



13-Aug-2014

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

Re: **WPX RMV 48-35 Land Farm 8.7.14**

Work Order: **1408370**

Dear Mark,

ALS Environmental received 1 sample on 08-Aug-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 23.

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 The ALS logo, a stylized blue triangle with a yellow flame inside.

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**Client:** HRL Compliance Solutions, Inc  
**Project:** WPX RMV 48-35 Land Farm 8.7.14  
**Work Order:** 1408370

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**Work Order Sample Summary**

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<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>
1408370-01	Land Farm	Soil		8/7/2014 12:00	8/8/2014 09:30	<input type="checkbox"/>

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**Client:** HRL Compliance Solutions, Inc  
**Project:** WPX RMV 48-35 Land Farm 8.7.14  
**Work Order:** 1408370

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**Case Narrative**

Batch 61460 MS/MSD data for DRO is not related to this project's samples. No data requires qualification.

Batch 61480 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

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

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

<b><u>Units Reported</u></b>	<b><u>Description</u></b>
% 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-Aug-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** WPX RMV 48-35 Land Farm 8.7.14  
**Sample ID:** Land Farm  
**Collection Date:** 8/7/2014 12:00 PM

**Work Order:** 1408370  
**Lab ID:** 1408370-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>25</b>		<b>SW8015M</b>		Prep: SW3541 / 8/8/14	Analyst: <b>IT</b>
Surr: 4-Terphenyl-d14	68.6		5.1	mg/Kg-dry	1	8/9/2014 04:05 AM
			39-133	%REC	1	8/9/2014 04:05 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>SW8015</b>		Prep: SW5035 / 8/8/14	Analyst: <b>IT</b>
Surr: Toluene-d8	123		3.0	mg/Kg-dry	1	8/8/2014 08:09 PM
			50-150	%REC	1	8/8/2014 08:09 PM
<b>MERCURY BY CVAA</b>						
Mercury	ND		<b>SW7471</b>		Prep: SW7471 / 8/11/14	Analyst: <b>LR</b>
			0.016	mg/Kg-dry	1	8/11/2014 07:07 PM
<b>METALS BY ICP-MS</b>						
<b>Arsenic</b>	<b>5.2</b>		<b>SW6020A</b>		Prep: SW3050B / 8/8/14	Analyst: <b>ML</b>
Barium	410		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Cadmium	ND		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Chromium	18		0.80	mg/Kg-dry	5	8/9/2014 08:43 PM
Copper	13		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Lead	11		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Nickel	20		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Selenium	ND		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Silver	ND		2.0	mg/Kg-dry	5	8/9/2014 08:43 PM
Zinc	44		4.0	mg/Kg-dry	5	8/9/2014 08:43 PM
<b>SOLUBLE CATIONS FOR SAR</b>						
<b>Calcium</b>	<b>180</b>		<b>SW6020A</b>		Prep: USDA Method 20B / 8/12/14	Analyst: <b>RH</b>
Magnesium	71		10	mg/L	20	8/13/2014 02:08 PM
Sodium	1,100		4.0	mg/L	20	8/13/2014 02:08 PM
<b>SODIUM ADSORPTION RATIO</b>						
<b>Sodium Adsorption Ratio</b>	<b>17</b>		<b>USDA H60 METHOD</b>		Prep: USDA Method 20B / 8/12/14	Analyst: <b>RH</b>
			0.010	none	1	8/13/2014
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>						
<b>Acenaphthene</b>	<b>ND</b>		<b>SW846 8270D</b>		Prep: SW3541 / 8/8/14	Analyst: <b>RM</b>
Acenaphthylene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Anthracene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Benzo(a)anthracene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Benzo(a)pyrene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Benzo(b)fluoranthene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Benzo(g,h,i)perylene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Benzo(k)fluoranthene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Chrysene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM

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

# ALS Group USA, Corp

Date: 13-Aug-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** WPX RMV 48-35 Land Farm 8.7.14  
**Sample ID:** Land Farm  
**Collection Date:** 8/7/2014 12:00 PM

**Work Order:** 1408370  
**Lab ID:** 1408370-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Fluoranthene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Fluorene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Indeno(1,2,3-cd)pyrene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Naphthalene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Pyrene	ND		8.1	µg/Kg-dry	1	8/11/2014 11:15 PM
Surr: 2-Fluorobiphenyl	66.5		12-100	%REC	1	8/11/2014 11:15 PM
Surr: 4-Terphenyl-d14	90.6		25-137	%REC	1	8/11/2014 11:15 PM
Surr: Nitrobenzene-d5	62.9		37-107	%REC	1	8/11/2014 11:15 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>	Prep: SW5035 / 8/8/14		Analyst: <b>RS</b>
Benzene	ND		37	µg/Kg-dry	1	8/9/2014 04:25 PM
Ethylbenzene	ND		37	µg/Kg-dry	1	8/9/2014 04:25 PM
<b>m,p-Xylene</b>	<b>130</b>		<b>73</b>	<b>µg/Kg-dry</b>	1	8/9/2014 04:25 PM
<b>o-Xylene</b>	<b>40</b>		<b>37</b>	<b>µg/Kg-dry</b>	1	8/9/2014 04:25 PM
Toluene	ND		37	µg/Kg-dry	1	8/9/2014 04:25 PM
<b>Xylenes, Total</b>	<b>160</b>		<b>110</b>	<b>µg/Kg-dry</b>	1	8/9/2014 04:25 PM
Surr: 1,2-Dichloroethane-d4	94.4		70-130	%REC	1	8/9/2014 04:25 PM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	8/9/2014 04:25 PM
Surr: Dibromofluoromethane	89.4		70-130	%REC	1	8/9/2014 04:25 PM
Surr: Toluene-d8	99.6		70-130	%REC	1	8/9/2014 04:25 PM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHOD</b>	Prep: USDA Method 20B / 8/12/14		Analyst: <b>JB</b>
<b>Electrical Conductivity @ Saturation</b>	<b>8.0</b>		<b>0.050</b>	<b>mmhos/cm @25</b>	10	8/12/2014 12:00 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>EE</b>
<b>Chromium, Trivalent</b>	<b>18</b>		<b>0.61</b>	<b>mg/Kg-dry</b>	1	8/11/2014 02:25 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>	Prep: SW3060A / 8/11/14		Analyst: <b>JI</b>
<b>Chromium, Hexavalent</b>	ND		0.59	mg/Kg-dry	1	8/11/2014 01:30 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
<b>Moisture</b>	<b>18</b>		<b>0.050</b>	<b>% of sample</b>	1	8/8/2014 04:57 PM
<b>PH</b>			<b>SW9045D</b>	Prep: EXTRACT / 8/11/14		Analyst: <b>TM</b>
<b>pH</b>	<b>8.3</b>			<b>s.u.</b>	1	8/11/2014 11:45 AM

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

# ALS Group USA, Corp

Date: 13-Aug-14

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61460** Instrument ID **GC8** Method: **SW8015M**

<b>MBLK</b>		Sample ID: <b>DBLKS1-61460-61460</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/8/2014 10:07 PM</b>		
Client ID:		Run ID: <b>GC8_140808B</b>				SeqNo: <b>2883943</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	1.21	0	1.667	0	72.6	39-133	0			

<b>LCS</b>		Sample ID: <b>DLCSS1-61460-61460</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/8/2014 10:33 PM</b>		
Client ID:		Run ID: <b>GC8_140808B</b>				SeqNo: <b>2883944</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	127.2	4.2	166.7	0	76.3	61-109	0			
Surr: 4-Terphenyl-d14	1.106	0	1.667	0	66.4	39-133	0			

<b>MS</b>		Sample ID: <b>1408177-02B MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/8/2014 10:58 PM</b>		
Client ID:		Run ID: <b>GC8_140808B</b>				SeqNo: <b>2883945</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	225.3	8.0	319.8	225	0.105	48-110	0			S
Surr: 4-Terphenyl-d14	2.061	0	3.198	0	64.5	39-133	0			

<b>MSD</b>		Sample ID: <b>1408177-02B MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/8/2014 11:24 PM</b>		
Client ID:		Run ID: <b>GC8_140808B</b>				SeqNo: <b>2883946</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	464.5	7.9	314.9	225	76	48-110	225.3	69.3	30	R
Surr: 4-Terphenyl-d14	2.109	0	3.149	0	67	39-133	2.061	2.31	30	

The following samples were analyzed in this batch: 1408370-01B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61502**      Instrument ID **GC9**      Method: **SW8015**

<b>MBLK</b>		Sample ID: <b>MBLK-61502-61502</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/8/2014 03:29 PM</b>		
Client ID:		Run ID: <b>GC9_140808A</b>				SeqNo: <b>2884018</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
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>	5034	0	5000	0	101	50-150	0			

<b>LCS</b>		Sample ID: <b>LCS-61502-61502</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/8/2014 03:04 PM</b>		
Client ID:		Run ID: <b>GC9_140808A</b>				SeqNo: <b>2884017</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	513100	2,500	500000	0	103	70-130	0			
<i>Surr: Toluene-d8</i>	4390	0	5000	0	87.8	50-150	0			

<b>MS</b>		Sample ID: <b>1408368-01A MS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/8/2014 06:01 PM</b>		
Client ID:		Run ID: <b>GC9_140808A</b>				SeqNo: <b>2884021</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	420900	2,500	500000	0	84.2	70-130	0			
<i>Surr: Toluene-d8</i>	3694	0	5000	0	73.9	50-150	0			

<b>MSD</b>		Sample ID: <b>1408368-01A MSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/8/2014 06:27 PM</b>		
Client ID:		Run ID: <b>GC9_140808A</b>				SeqNo: <b>2884022</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	526000	2,500	500000	0	105	70-130	420900	22.2	30	
<i>Surr: Toluene-d8</i>	4442	0	5000	0	88.8	50-150	3694	18.4	30	

The following samples were analyzed in this batch:

1408370-01A

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



**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61511** Instrument ID **HG1** Method: **SW7471**

<b>MBLK</b>		Sample ID: <b>MBLK-61511-61511</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 05:58 PM</b>		
Client ID:		Run ID: <b>HG1_140811A</b>				SeqNo: <b>2884854</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00125	0.020								J

<b>LCS</b>		Sample ID: <b>LCS-61511-61511</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 06:00 PM</b>		
Client ID:		Run ID: <b>HG1_140811A</b>				SeqNo: <b>2884866</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1889	0.020	0.1665	0	113	80-120	0			

<b>MS</b>		Sample ID: <b>1408171-02AMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 06:05 PM</b>		
Client ID:		Run ID: <b>HG1_140811A</b>				SeqNo: <b>2884868</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1225	0.012	0.1029	0.001342	118	75-125	0			

<b>MSD</b>		Sample ID: <b>1408171-02AMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 06:07 PM</b>		
Client ID:		Run ID: <b>HG1_140811A</b>				SeqNo: <b>2884870</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1248	0.013	0.1053	0.001342	117	75-125	0.1225	1.87	35	

The following samples were analyzed in this batch:

1408370-01B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61480** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK				Sample ID: MBLK-61480-61480				Units:mg/Kg		Analysis Date: 8/11/2014 03:09 AM	
Client ID:			Run ID: ICPMS1_140810A			SeqNo:2883583		Prep Date: 8/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	0.03906	0.25								J	
Barium	ND	0.25									
Cadmium	ND	0.10									
Chromium	ND	0.25									
Copper	ND	0.25									
Lead	ND	0.25									
Nickel	ND	0.25									
Selenium	ND	0.25									
Silver	ND	0.25									
Zinc	0.03435	0.50								J	

LCS				Sample ID: LCS-61480-61480				Units:mg/Kg			Analysis Date: 8/11/2014 03:15 AM			
Client ID:				Run ID: ICPMS1_140810A				SeqNo:2883584			Prep Date: 8/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Arsenic	4.612	0.25	5	0	92.2	80-120	0							
Barium	4.853	0.25	5	0	97.1	80-120	0							
Cadmium	4.829	0.10	5	0	96.6	80-120	0							
Chromium	5.035	0.25	5	0	101	80-120	0							
Copper	4.783	0.25	5	0	95.7	80-120	0							
Lead	4.801	0.25	5	0	96	80-120	0							
Nickel	4.857	0.25	5	0	97.1	80-120	0							
Selenium	4.73	0.25	5	0	94.6	80-120	0							
Silver	4.885	0.25	5	0	97.7	80-120	0							
Zinc	4.898	0.50	5	0	98	80-120	0							

MS					Sample ID: 1408253-09AMS		Units:mg/Kg		Analysis Date: 8/11/2014 03:27 AM		
Client ID:			Run ID: ICPMS1_140810A			SeqNo:2883586		Prep Date: 8/8/2014		DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	8.414	1.4	6.897	2.695	82.9	75-125	0				
Barium	17.69	1.4	6.897	10.25	108	75-125	0				
Cadmium	6.712	0.55	6.897	0.2966	93	75-125	0				
Chromium	10.46	1.4	6.897	2.885	110	75-125	0				
Copper	10.51	1.4	6.897	4.32	89.7	75-125	0				
Lead	21.96	1.4	6.897	16.86	73.9	75-125	0			S	
Nickel	8.764	1.4	6.897	2.036	97.6	75-125	0				
Selenium	6.703	1.4	6.897	0.789	85.8	75-125	0				
Silver	6.37	1.4	6.897	0.03289	91.9	75-125	0				
Zinc	49.71	2.8	6.897	42.13	110	75-125	0			O	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61480** Instrument ID **ICPMS1** Method: **SW6020A**

MSD				Sample ID: 1408253-09AMSD				Units: mg/Kg		Analysis Date: 8/9/2014 06:32 PM	
Client ID:				Run ID: ICPMS1_140808A				SeqNo: 2883049		Prep Date: 8/8/2014	
										DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	9.843	1.4	6.993	3.16	95.6	75-125	9.112	7.72	25		
Barium	20.83	1.4	6.993	11.21	138	75-125	19.92	4.46	25	S	
Cadmium	7.801	0.56	6.993	0.2947	107	75-125	7.098	9.44	25		
Chromium	12.3	1.4	6.993	2.663	138	75-125	9.807	22.6	25	S	
Copper	12.64	1.4	6.993	4.508	116	75-125	10.44	19.1	25		
Lead	26.81	1.4	6.993	18.09	125	75-125	23.64	12.6	25		
Nickel	10.53	1.4	6.993	1.921	123	75-125	8.579	20.5	25		
Selenium	8.05	1.4	6.993	0.4882	108	75-125	7.101	12.5	25		
Silver	7.315	1.4	6.993	0.03289	104	75-125	6.64	9.67	25		
Zinc	61.09	2.8	6.993	41.32	283	75-125	47.97	24.1	25	SO	

MSD				Sample ID: 1408253-09AMSD				Units: mg/Kg		Analysis Date: 8/11/2014 03:34 AM	
Client ID:				Run ID: ICPMS1_140810A				SeqNo: 2883587		Prep Date: 8/8/2014	
										DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	9.116	1.4	6.993	2.695	91.8	75-125	8.414	8.01	25		
Barium	18.43	1.4	6.993	10.25	117	75-125	17.69	4.11	25		
Cadmium	7.021	0.56	6.993	0.2966	96.2	75-125	6.712	4.5	25		
Chromium	10.79	1.4	6.993	2.885	113	75-125	10.46	3.19	25		
Copper	10.91	1.4	6.993	4.32	94.2	75-125	10.51	3.75	25		
Lead	24.65	1.4	6.993	16.86	111	75-125	21.96	11.6	25		
Nickel	8.94	1.4	6.993	2.036	98.7	75-125	8.764	1.99	25		
Selenium	7.136	1.4	6.993	0.789	90.8	75-125	6.703	6.25	25		
Silver	6.526	1.4	6.993	0.03289	92.8	75-125	6.37	2.42	25		
Zinc	52.87	2.8	6.993	42.13	153	75-125	49.71	6.15	25	SO	

The following samples were analyzed in this batch:

1408370-01B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61504**      Instrument ID **ICPMS2**      Method: **SW6020A**

<b>DUP</b>		Sample ID: <b>1408368-03CDUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>8/13/2014 01:49 PM</b>		
Client ID:		Run ID: <b>ICPMS2_140813A</b>				SeqNo: <b>2888216</b>		Prep Date: <b>8/12/2014</b>		DF: <b>20</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	587.6	10	0	0	0	0-0	576	1.99		
Magnesium	184.5	4.0	0	0	0	0-0	176	4.75		
Sodium	2316	4.0	0	0	0	0-0	2190	5.59		

<b>DUP</b>		Sample ID: <b>1408368-03CDUP</b>				Units: <b>none</b>		Analysis Date: <b>8/13/2014</b>		
Client ID:		Run ID: <b>SAR_140813A</b>				SeqNo: <b>2888258</b>		Prep Date: <b>8/12/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	21.36	0.010	0	0	0		20.49	4.13	50	

The following samples were analyzed in this batch: | 1408370-01C |

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61482**      Instrument ID **SVMS8**      Method: **SW846 8270D**

MBLK		Sample ID: <b>SBLKS1-61482-61482</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/11/2014 03:46 PM</b>		
Client ID:		Run ID: <b>SVMS8_140811B</b>				SeqNo: <b>2885978</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
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>	1050	0	1667	0	63	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1718	0	1667	0	103	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1026	0	1667	0	61.6	37-107	0			

LCS		Sample ID: <b>SLCSS1-61482-61482</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>8/11/2014 04:06 PM</b>		
Client ID:		Run ID: <b>SVMS8_140811B</b>				SeqNo: <b>2885979</b>		Prep Date: <b>8/8/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	419.3	6.7	666.7	0	62.9	45-110	0			
Acenaphthylene	438.7	6.7	666.7	0	65.8	45-105	0			
Anthracene	522	6.7	666.7	0	78.3	55-105	0			
Benzo(a)anthracene	495.3	6.7	666.7	0	74.3	50-110	0			
Benzo(a)pyrene	575.3	6.7	666.7	0	86.3	50-110	0			
Benzo(b)fluoranthene	582.7	6.7	666.7	0	87.4	45-115	0			
Benzo(g,h,i)perylene	459	6.7	666.7	0	68.8	40-125	0			
Benzo(k)fluoranthene	551.7	6.7	666.7	0	82.7	45-115	0			
Chrysene	477.7	6.7	666.7	0	71.6	55-110	0			
Dibenzo(a,h)anthracene	483.3	6.7	666.7	0	72.5	40-125	0			
Fluoranthene	503.7	6.7	666.7	0	75.5	55-115	0			
Fluorene	474	6.7	666.7	0	71.1	50-110	0			
Indeno(1,2,3-cd)pyrene	554	6.7	666.7	0	83.1	40-120	0			
Naphthalene	395.3	6.7	666.7	0	59.3	40-105	0			
Pyrene	615.3	6.7	666.7	0	92.3	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1043	0	1667	0	62.6	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1550	0	1667	0	93	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	973.3	0	1667	0	58.4	37-107	0			

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61482**      Instrument ID **SVMS8**      Method: **SW846 8270D**

MS				Sample ID: 1408368-04B MS				Units: µg/Kg		Analysis Date: 8/11/2014 08:55 PM	
Client ID:		Run ID: SVMS8_140811B			SeqNo:2885991		Prep Date: 8/8/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	730.2	13	1251	0	58.3	45-110	0				
Acenaphthylene	797.1	13	1251	0	63.7	45-105	0				
Anthracene	957.3	13	1251	0	76.5	55-105	0				
Benzo(a)anthracene	937.2	13	1251	0	74.9	50-110	0				
Benzo(a)pyrene	1085	13	1251	0	86.7	50-110	0				
Benzo(b)fluoranthene	1048	13	1251	0	83.7	45-115	0				
Benzo(g,h,i)perylene	954.8	13	1251	0	76.3	40-125	0				
Benzo(k)fluoranthene	951.6	13	1251	0	76	45-115	0				
Chrysene	896.6	13	1251	0	71.6	55-110	0				
Dibenzo(a,h)anthracene	1030	13	1251	0	82.3	40-125	0				
Fluoranthene	897.8	13	1251	0	71.7	55-115	0				
Fluorene	851.5	13	1251	0	68	50-110	0				
Indeno(1,2,3-cd)pyrene	1129	13	1251	0	90.2	40-120	0				
Naphthalene	725.8	13	1251	0	58	40-105	0				
Pyrene	1106	13	1251	0	88.3	45-125	0				
Surr: 2-Fluorobiphenyl	1902	0	3128	0	60.8	12-100	0				
Surr: 4-Terphenyl-d14	2715	0	3128	0	86.8	25-137	0				
Surr: Nitrobenzene-d5	1874	0	3128	0	59.9	37-107	0				

MSD				Sample ID: 1408368-04B MSD			Units: µg/Kg		Analysis Date: 8/11/2014 09:15 PM		
Client ID:			Run ID: SVMS8_140811B			SeqNo:2885992		Prep Date: 8/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	778.4	13	1330		0	58.5	45-110	730.2	6.4	30	
Acenaphthylene	855.5	13	1330		0	64.3	45-105	797.1	7.07	30	
Anthracene	1034	13	1330		0	77.8	55-105	957.3	7.74	30	
Benzo(a)anthracene	1012	13	1330		0	76.1	50-110	937.2	7.65	30	
Benzo(a)pyrene	1166	13	1330		0	87.7	50-110	1085	7.2	30	
Benzo(b)fluoranthene	1125	13	1330		0	84.6	45-115	1048	7.07	30	
Benzo(g,h,i)perylene	1032	13	1330		0	77.6	40-125	954.8	7.81	30	
Benzo(k)fluoranthene	1006	13	1330		0	75.6	45-115	951.6	5.53	30	
Chrysene	978.5	13	1330		0	73.6	55-110	896.6	8.74	30	
Dibenzo(a,h)anthracene	1105	13	1330		0	83.1	40-125	1030	7.03	30	
Fluoranthene	929.3	13	1330		0	69.9	55-115	897.8	3.45	30	
Fluorene	906.7	13	1330		0	68.2	50-110	851.5	6.28	30	
Indeno(1,2,3-cd)pyrene	1216	13	1330		0	91.4	40-120	1129	7.43	30	
Naphthalene	810.3	13	1330		0	60.9	40-105	725.8	11	30	
Pyrene	1250	13	1330		0	94	45-125	1106	12.2	30	
Surr: 2-Fluorobiphenyl	2129	0	3324		0	64	12-100	1902	11.2	40	
Surr: 4-Terphenyl-d14	3043	0	3324		0	91.5	25-137	2715	11.4	40	
Surr: Nitrobenzene-d5	2100	0	3324		0	63.2	37-107	1874	11.4	40	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

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Batch ID: **61482**      Instrument ID **SVMS8**      Method: **SW846 8270D**

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The following samples were analyzed in this batch:

1408370-01B
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**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61462**      Instrument ID **VMS8**      Method: **SW8260B**

MBLK				Sample ID: MBLK-61462-61462			Units: µg/Kg		Analysis Date: 8/8/2014 09:31 PM		
Client ID:			Run ID: VMS8_140808A		SeqNo:2883685		Prep Date: 8/8/2014		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									
Surr: 1,2-Dichloroethane-d4	972	0	1000	0	97.2	70-130	0				
Surr: 4-Bromofluorobenzene	971	0	1000	0	97.1	70-130	0				
Surr: Dibromofluoromethane	954	0	1000	0	95.4	70-130	0				
Surr: Toluene-d8	988.5	0	1000	0	98.8	70-130	0				

LCS				Sample ID: LCS-61462-61462				Units: µg/Kg			Analysis Date: 8/8/2014 07:53 PM			
Client ID:				Run ID: VMS8_140808A				SeqNo:2883684			Prep Date: 8/8/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Benzene	866	30	1000	0	86.6	75-125	0							
Ethylbenzene	875.5	30	1000	0	87.6	75-125	0							
m,p-Xylene	1721	60	2000	0	86	80-125	0							
o-Xylene	879.5	30	1000	0	88	75-125	0							
Toluene	865	30	1000	0	86.5	70-125	0							
Xylenes, Total	2600	90	3000	0	86.7	75-125	0							
Surr: 1,2-Dichloroethane-d4	969.5	0	1000	0	97	70-130	0							
Surr: 4-Bromofluorobenzene	996	0	1000	0	99.6	70-130	0							
Surr: Dibromofluoromethane	994.5	0	1000	0	99.4	70-130	0							
Surr: Toluene-d8	1010	0	1000	0	101	70-130	0							

The following samples were analyzed in this batch:

1408370-01A

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



**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61504** Instrument ID **WETCHEM** Method: **USDA H60 Method**

<b>DUP</b>		Sample ID: <b>1408368-03C DUP</b>				Units: <b>mmhos/cm @25°C</b>		Analysis Date: <b>8/12/2014 12:00 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140812C</b>				SeqNo: <b>2885781</b>		Prep Date: <b>8/12/2014</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	16	0.050	0	0	0		15.62	2.4	50	

The following samples were analyzed in this batch:

1408370-01C

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61532** Instrument ID **WETCHEM** Method: **SW9045D**

LCS					Sample ID: LCS-61532-61532					Units:s.u.			Analysis Date: 8/11/2014 11:45 AM			
Client ID:					Run ID: WETCHEM_140811G					SeqNo:2884164			Prep Date: 8/11/2014		DF: 1	
Analyte					Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
pH					3.92	0	4	0	98	90-110	0					

DUP					Sample ID: 1408368-03B DUP					Units:s.u.		Analysis Date: 8/11/2014 11:45 AM		
Client ID:				Run ID: WETCHEM_140811G				SeqNo:2884174		Prep Date: 8/11/2014		DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		7.97	0	0	0	0	0-0	8.04	0.874	20				

DUP		Sample ID: 1408368-05B DUP				Units: s.u.		Analysis Date: 8/11/2014 11:45 AM		
Client ID:		Run ID: WETCHEM_140811G				SeqNo: 2884177		Prep Date: 8/11/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.89	0	0	0	0	0-0	7.88	0.127	20	

The following samples were analyzed in this batch:

1408370-01B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **61553** Instrument ID **WETCHEM** Method: **SW7196A**

<b>MBLK</b>		Sample ID: <b>MBLK-61553-61553</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 01:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140811H</b>				SeqNo: <b>2884251</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.49

<b>LCS</b>		Sample ID: <b>LCS-61553-61553</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 01:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140811H</b>				SeqNo: <b>2884252</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.868 0.50 2 0 93.4 80-120 0

<b>MS</b>		Sample ID: <b>1408299-01BMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 01:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140811H</b>				SeqNo: <b>2884254</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
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 0 96 75-125 0

<b>MS</b>		Sample ID: <b>1408299-01BMSI</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 01:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140811H</b>				SeqNo: <b>2884256</b>		Prep Date: <b>8/11/2014</b>		DF: <b>100</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1266 49 1559 0 81.2 75-125 0

<b>MSD</b>		Sample ID: <b>1408299-01BMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>8/11/2014 01:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_140811H</b>				SeqNo: <b>2884255</b>		Prep Date: <b>8/11/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.912 0.50 1.992 0 96 75-125 1.92 0.399 20

The following samples were analyzed in this batch:

1408370-01B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1408370  
**Project:** WPX RMV 48-35 Land Farm 8.7.14

## QC BATCH REPORT

Batch ID: **R145987**      Instrument ID **MOIST**      Method: **A2540 G**

<b>MBLK</b>		Sample ID: <b>WBLKS-R145987</b>				Units: % of sample		Analysis Date: <b>8/8/2014 04:57 PM</b>		
Client ID:		Run ID: <b>MOIST_140808B</b>				SeqNo: <b>2882692</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture      ND      0.050

<b>LCS</b>		Sample ID: <b>LCS-R145987</b>				Units: % of sample		Analysis Date: <b>8/8/2014 04:57 PM</b>		
Client ID:		Run ID: <b>MOIST_140808B</b>				SeqNo: <b>2882691</b>		Prep Date:		DF: <b>1</b>
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

<b>DUP</b>		Sample ID: <b>1408371-07B DUP</b>				Units: % of sample		Analysis Date: <b>8/8/2014 04:57 PM</b>		
Client ID:		Run ID: <b>MOIST_140808B</b>				SeqNo: <b>2882684</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture      5.03      0.050      0      0      0      0-0      5.03      0      20

<b>DUP</b>		Sample ID: <b>1408371-08B DUP</b>				Units: % of sample		Analysis Date: <b>8/8/2014 04:57 PM</b>		
Client ID:		Run ID: <b>MOIST_140808B</b>				SeqNo: <b>2882686</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture      11.37      0.050      0      0      0      0-0      10.27      10.2      20

The following samples were analyzed in this batch:

1408370-01B

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



## Form 202-04

1408370

PAGE 1 of 1

DISPOSAL ☒ By Lab or ☐ Return to Client

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

**For metals or anions, please detail analytes below.**

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>[Signature]</i>	<i>[Signature]</i>	8/7/14	2:45
RECEIVED BY	<i>[Signature]</i>	<i>[Signature]</i>	8-7-14	2:45
RELINQUISHED BY	<i>[Signature]</i>	<i>[Signature]</i>	8-7-14	3:00
RECEIVED BY	<i>[Signature]</i>	Diane F. Shaw	8/8/14	0930
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **08-Aug-14 09:30**

Work Order: **1408370**

Received by: **DS**

Checklist completed by <u><i>Diane Shaw</i></u>	08-Aug-14	Reviewed by: <u><i>Ann Preston</i></u>	10-Aug-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 checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.8 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>8/8/2014 12:09:58 PM</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) 399-6070  
Nick Martinez  
ALS Environmental  
127 E. 1st Street

PARACHUTE, MI 49424

Origin ID: HLMA



Ship Date: 07AUG14  
ActWgt: 52.0 LB  
CAD: 22648409/NET3550

Dim: 14 X 26 X 15 IN

Delivery Address Bar Code



Ref # 080714-1  
Invoice #  
PO # Parachute  
Dept #

SHIP TO: (616) 399-6070  
sample receiving  
ALS Laboratory Group  
3352 128TH AVE

BILL BENDER

HOLLAND, MI 49424

2 of 3

FRI - 08 AUG 10:30A  
PRIORITY OVERNIGHT

MPS# 7707 8925 5711

0263

Mstr# 7707 8925 5608

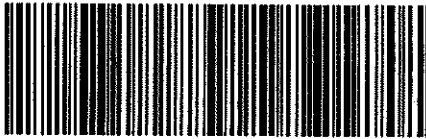
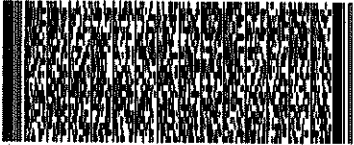
0201

**68 HLMA**

49424

MI-US

GRR



52201ECF28AC9

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