were analyzed in this batch: 1405226-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58426** Instrument ID **ICPMS1** Method: **SW6020A**

DUP		Sample ID: 1405223-01CDUP				Units: mg/L		Analysis Date: 5/10/2014 07:23 PM		
Client ID:		Run ID: ICPMS1_140510A			SeqNo: 2755265		Prep Date: 5/9/2014		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	46.96	10	0	0	0	0-0	50.28	6.83		
Magnesium	27.06	4.0	0	0	0	0-0	30.3	11.3		
Sodium	179.8	4.0	0	0	0	0-0	179.6	0.0779		

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58343** Instrument ID **SVMS7** Method: **SW8270**

MBLK		Sample ID: SBLKS1-58343-58343				Units: µg/Kg		Analysis Date: 5/8/2014 11:26 AM		
Client ID:		Run ID: SVMS7_140508A				SeqNo: 2752928		Prep Date: 5/7/2014		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								
Surr: 2-Fluorobiphenyl	1435	0	1667	0	86.1	12-100	0			
Surr: 4-Terphenyl-d14	2063	0	1667	0	124	25-137	0			
Surr: Nitrobenzene-d5	1109	0	1667	0	66.5	37-107	0			

LCS		Sample ID: SLCSS1-58343-58343				Units: µg/Kg		Analysis Date: 5/8/2014 11:05 AM		
Client ID:		Run ID: SVMS7_140508A				SeqNo: 2752928		Prep Date: 5/7/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	475	6.7	666.7	0	71.2	45-110	0			
Acenaphthylene	492.7	6.7	666.7	0	73.9	45-105	0			
Anthracene	547.7	6.7	666.7	0	82.1	55-105	0			
Benzo(a)anthracene	630	6.7	666.7	0	94.5	50-110	0			
Benzo(a)pyrene	573.7	6.7	666.7	0	86	50-110	0			
Benzo(b)fluoranthene	604.3	6.7	666.7	0	90.6	45-115	0			
Benzo(g,h,i)perylene	578.7	6.7	666.7	0	86.8	40-125	0			
Benzo(k)fluoranthene	688	6.7	666.7	0	103	45-115	0			
Chrysene	609.7	6.7	666.7	0	91.4	55-110	0			
Dibenzo(a,h)anthracene	546.3	6.7	666.7	0	81.9	40-125	0			
Fluoranthene	533.7	6.7	666.7	0	80	55-115	0			
Fluorene	468	6.7	666.7	0	70.2	50-110	0			
Indeno(1,2,3-cd)pyrene	610.3	6.7	666.7	0	91.5	40-120	0			
Naphthalene	486.7	6.7	666.7	0	73	40-105	0			
Pyrene	732.3	6.7	666.7	0	110	45-125	0			
Surr: 2-Fluorobiphenyl	1353	0	1667	0	81.2	12-100	0			
Surr: 4-Terphenyl-d14	2287	0	1667	0	137	25-137	0			S
Surr: Nitrobenzene-d5	1229	0	1667	0	73.7	37-107	0			

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58343** Instrument ID **SVMS7** Method: **SW8270**

MS				Sample ID: 1405223-01B MS			Units: µg/Kg		Analysis Date: 5/8/2014 04:38 PM		
Client ID:		Run ID: SVMS7_140508A		SeqNo: 2752932		Prep Date: 5/7/2014		DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1251	130	1317	0	95	45-110	0				
Acenaphthylene	1093	130	1317	0	83	45-105	0				
Anthracene	954.8	130	1317	0	72.5	55-105	0				
Benzo(a)anthracene	1133	130	1317	0	86	50-110	0				
Benzo(a)pyrene	842.9	130	1317	0	64	50-110	0				
Benzo(b)fluoranthene	1205	130	1317	0	91.5	45-115	0				
Benzo(g,h,i)perylene	994.3	130	1317	0	75.5	40-125	0				
Benzo(k)fluoranthene	1001	130	1317	0	76	45-115	0				
Chrysene	1021	130	1317	0	77.5	55-110	0				
Dibenzo(a,h)anthracene	1047	130	1317	0	79.5	40-125	0				
Fluoranthene	889	130	1317	0	67.5	55-115	0				
Fluorene	1231	130	1317	0	93.5	50-110	0				
Indeno(1,2,3-cd)pyrene	1008	130	1317	0	76.5	40-120	0				
Naphthalene	1745	130	1317	545.8	91.1	40-105	0				
Pyrene	1047	130	1317	0	79.5	45-125	0				
Surr: 2-Fluorobiphenyl	2542	0	3293	0	77.2	12-100	0				
Surr: 4-Terphenyl-d14	3036	0	3293	0	92.2	25-137	0				
Surr: Nitrobenzene-d5	2601	0	3293	0	79	37-107	0				

MSD				Sample ID: 1405223-01B MSD			Units: µg/Kg		Analysis Date: 5/8/2014 05:01 PM		
Client ID:		Run ID: SVMS7_140508A		SeqNo: 2752934		Prep Date: 5/7/2014		DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1225	130	1303	0	94	45-110	1251	2.11	30		
Acenaphthylene	775.4	130	1303	0	59.5	45-105	1093	34	30	R	
Anthracene	794.9	130	1303	0	61	55-105	954.8	18.3	30		
Benzo(a)anthracene	1179	130	1303	0	90.5	50-110	1133	4.05	30		
Benzo(a)pyrene	899.2	130	1303	0	69	50-110	842.9	6.47	30		
Benzo(b)fluoranthene	1310	130	1303	0	100	45-115	1205	8.32	30		
Benzo(g,h,i)perylene	729.8	130	1303	0	56	40-125	994.3	30.7	30	R	
Benzo(k)fluoranthene	983.9	130	1303	0	75.5	45-115	1001	1.71	30		
Chrysene	853.6	130	1303	0	65.5	55-110	1021	17.8	30		
Dibenzo(a,h)anthracene	794.9	130	1303	0	61	40-125	1047	27.4	30		
Fluoranthene	912.2	130	1303	0	70	55-115	889	2.58	30		
Fluorene	1218	130	1303	0	93.5	50-110	1231	1.05	30		
Indeno(1,2,3-cd)pyrene	827.5	130	1303	0	63.5	40-120	1008	19.6	30		
Naphthalene	1486	130	1303	545.8	72.1	40-105	1745	16.1	30		
Pyrene	944.8	130	1303	0	72.5	45-125	1047	10.3	30		
Surr: 2-Fluorobiphenyl	2053	0	3258	0	63	12-100	2542	21.3	40		
Surr: 4-Terphenyl-d14	2958	0	3258	0	90.8	25-137	3036	2.58	40		
Surr: Nitrobenzene-d5	2463	0	3258	0	75.6	37-107	2601	5.45	40		

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

Client: HRL Compliance Solutions, Inc

Work Order: 1405226

Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58343**

Instrument ID **SVMS7**

Method: **SW8270**

The following samples were analyzed in this batch:

1405226-01B

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58297** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: MBLK-58297-58297			Units: µg/Kg			Analysis Date: 5/6/2014 04:32 PM		
Client ID:		Run ID: VMS6_140506A			SeqNo: 2748634		Prep Date: 5/6/2014		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>	991	0	1000	0	99.1	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1006	0	1000	0	101	70-130	0			
<i>Surr: Dibromofluoromethane</i>	947	0	1000	0	94.7	70-130	0			
<i>Surr: Toluene-d8</i>	986.5	0	1000	0	98.6	70-130	0			

LCS		Sample ID: LCS-58297-58297			Units: µg/Kg			Analysis Date: 5/6/2014 03:15 PM		
Client ID:		Run ID: VMS6_140506A			SeqNo: 2748633		Prep Date: 5/6/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	985	30	1000	0	98.5	75-125	0			
Ethylbenzene	1002	30	1000	0	100	75-125	0			
m,p-Xylene	1994	60	2000	0	99.7	80-125	0			
o-Xylene	989.5	30	1000	0	99	75-125	0			
Toluene	977.5	30	1000	0	97.8	70-125	0			
Xylenes, Total	2984	90	3000	0	99.4	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	946	0	1000	0	94.6	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	994.5	0	1000	0	99.4	70-130	0			
<i>Surr: Dibromofluoromethane</i>	967.5	0	1000	0	96.8	70-130	0			
<i>Surr: Toluene-d8</i>	987	0	1000	0	98.7	70-130	0			

MS		Sample ID: 1405146-21A MS			Units: µg/Kg			Analysis Date: 5/7/2014 09:50 AM		
Client ID:		Run ID: VMS7_140506B			SeqNo: 2749098		Prep Date: 5/6/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	965	30	1000	0	96.5	75-125	0			
Ethylbenzene	979	30	1000	0	97.9	75-125	0			
m,p-Xylene	1973	60	2000	0	98.6	80-125	0			
o-Xylene	982	30	1000	0	98.2	75-125	0			
Toluene	975.5	30	1000	0	97.6	70-125	0			
Xylenes, Total	2955	90	3000	0	98.5	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	1003	0	1000	0	100	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1009	0	1000	0	101	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1000	0	1000	0	100	70-130	0			
<i>Surr: Toluene-d8</i>	1034	0	1000	0	103	70-130	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58297** Instrument ID **VMS6** Method: **SW8260B**

MSD		Sample ID: 1405146-21A MSD				Units: µg/Kg		Analysis Date: 5/7/2014 10:15 AM		
Client ID:		Run ID: VMS7_140506B			SeqNo: 2749099		Prep Date: 5/6/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	941.5	30	1000	0	94.2	75-125	965	2.47	30	
Ethylbenzene	974.5	30	1000	0	97.4	75-125	979	0.461	30	
m,p-Xylene	1954	60	2000	0	97.7	80-125	1973	0.968	30	
o-Xylene	962	30	1000	0	96.2	75-125	982	2.06	30	
Toluene	970	30	1000	0	97	70-125	975.5	0.565	30	
Xylenes, Total	2916	90	3000	0	97.2	75-125	2955	1.33	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1008</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>1003</i>	<i>0.547</i>	<i>30</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>1004</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>1009</i>	<i>0.497</i>	<i>30</i>	
<i>Surr: Dibromofluoromethane</i>	<i>956</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>95.6</i>	<i>70-130</i>	<i>1000</i>	<i>4.5</i>	<i>30</i>	
<i>Surr: Toluene-d8</i>	<i>1008</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>1034</i>	<i>2.59</i>	<i>30</i>	

The following samples were analyzed in this batch: | 1405226-01A |

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58360** Instrument ID **WETCHEM** Method: **SW9045D**

LCS	Sample ID: LCS-58360-58360		Units: s.u.		Analysis Date: 5/7/2014 11:57 AM					
Client ID:	Run ID: WETCHEM_140507N		SeqNo: 2749777		Prep Date: 5/7/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 4.05 0 4 0 101 90-110 0

DUP	Sample ID: 1405208-01B DUP		Units: s.u.		Analysis Date: 5/7/2014 11:57 AM					
Client ID:	Run ID: WETCHEM_140507N		SeqNo: 2749782		Prep Date: 5/7/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 7.99 0 0 0 0 0-0 8 0.125 20

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405226
 Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58371** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-58371-58371		Units: mg/Kg		Analysis Date: 5/8/2014 11:00 AM					
Client ID:	Run ID: WETCHEM_140508I		SeqNo: 2751112		Prep Date: 5/8/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.49

LCS	Sample ID: LCS-58371-58371		Units: mg/Kg		Analysis Date: 5/8/2014 11:00 AM					
Client ID:	Run ID: WETCHEM_140508I		SeqNo: 2751113		Prep Date: 5/8/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.92 0.50 2.008 0 95.6 80-120 0

MS	Sample ID: 1405286-11BMS		Units: mg/Kg		Analysis Date: 5/8/2014 11:00 AM					
Client ID:	Run ID: WETCHEM_140508I		SeqNo: 2751128		Prep Date: 5/8/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.743 0.50 2.008 0.08097 33 75-125 0 S

MS	Sample ID: 1405286-11BMSI		Units: mg/Kg		Analysis Date: 5/8/2014 11:00 AM					
Client ID:	Run ID: WETCHEM_140508I		SeqNo: 2751130		Prep Date: 5/8/2014 DF: 100					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1540 51 1557 0.08097 99 75-125 0

MSD	Sample ID: 1405286-11BMSD		Units: mg/Kg		Analysis Date: 5/8/2014 11:00 AM					
Client ID:	Run ID: WETCHEM_140508I		SeqNo: 2751129		Prep Date: 5/8/2014 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.7857 0.50 1.984 0.08097 35.5 75-125 0.743 5.59 20 S

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **58426** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP	Sample ID: 1405223-01C DUP		Units: mmhos/cm @25°C		Analysis Date: 5/12/2014 09:00 AM					
Client ID:	Run ID: WETCHEM_140512B		SeqNo: 2754783		Prep Date: 5/9/2014 DF: 10					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.31	0.050	0	0	0		1.436	9.18	50	

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405226
Project: WPX GM 23-34 Cuttings 5.5.14

QC BATCH REPORT

Batch ID: **R140298** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS-R140298				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B			SeqNo: 2748683		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-R140298				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B			SeqNo: 2748682		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: 1405208-01B DUP				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B			SeqNo: 2748645		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 29.7 0.050 0 0 0 0-0 27.87 6.36 20

DUP	Sample ID: 1405223-01B DUP				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B			SeqNo: 2748678		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.3 0.050 0 0 0 0-0 11.05 2.24 20

The following samples were analyzed in this batch: 1405226-01B

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



ALS Laboratory Group

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Chain-of-Custody

Form 2026

WORKORDER #	1405226
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PROJECT NAME	WPX GM 23-34	SAMPLER	Reed Wold					DATE	5/16/14	PAGE	1 of 1
PROJECT No.	GM 23-34 Cuttings	SITE ID	GM 23-34					TURNAROUND	Standard	DISPOSAL	By Lab or Return to Client
COMPANY NAME	HRL Compliance	EDD FORMAT						BTFY/KLO DR. P. H. H. M. G. S. SARIE/PH			
SEND REPORT TO	Mark Mumby	PURCHASE ORDER									
ADDRESS	2386 F 1/2 Rd	BILL TO COMPANY	UPX								
CITY/STATE/ZIP	Grand Junction, CO 81506	INVOICE ATTN TO	Karoline Blaney								
PHONE	970-243-3271	ADDRESS									
FAX	970-243-3280	CITY/STATE/ZIP									
E-MAIL	mmumby@hrlcomp.com rwold@hrlcomp.com	PHONE									
E-MAIL		FAX									
E-MAIL		E-MAIL									
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC				
L	Cuttings	SO	5/15/14	2:15	3	8	X X X				

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

For metals or anions, please detail analytes below.

Comments: 4.8'	QC PACKAGE (check below)	
	<input checked="" type="checkbox"/>	LEVEL II (Standard QC)
	<input type="checkbox"/>	LEVEL III (Std QC + forms)
	<input type="checkbox"/>	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 9-6035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Reed Wold	5/15/14	8:30
RECEIVED BY		N. M.	5-5-14	3:20
RELINQUISHED BY		N. Martinez	5-5-14	3:30
RECEIVED BY		Diane Shaw	5/16/14	09:30
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **06-May-14 09:30**

Work Order: **1405226**

Received by: **DS**

Checklist completed by Diane Shaw 06-May-14
eSignature Date

Reviewed by: Ann Preston 07-May-14
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 checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="4.8 c"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="5/6/2014 2:29:31 PM"/>		
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:	<input type="text"/>		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

From: (816) 399-8870
Sample Receiving
ALS Laboratory Group
3352 128th Avenue
Holland, MI 49424

Origin ID: GRRR



Ship Date: 05MAY14
Act Wgt: 70.0 LB
CAD: 22648408NET3490
Dims: 24 X 15 X 15 IN

Delivery Address Bar Code



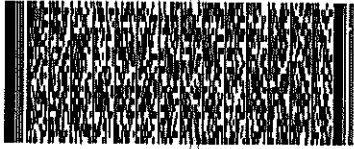
SHIP TO: (816) 399-8870
sample receiving
ALS Laboratory Group
3352 128TH AVE
HOLLAND, MI 49424

BILL SENDER

Ref # 050514-1
Invoice #
PD # Parachute
Dept #

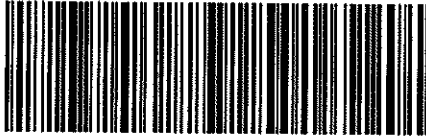
TUE - 06 MAY AA
STANDARD OVERNIGHT

TRK# 7987 5976 1630
0201



68 GRRR

49424
MI-US
GRR



0270162034720

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.

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ALS Parachute Custody Seal

Name: *W. M. K. W.*

Time: *1:00*

Date: *5-5-14*



12-May-2014

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

Re: **WPX GM 23-34 Backgrounds 5.5.14**

Work Order: **1405221**

Dear Mark,

ALS Environmental received 5 samples on 06-May-2014 09:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 13.

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 ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Work Order: 1405221

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>
1405221-01	GM23-34-B-1	Soil		5/5/2014 14:30	5/6/2014 09:30	<input type="checkbox"/>
1405221-02	GM23-34-B-2	Soil		5/5/2014 14:35	5/6/2014 09:30	<input type="checkbox"/>
1405221-03	GM23-34-B-3	Soil		5/5/2014 14:40	5/6/2014 09:30	<input type="checkbox"/>
1405221-04	GM23-34-B-4	Soil		5/5/2014 14:45	5/6/2014 09:30	<input type="checkbox"/>
1405221-05	GM23-34-B-5	Soil		5/5/2014 14:50	5/6/2014 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
WorkOrder: 1405221

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Group USA, Corp

Date: 12-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Sample ID: GM23-34-B-1
Collection Date: 5/5/2014 02:30 PM

Work Order: 1405221
Lab ID: 1405221-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	15		1.9	mg/Kg-dry	5	5/8/2014 08:23 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	3.9		0.050	% of sample	1	5/6/2014 02:52 PM

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

ALS Group USA, Corp

Date: 12-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Sample ID: GM23-34-B-2
Collection Date: 5/5/2014 02:35 PM

Work Order: 1405221
Lab ID: 1405221-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	6.9		2.0	mg/Kg-dry	5	5/8/2014 08:29 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	0.44		0.050	% of sample	1	5/6/2014 02:52 PM

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

ALS Group USA, Corp

Date: 12-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Sample ID: GM23-34-B-3
Collection Date: 5/5/2014 02:40 PM

Work Order: 1405221
Lab ID: 1405221-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	8.9		2.0	mg/Kg-dry	5	5/8/2014 08:35 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	2.9		0.050	% of sample	1	5/6/2014 02:52 PM

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

ALS Group USA, Corp

Date: 12-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Sample ID: GM23-34-B-4
Collection Date: 5/5/2014 02:45 PM

Work Order: 1405221
Lab ID: 1405221-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	8.7		2.1	mg/Kg-dry	5	5/8/2014 08:40 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	4.8		0.050	% of sample	1	5/6/2014 02:52 PM

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

ALS Group USA, Corp

Date: 12-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX GM 23-34 Backgrounds 5.5.14
Sample ID: GM23-34-B-5
Collection Date: 5/5/2014 02:50 PM

Work Order: 1405221
Lab ID: 1405221-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/8/14	Analyst: ML
Arsenic	6.9		2.3	mg/Kg-dry	5	5/8/2014 08:46 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	12		0.050	% of sample	1	5/6/2014 02:52 PM

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

Client: HRL Compliance Solutions, Inc
Work Order: 1405221
Project: WPX GM 23-34 Backgrounds 5.5.14

QC BATCH REPORT

Batch ID: **58372** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-58372-58372				Units: mg/Kg		Analysis Date: 5/8/2014 05:06 PM		
Client ID:		Run ID: ICPMS1_140508A				SeqNo: 2752389		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								

MBLK		Sample ID: MBLK-58372-58372				Units: mg/Kg		Analysis Date: 5/9/2014 02:29 PM		
Client ID:		Run ID: ICPMS1_140509A				SeqNo: 2753962		Prep Date: 5/8/2014		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-58372-58372				Units: mg/Kg		Analysis Date: 5/8/2014 05:12 PM		
Client ID:		Run ID: ICPMS1_140508A				SeqNo: 2752391		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.176	0.25	5	0	83.5	80-120	0			

LCS		Sample ID: LCS-58372-58372				Units: mg/Kg		Analysis Date: 5/9/2014 02:35 PM		
Client ID:		Run ID: ICPMS1_140509A				SeqNo: 2753963		Prep Date: 5/8/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.251	0.25	5	0	85	80-120	0			

MS		Sample ID: 1405225-01BMS				Units: mg/Kg		Analysis Date: 5/8/2014 09:04 PM		
Client ID:		Run ID: ICPMS1_140508A				SeqNo: 2752439		Prep Date: 5/8/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.47	1.9	7.776	5.498	89.7	75-125	0			

MSD		Sample ID: 1405225-01BMSD				Units: mg/Kg		Analysis Date: 5/8/2014 09:10 PM		
Client ID:		Run ID: ICPMS1_140508A				SeqNo: 2752440		Prep Date: 5/8/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.03	2.0	7.962	5.498	82	75-125	12.47	3.61	25	

The following samples were analyzed in this batch:

1405221-01A	1405221-02A	1405221-03A
1405221-04A	1405221-05A	

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1405221
 Project: WPX GM 23-34 Backgrounds 5.5.14

QC BATCH REPORT

Batch ID: **R140298** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS-R140298				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B				SeqNo: 2748683		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-R140298				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B				SeqNo: 2748682		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: 1405208-01B DUP				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B				SeqNo: 2748645		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 29.7 0.050 0 0 0 0-0 27.87 6.36 20

DUP	Sample ID: 1405223-01B DUP				Units: % of sample			Analysis Date: 5/6/2014 02:52 PM		
Client ID:	Run ID: MOIST_140506B				SeqNo: 2748678		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.3 0.050 0 0 0 0-0 11.05 2.24 20

The following samples were analyzed in this batch:

1405221-01A	1405221-02A	1405221-03A
1405221-04A	1405221-05A	

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



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 2026

WORKORDER #	1405221
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PROJECT NAME	WPX GM 23-34	SAMPLER	Reed Wold	DATE	5/6/14	PAGE	1 of 1
PROJECT No.	Backgrounds	SITE ID	GM 23-34	TURNAROUND	Standard	DISPOSAL	By Lab or Return to Client
COMPANY NAME	HRL Compliance	EDD FORMAT					
SEND REPORT TO	Mark Mumby	PURCHASE ORDER					
ADDRESS	2385 F 1/2 Rd	BILL TO COMPANY	WPX				
CITY/STATE/ZIP	Grand Junction, CO 81506	INVOICE ATTN TO	Karoline Blaney				
PHONE	970-243-3271	ADDRESS					
FAX	970-243-3280	CITY/STATE/ZIP					
E-MAIL	mmumby@hrlcomp.com rwold@hrlcomp.com	PHONE					
		FAX					
		E-MAIL					

Asenic

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
1	GM 23-34-B-1	SO	5/6/14	2:30	1	8	X
2	GM 23-34-B-2			2:35	1		X
3	GM 23-34-B-3			2:40	1		X
4	GM 23-34-B-4			2:45	1		X
5	GM 23-34-B-5			2:50	1		X

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

For metals or anions, please detail analytes below.

Comments: 4.8% <i>[Signature]</i>	QC PACKAGE (check below)
	<input checked="" type="checkbox"/> LEVEL II (Standard QC)
	<input type="checkbox"/> LEVEL III (Std QC + forms)
	<input type="checkbox"/> 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	<i>[Signature]</i>	Reed Wold	5/6/14	3:30
RECEIVED BY	<i>[Signature]</i>	N.M.	5-5-14	3:30
RELINQUISHED BY	<i>[Signature]</i>	N.M.	5-5-14	3:35
RECEIVED BY	<i>[Signature]</i>	Diane F Shaw	5/6/14	0930
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **06-May-14 09:30**

Work Order: **1405221**

Received by: **DS**

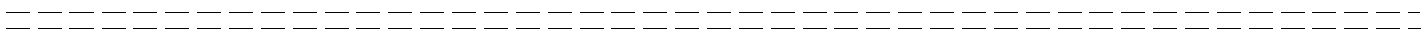
Checklist completed by Diane Shaw 06-May-14
eSignature Date

Reviewed by: Ann Preston 07-May-14
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 checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="4.8 c"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="5/6/2014 2:22:00 PM"/>		
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:	<input type="text"/>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:

From: (616) 399-6870
Sample Receiving
ALS Laboratory Group
3352 128th Avenue
Holland, MI 49424

Origin ID: GRRR



Ship Date: 05MAY14
ActWgt: 70.0 LB
CAD: 2264840/NET3490

Dims: 24 X 15 X 15 IN

SHIP TO: (616) 399-6870
sample receiving
ALS Laboratory Group
3352 128TH AVE
HOLLAND, MI 49424

BILL BENDER

Delivery Address Bar Code



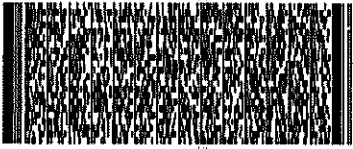
Ref # 050514-1
Invoice #
PO # Parachute
Dept #

TUE - 06 MAY AA
STANDARD OVERNIGHT

TRK# 7987 5976 1630
6261

68 GRRR

49424
MI-US
GRR



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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 5-5-14

Time 11:00 AM

Name A. M. K. K. K.