




Legend

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

CLOUGH 2A
Arsenic Background Sample Location Map
T6S R94W, Section 21

December 12, 2014





05-Dec-2014

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

Re: **WPX Clough 2A Cuttings 11.25.14**

Work Order: **14111373**

Dear Mark,

ALS Environmental received 1 sample on 26-Nov-2014 11:15 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

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2A Cuttings 11.25.14
Work Order: 14111373

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>
14111373-01	Clough 2A Cuttings	Soil		11/25/2014 10:40	11/26/2014 11:15	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2A Cuttings 11.25.14
Work Order: 14111373

Case Narrative

Batch 65495 sample 14111373-01 DRO surrogate recovery was high due to matrix interference. No qualification is required.

Batch 65540 sample 14111373-01 MS/MSD recoveries for Barium and Zinc were outside control limits, however, the results in the parent sample were greater than 4x the spiked amount. No qualification is required for Barium and Zinc. The MSD recovery for Copper was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD were in control. No qualification is required for Copper.

<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: 05-Dec-14

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2A Cuttings 11.25.14
Sample ID: Clough 2A Cuttings
Collection Date: 11/25/2014 10:40 AM

Work Order: 14111373
Lab ID: 14111373-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	210		SW8015M		Prep: SW3541 / 12/1/14	Analyst: IT
Surr: 4-Terphenyl-d14	143	S	39-133	%REC	1	12/2/2014 09:26 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep: SW5035 / 11/26/14	Analyst: IT
Surr: Toluene-d8	125		50-150	%REC	1	11/26/2014 06:06 PM
MERCURY BY CVAA						
Mercury	0.041		SW7471		Prep: SW7471 / 12/1/14	Analyst: LR
			0.019	mg/Kg-dry	1	12/1/2014 06:11 PM
METALS ANALYSIS BY ICP						
Arsenic	5.8		SW846 6010C		Prep: SW3050B / 12/2/14	Analyst: JEC
Barium	5,800		0.39	mg/Kg-dry	1	12/2/2014 01:48 PM
Cadmium	ND		3.9	mg/Kg-dry	10	12/3/2014 11:57 AM
Chromium	10		0.31	mg/Kg-dry	1	12/2/2014 01:48 PM
Copper	21		0.39	mg/Kg-dry	1	12/2/2014 05:16 PM
Lead	15		0.39	mg/Kg-dry	1	12/2/2014 01:48 PM
Nickel	12		0.39	mg/Kg-dry	1	12/2/2014 01:48 PM
Selenium	1.3		0.39	mg/Kg-dry	1	12/2/2014 05:16 PM
Silver	ND		0.39	mg/Kg-dry	1	12/2/2014 01:48 PM
Zinc	62		0.39	mg/Kg-dry	1	12/2/2014 05:16 PM
			0.78	mg/Kg-dry	1	12/2/2014 01:48 PM
SOLUBLE CATIONS FOR SAR						
Calcium	290		SW846 6010C		Prep: USDA Method 20B / 12/1/14	Analyst: JEC
Magnesium	24		5.0	mg/L	10	12/1/2014 12:52 PM
Sodium	1,600		2.0	mg/L	10	12/1/2014 12:52 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	25		USDA H60 METHOD		Prep: USDA Method 20B / 12/1/14	Analyst: JEC
			0.010	none	1	12/1/2014
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW846 8270D		Prep: SW3541 / 12/1/14	Analyst: RM
Acenaphthylene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Anthracene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Benzo(a)anthracene	14		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Benzo(a)pyrene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Benzo(b)fluoranthene	12		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Benzo(g,h,i)perylene	8.6		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Benzo(k)fluoranthene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Chrysene	9.0		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM

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

ALS Group USA, Corp

Date: 05-Dec-14

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2A Cuttings 11.25.14
Sample ID: Clough 2A Cuttings
Collection Date: 11/25/2014 10:40 AM

Work Order: 14111373
Lab ID: 14111373-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Fluoranthene	11		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Fluorene	20		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Indeno(1,2,3-cd)pyrene	ND		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Naphthalene	54		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Pyrene	15		8.2	µg/Kg-dry	1	12/2/2014 11:15 PM
Surr: 2-Fluorobiphenyl	76.0		12-100	%REC	1	12/2/2014 11:15 PM
Surr: 4-Terphenyl-d14	90.9		25-137	%REC	1	12/2/2014 11:15 PM
Surr: Nitrobenzene-d5	62.2		37-107	%REC	1	12/2/2014 11:15 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep: SW5035 / 11/26/14 Analyst: AK		
Benzene	ND		37	µg/Kg-dry	1	11/28/2014 11:54 PM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/28/2014 11:54 PM
m,p-Xylene	100		74	µg/Kg-dry	1	11/28/2014 11:54 PM
o-Xylene	ND		37	µg/Kg-dry	1	11/28/2014 11:54 PM
Toluene	78		37	µg/Kg-dry	1	11/28/2014 11:54 PM
Xylenes, Total	130		110	µg/Kg-dry	1	11/28/2014 11:54 PM
Surr: 1,2-Dichloroethane-d4	98.4		70-130	%REC	1	11/28/2014 11:54 PM
Surr: 4-Bromofluorobenzene	99.2		70-130	%REC	1	11/28/2014 11:54 PM
Surr: Dibromofluoromethane	87.8		70-130	%REC	1	11/28/2014 11:54 PM
Surr: Toluene-d8	101		70-130	%REC	1	11/28/2014 11:54 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 12/1/14 Analyst: JB		
Electrical Conductivity @ Saturation	9.7		0.050	mmhos/cm @25	10	12/1/2014 05:45 PM
CHROMIUM, TRIVALENT			CALCULATION	Analyst: MB		
Chromium, Trivalent	9.8		0.62	mg/Kg-dry	1	12/3/2014 04:00 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 12/2/14 Analyst: MB		
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	12/3/2014 02:00 PM
MOISTURE			A2540 G	Analyst: EVb		
Moisture	19		0.050	% of sample	1	12/1/2014 03:00 PM
PH			SW9045D	Prep: EXTRACT / 12/1/14 Analyst: AXL		
pH	8.5			s.u.	1	12/1/2014

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

ALS Group USA, Corp

Date: 05-Dec-14

Client: HRL Compliance Solutions, Inc

Work Order: 14111373

Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65495**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: DBLKS1-65495-65495				Units: mg/Kg		Analysis Date: 12/2/2014 03:26 PM		
Client ID:		Run ID: GC8_141202A				SeqNo: 3059909		Prep Date: 12/1/2014		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>	1.682	0	2	0	84.1	39-133	0			

LCS		Sample ID: DLCSS1-65495-65495				Units: mg/Kg		Analysis Date: 12/2/2014 03:54 PM		
Client ID:		Run ID: GC8_141202A				SeqNo: 3059910		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	214.7	5.0	200	0	107	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.493	0	2	0	74.6	39-133	0			

MS		Sample ID: 14111437-02B MS				Units: mg/Kg		Analysis Date: 12/2/2014 04:49 PM		
Client ID:		Run ID: GC8_141202A				SeqNo: 3059911		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	508.8	12	468.1	97.05	87.9	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	3.564	0	4.681	0	76.1	39-133	0			

MSD		Sample ID: 14111437-02B MSD				Units: mg/Kg		Analysis Date: 12/2/2014 05:17 PM		
Client ID:		Run ID: GC8_141202A				SeqNo: 3059913		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	464.7	12	497.3	97.05	73.9	48-110	508.8	9.05	30	
<i>Surr: 4-Terphenyl-d14</i>	3.554	0	4.973	0	71.5	39-133	3.564	0.294	30	

The following samples were analyzed in this batch: | 14111373-01B |

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65469** Instrument ID **GC9** Method: **SW8015**

MBLK		Sample ID: MBLK-65469-65469				Units: µg/Kg		Analysis Date: 11/26/2014 04:49 PM		
Client ID:		Run ID: GC9_141126A				SeqNo: 3055881		Prep Date: 11/26/2014		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>	6033	0	5000	0	121	50-150	0			

LCS		Sample ID: LCS-65469-65469				Units: µg/Kg		Analysis Date: 11/26/2014 03:58 PM		
Client ID:		Run ID: GC9_141126A				SeqNo: 3055880		Prep Date: 11/26/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	613400	2,500	500000	0	123	70-130	0			
<i>Surr: Toluene-d8</i>	5262	0	5000	0	105	50-150	0			

MS		Sample ID: 14111373-01A MS				Units: µg/Kg		Analysis Date: 11/26/2014 06:32 PM		
Client ID: Clough 2A Cuttings		Run ID: GC9_141126A				SeqNo: 3055885		Prep Date: 11/26/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	984200	2,500	1000000	0	98.4	70-130	0			
<i>Surr: Toluene-d8</i>	5842	0	5000	0	117	50-150	0			

MSD		Sample ID: 14111373-01A MSD				Units: µg/Kg		Analysis Date: 11/26/2014 06:57 PM		
Client ID: Clough 2A Cuttings		Run ID: GC9_141126A				SeqNo: 3055886		Prep Date: 11/26/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	966600	2,500	1000000	0	96.7	70-130	984200	1.8	30	
<i>Surr: Toluene-d8</i>	5516	0	5000	0	110	50-150	5842	5.74	30	

The following samples were analyzed in this batch: 14111373-01A

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65518** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-65518-65518				Units: mg/Kg		Analysis Date: 12/1/2014 04:37 PM		
Client ID:		Run ID: HG1_141201A				SeqNo: 3056503		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.020

LCS		Sample ID: LCS-65518-65518				Units: mg/Kg		Analysis Date: 12/1/2014 04:39 PM		
Client ID:		Run ID: HG1_141201A				SeqNo: 3056504		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1726 0.020 0.1665 0 104 80-120 0

MS		Sample ID: 14111222-01BMS				Units: mg/Kg		Analysis Date: 12/1/2014 05:19 PM		
Client ID:		Run ID: HG1_141201A				SeqNo: 3056529		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1097 0.012 0.1024 -0.001103 108 75-125 0

MSD		Sample ID: 14111222-01BMSD				Units: mg/Kg		Analysis Date: 12/1/2014 05:21 PM		
Client ID:		Run ID: HG1_141201A				SeqNo: 3056530		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1067 0.012 0.1001 -0.001103 108 75-125 0.1097 2.84 35

The following samples were analyzed in this batch:

14111373-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65474** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 14111373-01CDUP				Units: mg/L		Analysis Date: 12/1/2014 12:58 PM		
Client ID: Clough 2A Cuttings		Run ID: ICP2_141201A				SeqNo: 3056158		Prep Date: 12/1/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	330.6	5.0	0	0	0	0-0	290.5	12.9		
Magnesium	26.84	2.0	0	0	0	0-0	24.19	10.4		
Sodium	1544	2.0	0	0	0	0-0	1632	5.53		

DUP		Sample ID: 14111373-01CDUP				Units: none		Analysis Date: 12/1/2014		
Client ID: Clough 2A Cuttings		Run ID: SAR_141201A				SeqNo: 3056168		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	21.96	0.010	0	0	0		24.73	11.8	50	

The following samples were analyzed in this batch:

14111373-01C

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK		Sample ID: MBLK-65540-65540				Units: mg/Kg		Analysis Date: 12/2/2014 01:31 PM		
Client ID:		Run ID: ICP2_141202A				SeqNo: 3059163		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.50								
Copper	ND	0.50								
Lead	ND	0.25								
Selenium	ND	0.50								
Zinc	0.08061	0.50								J

MBLK		Sample ID: MBLK-65540-65540				Units: mg/Kg		Analysis Date: 12/2/2014 04:59 PM		
Client ID:		Run ID: ICP2_141202B				SeqNo: 3059478		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.50								
Chromium	ND	0.25								
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.07924	0.50								J

LCS		Sample ID: LCS-65540-65540				Units: mg/Kg		Analysis Date: 12/2/2014 01:37 PM		
Client ID:		Run ID: ICP2_141202A				SeqNo: 3059165		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.583	0.25	5	0	91.7	80-120	0			
Barium	4.565	0.25	5	0	91.3	80-120	0			
Cadmium	4.484	0.50	5	0	89.7	80-120	0			
Copper	4.812	0.50	5	0	96.2	80-120	0			
Lead	4.807	0.25	5	0	96.1	80-120	0			
Selenium	4.714	0.50	5	0	94.3	80-120	0			
Zinc	4.699	0.50	5	0	94	80-120	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

LCS				Sample ID: LCS-65540-65540				Units:mg/Kg			Analysis Date: 12/2/2014 05:05 PM		
Client ID:			Run ID: ICP2_141202B				SeqNo:3059479			Prep Date: 12/2/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Arsenic	4.611	0.25	5	0	92.2	80-120	0						
Barium	4.497	0.25	5	0	89.9	80-120	0						
Cadmium	4.458	0.50	5	0	89.2	80-120	0						
Chromium	4.727	0.25	5	0	94.5	80-120	0						
Copper	4.754	0.50	5	0	95.1	80-120	0						
Lead	4.778	0.25	5	0	95.6	80-120	0						
Nickel	4.678	0.25	5	0	93.6	80-120	0						
Selenium	4.782	0.50	5	0	95.6	80-120	0						
Silver	4.92	0.25	5	0	98.4	80-120	0						
Zinc	4.764	0.50	5	0	95.3	80-120	0						

MS				Sample ID: 14111373-01BMS			Units:mg/Kg		Analysis Date: 12/2/2014 01:54 PM		
Client ID: Clough 2A Cuttings			Run ID: ICP2_141202A			SeqNo:3059171		Prep Date: 12/2/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	10.99	0.32	6.427	4.726	97.5	75-125	0				
Barium	4564	0.32	6.427	4418	2270	75-125	0			SEO	
Cadmium	6.327	0.64	6.427	-0.07035	99.5	75-125	0				
Copper	27.49	0.64	6.427	16.73	167	75-125	0			S	
Lead	18.2	0.32	6.427	11.93	97.5	75-125	0				
Selenium	7.569	0.64	6.427	1.037	102	75-125	0				
Zinc	66.35	0.64	6.427	49.95	255	75-125	0			SO	

MS					Sample ID: 14111373-01BMS			Units:mg/Kg		Analysis Date: 12/2/2014 05:22 PM	
Client ID: Clough 2A Cuttings			Run ID: ICP2_141202B			SeqNo:3059482		Prep Date: 12/2/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Chromium	16.14	0.32	6.427	8.355	121	75-125		0			
Nickel	16.16	0.32	6.427	9.434	105	75-125		0			
Silver	7.233	0.32	6.427	0.009352	112	75-125		0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

MSD				Sample ID: 14111373-01BMSD			Units: mg/Kg		Analysis Date: 12/2/2014 02:00 PM	
Client ID: Clough 2A Cuttings				Run ID: ICP2_141202A			SeqNo: 3059172		Prep Date: 12/2/2014	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.63	0.32	6.386	4.726	108	75-125	10.99	5.67	20	
Barium	3850	0.32	6.386	4418	-8900	75-125	4564	17	20	SEO
Cadmium	6.249	0.64	6.386	-0.07035	99	75-125	6.327	1.24	20	
Copper	23.72	0.64	6.386	16.73	109	75-125	27.49	14.7	20	
Lead	17.6	0.32	6.386	11.93	88.8	75-125	18.2	3.32	20	
Selenium	7.495	0.64	6.386	1.037	101	75-125	7.569	0.979	20	
Zinc	62.03	0.64	6.386	49.95	189	75-125	66.35	6.74	20	SO

MSD				Sample ID: 14111373-01BMSD			Units: mg/Kg		Analysis Date: 12/2/2014 05:27 PM	
Client ID: Clough 2A Cuttings				Run ID: ICP2_141202B			SeqNo: 3059483		Prep Date: 12/2/2014	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	15.18	0.32	6.386	8.355	107	75-125	16.14	6.14	20	
Nickel	16.2	0.32	6.386	9.434	106	75-125	16.16	0.265	20	
Silver	7.227	0.32	6.386	0.009352	113	75-125	7.233	0.0901	20	

The following samples were analyzed in this batch:

14111373-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

MBLK		Sample ID: SBLKS1-65494-65494				Units: µg/Kg		Analysis Date: 12/2/2014 05:18 PM		
Client ID:		Run ID: SVMS8_141202A				SeqNo: 3060337		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Acenaphthylene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(g,h,i)perylene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
<i>Surr: 2-Fluorobiphenyl</i>	1453	0	1667	0	87.2	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1985	0	1667	0	119	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1513	0	1667	0	90.8	37-107	0			

LCS		Sample ID: SLCSS1-65494-65494				Units: µg/Kg		Analysis Date: 12/2/2014 05:39 PM		
Client ID:		Run ID: SVMS8_141202A				SeqNo: 3060339		Prep Date: 12/1/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	583.7	6.7	666.7	0	87.5	45-110	0			
Acenaphthylene	596.3	6.7	666.7	0	89.4	45-105	0			
Anthracene	673.7	6.7	666.7	0	101	55-105	0			
Benzo(a)anthracene	705	6.7	666.7	0	106	50-110	0			
Benzo(a)pyrene	661	6.7	666.7	0	99.1	50-110	0			
Benzo(b)fluoranthene	680.3	6.7	666.7	0	102	45-115	0			
Benzo(g,h,i)perylene	748.7	6.7	666.7	0	112	40-125	0			
Benzo(k)fluoranthene	673.7	6.7	666.7	0	101	45-115	0			
Chrysene	665	6.7	666.7	0	99.7	55-110	0			
Dibenzo(a,h)anthracene	713	6.7	666.7	0	107	40-125	0			
Fluoranthene	660	6.7	666.7	0	99	55-115	0			
Fluorene	578	6.7	666.7	0	86.7	50-110	0			
Indeno(1,2,3-cd)pyrene	729.7	6.7	666.7	0	109	40-120	0			
Naphthalene	548	6.7	666.7	0	82.2	40-105	0			
Pyrene	803	6.7	666.7	0	120	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1344	0	1667	0	80.7	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1887	0	1667	0	113	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1447	0	1667	0	86.8	37-107	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

MS				Sample ID: 14111418-06B MS			Units: µg/Kg		Analysis Date: 12/2/2014 09:53 PM	
Client ID:				Run ID: SVMS8_141202A			SeqNo: 3060342		Prep Date: 12/1/2014	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1076	13	1273	0	84.5	45-110	0			
Acenaphthylene	1061	13	1273	0	83.3	45-105	0			
Anthracene	1263	13	1273	0	99.2	55-105	0			
Benzo(a)anthracene	1320	13	1273	0	104	50-110	0			
Benzo(a)pyrene	1288	13	1273	0	101	50-110	0			
Benzo(b)fluoranthene	1281	13	1273	0	101	45-115	0			
Benzo(g,h,i)perylene	1387	13	1273	0	109	40-125	0			
Benzo(k)fluoranthene	1282	13	1273	0	101	45-115	0			
Chrysene	1235	13	1273	0	97	55-110	0			
Dibenzo(a,h)anthracene	1288	13	1273	0	101	40-125	0			
Fluoranthene	1226	13	1273	0	96.3	55-115	0			
Fluorene	1047	13	1273	0	82.2	50-110	0			
Indeno(1,2,3-cd)pyrene	1343	13	1273	0	105	40-120	0			
Naphthalene	891.7	13	1273	0	70	40-105	0			
Pyrene	1533	13	1273	0	120	45-125	0			
Surr: 2-Fluorobiphenyl	2293	0	3182	0	72	12-100	0			
Surr: 4-Terphenyl-d14	3513	0	3182	0	110	25-137	0			
Surr: Nitrobenzene-d5	2363	0	3182	0	74.3	37-107	0			

MSD				Sample ID: 14111418-06B MSD			Units: µg/Kg		Analysis Date: 12/2/2014 10:14 PM	
Client ID:				Run ID: SVMS8_141202A			SeqNo: 3060343		Prep Date: 12/1/2014	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1171	13	1329	0	88.1	45-110	1076	8.47	30	
Acenaphthylene	1179	13	1329	0	88.7	45-105	1061	10.5	30	
Anthracene	1318	13	1329	0	99.2	55-105	1263	4.3	30	
Benzo(a)anthracene	1408	13	1329	0	106	50-110	1320	6.45	30	
Benzo(a)pyrene	1336	13	1329	0	100	50-110	1288	3.61	30	
Benzo(b)fluoranthene	1381	13	1329	0	104	45-115	1281	7.53	30	
Benzo(g,h,i)perylene	1480	13	1329	0	111	40-125	1387	6.48	30	
Benzo(k)fluoranthene	1356	13	1329	0	102	45-115	1282	5.59	30	
Chrysene	1328	13	1329	0	99.9	55-110	1235	7.25	30	
Dibenzo(a,h)anthracene	1429	13	1329	0	107	40-125	1288	10.3	30	
Fluoranthene	1330	13	1329	0	100	55-115	1226	8.12	30	
Fluorene	1114	13	1329	0	83.8	50-110	1047	6.23	30	
Indeno(1,2,3-cd)pyrene	1485	13	1329	0	112	40-120	1343	10.1	30	
Naphthalene	1100	13	1329	0	82.7	40-105	891.7	20.9	30	
Pyrene	1549	13	1329	0	117	45-125	1533	1.05	30	
Surr: 2-Fluorobiphenyl	2714	0	3322	0	81.7	12-100	2293	16.8	40	
Surr: 4-Terphenyl-d14	3734	0	3322	0	112	25-137	3513	6.08	40	
Surr: Nitrobenzene-d5	2863	0	3322	0	86.2	37-107	2363	19.1	40	

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

The following samples were analyzed in this batch:

14111373-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65468** Instrument ID **VMS8** Method: **SW8260B**

Sample ID: MBLK-65468-65468				Units: µg/Kg			Analysis Date: 11/26/2014 02:14 PM			
Client ID:		Run ID: VMS8_141126A			SeqNo: 3055228		Prep Date: 11/26/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1034</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>974.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97.4</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>953.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>95.4</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>988</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.8</i>	<i>70-130</i>	<i>0</i>			

LCS				Sample ID: LCS-65468-65468			Units: µg/Kg		Analysis Date: 11/26/2014 12:36 PM		
Client ID:			Run ID: VMS8_141126A			SeqNo:3055227		Prep Date: 11/26/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	958.5	30	1000	0	95.8	75-125	0				
Ethylbenzene	995	30	1000	0	99.5	75-125	0				
m,p-Xylene	1848	60	2000	0	92.4	80-125	0				
o-Xylene	911.5	30	1000	0	91.2	75-125	0				
Toluene	978.5	30	1000	0	97.8	70-125	0				
Xylenes, Total	2760	90	3000	0	92	75-125	0				
Surr: 1,2-Dichloroethane-d4	1030	0	1000	0	103	70-130	0				
Surr: 4-Bromofluorobenzene	1009	0	1000	0	101	70-130	0				
Surr: Dibromofluoromethane	986	0	1000	0	98.6	70-130	0				
Surr: Toluene-d8	1011	0	1000	0	101	70-130	0				

MS					Sample ID: 14111373-01A MS			Units: µg/Kg		Analysis Date: 11/29/2014 02:06 AM	
Client ID: Clough 2A Cuttings			Run ID: VMS9_141128B			SeqNo:3055306		Prep Date: 11/26/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1160	30	1000	0	116	75-125	0				
Ethylbenzene	1171	30	1000	0	117	75-125	0				
m,p-Xylene	2336	60	2000	85	113	80-125	0				
o-Xylene	1166	30	1000	19	115	75-125	0				
Toluene	1183	30	1000	63	112	70-125	0				
Xylenes, Total	3502	90	3000	104	113	75-125	0				
Surr: 1,2-Dichloroethane-d4	963.5	0	1000	0	96.4	70-130	0				
Surr: 4-Bromofluorobenzene	1020	0	1000	0	102	70-130	0				
Surr: Dibromofluoromethane	969	0	1000	0	96.9	70-130	0				
Surr: Toluene-d8	1016	0	1000	0	102	70-130	0				

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65468** Instrument ID **VMS8** Method: **SW8260B**

MSD				Sample ID: 14111373-01A MSD			Units: µg/Kg		Analysis Date: 11/29/2014 02:32 AM	
Client ID: Clough 2A Cuttings				Run ID: VMS9_141128B			SeqNo: 3055307		Prep Date: 11/26/2014	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1138	30	1000	0	114	75-125	1160	1.91	30	
Ethylbenzene	1160	30	1000	0	116	75-125	1171	0.901	30	
m,p-Xylene	2305	60	2000	85	111	80-125	2336	1.31	30	
o-Xylene	1150	30	1000	19	113	75-125	1166	1.34	30	
Toluene	1165	30	1000	63	110	70-125	1183	1.53	30	
Xylenes, Total	3456	90	3000	104	112	75-125	3502	1.32	30	
Surr: 1,2-Dichloroethane-d4	963.5	0	1000	0	96.4	70-130	963.5	0	30	
Surr: 4-Bromofluorobenzene	1024	0	1000	0	102	70-130	1020	0.392	30	
Surr: Dibromofluoromethane	967.5	0	1000	0	96.8	70-130	969	0.155	30	
Surr: Toluene-d8	1016	0	1000	0	102	70-130	1016	0	30	

The following samples were analyzed in this batch: 14111373-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65474** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 14111373-01C DUP				Units: mmhos/cm @25°C		Analysis Date: 12/1/2014 05:45 PM		
Client ID: Clough 2A Cuttings			Run ID: WETCHEM_141201P			SeqNo: 3056538		Prep Date: 12/1/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	9.83	0.050	0	0	0		9.72	1.13	50	

The following samples were analyzed in this batch:

14111373-01C

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65527** Instrument ID **WETCHEM** Method: **SW9045D**

LCS					Sample ID: LCS-65527-65527					Units:s.u.			Analysis Date: 12/1/2014				
Client ID:					Run ID: WETCHEM_141201B					SeqNo:3056194			Prep Date: 12/1/2014			DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC		Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH					3.9		0	4	0	97.5		90-110	0				

DUP				Sample ID: 14111372-01B dup				Units: s.u.			Analysis Date: 12/1/2014		
Client ID:				Run ID: WETCHEM_141201B				SeqNo: 3056196		Prep Date: 12/1/2014		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
pH		8.64	0	0	0	0	0-0	8.63	0.116	20			

The following samples were analyzed in this batch:

14111373-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **65600** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-65600-65600				Units: mg/Kg		Analysis Date: 12/3/2014 02:00 PM		
Client ID:		Run ID: WETCHEM_141203K				SeqNo: 3060285		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

LCS		Sample ID: LCS-65600-65600				Units: mg/Kg		Analysis Date: 12/3/2014 02:00 PM		
Client ID:		Run ID: WETCHEM_141203K				SeqNo: 3060284		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.072 0.50 2 0 104 80-120 0

MS		Sample ID: 14111372-01B MS				Units: mg/Kg		Analysis Date: 12/3/2014 02:00 PM		
Client ID:		Run ID: WETCHEM_141203K				SeqNo: 3060273		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.72 0.50 2 0.016 85.2 75-125 0

MS		Sample ID: 14111372-01B MSI				Units: mg/Kg		Analysis Date: 12/3/2014 02:00 PM		
Client ID:		Run ID: WETCHEM_141203K				SeqNo: 3060275		Prep Date: 12/2/2014		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1091 50 1064 0.016 103 75-125 0

MSD		Sample ID: 14111372-01B MSD				Units: mg/Kg		Analysis Date: 12/3/2014 02:00 PM		
Client ID:		Run ID: WETCHEM_141203K				SeqNo: 3060274		Prep Date: 12/2/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.62 0.50 2 0.016 80.2 75-125 1.72 5.99 20

The following samples were analyzed in this batch:

14111373-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111373
Project: WPX Clough 2A Cuttings 11.25.14

QC BATCH REPORT

Batch ID: **R153498** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R153498				Units: % of sample		Analysis Date: 12/1/2014 03:00 PM		
Client ID:		Run ID: MOIST_141201B				SeqNo: 3058625		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-R153498				Units: % of sample		Analysis Date: 12/1/2014 03:00 PM		
Client ID:		Run ID: MOIST_141201B				SeqNo: 3058624		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: 14111372-01B DUP				Units: % of sample		Analysis Date: 12/1/2014 03:00 PM		
Client ID:		Run ID: MOIST_141201B				SeqNo: 3058603		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 15.82 0.050 0 0 0 0-0 15.37 2.89 20

The following samples were analyzed in this batch:

14111373-01B

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



WORKORDER

1411373

Form 203rd

PAGE

10ft

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 = filter

For metals or anions, please detail analytes below.

Comments:

Please Run for complete 910.1
COGCC TABLE Inorganics and
organics.

300

QC PACKAGE (check below)

<input checked="" type="checkbox"/>	LEVEL II (Standard OC)
-------------------------------------	------------------------

LEVEL III (Std QC + forms)

LEVEL IV (Final QC + format + 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>Matt Fought</i>	Matt Fought	11/25/14	12:20
RECEIVED BY	<i>[Signature]</i>	<i>[Signature]</i>	11-25-14	12:20
RELINQUISHED BY	<i>[Signature]</i>	<i>NK</i>	11-25	1230
RECEIVED BY	<i>[Signature]</i>	Diane F. Shu	11/26/14	1115
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **26-Nov-14 11:15**

Work Order: **14111373**

Received by: **DS**

Checklist completed by <u><i>Diane Shaw</i></u>	26-Nov-14	Reviewed by: <u><i>Ann Preston</i></u>	05-Dec-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>3.0 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>11/26/2014 12:41:03 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: (818) 390-0870
 Nick Martinez
 ALS Environmental
 127 E. 1st Street
 PARACHUTE, CO 81636

Origin ID: RLA



Ship Date: 25NOV14
 Act/Mtg: 53.9 LB
 CAD: 2284944NET3550

Dim: 24 X 15 X 15 IN

SHIP TO: (818) 390-0870
 sample receiving
 ALS Laboratory Group
 3352 128TH AVE

BILL RENDER

HOLLAND, MI 49424

Delivery Address Bar Code



Ref # 112514-1
 Invoice #
 PO # Parachute
 Dept #

1 of 3

WED - 26 NOV 10:30A
 PRIORITY OVERNIGHT

TRK# 7719 9789 4751
 E291

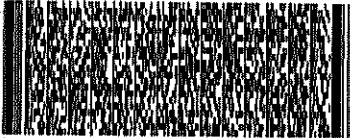
MASTER

49424

MI-US

GRR

XX HLMA



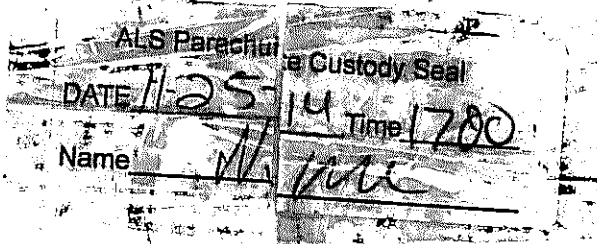
8220151000000

After printing this label:

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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.

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29-May-2014

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

Re: **WPX Clough 2-A Backgrounds 5.20.14**

Work Order: **14051131**

Dear Mark,

ALS Environmental received 3 samples on 22-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 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2-A Backgrounds 5.20.14
Work Order: 14051131

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>
14051131-01	Clough 2-A B-1	Soil		5/20/2014 12:30	5/22/2014 09:30	<input type="checkbox"/>
14051131-02	Clough 2-A B-2	Soil		5/20/2014 12:35	5/22/2014 09:30	<input type="checkbox"/>
14051131-03	Clough 2-A B-3	Soil		5/20/2014 12:45	5/22/2014 09:30	<input type="checkbox"/>

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

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

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group USA, Corp

Date: 29-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2-A Backgrounds 5.20.14
Sample ID: Clough 2-A B-1
Collection Date: 5/20/2014 12:30 PM

Work Order: 14051131
Lab ID: 14051131-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/22/14	Analyst: ML
Arsenic	5.8		1.8	mg/Kg-dry	5	5/24/2014 04:11 AM
MOISTURE			A2540 G			Analyst: AT
Moisture	1.3		0.050	% of sample	1	5/22/2014 04:52 PM

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

ALS Group USA, Corp

Date: 29-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2-A Backgrounds 5.20.14
Sample ID: Clough 2-A B-2
Collection Date: 5/20/2014 12:35 PM

Work Order: 14051131
Lab ID: 14051131-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/22/14	Analyst: ML
Arsenic	8.4		2.0	mg/Kg-dry	5	5/24/2014 04:35 AM
MOISTURE			A2540 G			Analyst: AT
Moisture	7.1		0.050	% of sample	1	5/22/2014 04:52 PM

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

ALS Group USA, Corp

Date: 29-May-14

Client: HRL Compliance Solutions, Inc
Project: WPX Clough 2-A Backgrounds 5.20.14
Sample ID: Clough 2-A B-3
Collection Date: 5/20/2014 12:45 PM

Work Order: 14051131
Lab ID: 14051131-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 5/22/14	Analyst: ML
Arsenic	7.6		2.0	mg/Kg-dry	5	5/24/2014 04:41 AM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep: USDA Method 20B / 5/27/14	Analyst: RH
Calcium	47		10	mg/L	20	5/28/2014 01:55 AM
Magnesium	12		4.0	mg/L	20	5/28/2014 01:55 AM
Sodium	57		4.0	mg/L	20	5/28/2014 01:55 AM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep: USDA Method 20B / 5/27/14	Analyst: RH
Sodium Adsorption Ratio	1.9		0.010	none	1	5/27/2014
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep: USDA Method 20B / 5/27/14	Analyst: JB
Electrical Conductivity @ Saturation	0.61		0.050	mmhos/cm @25	10	5/28/2014 12:15 PM
MOISTURE			A2540 G			Analyst: AT
Moisture	10		0.050	% of sample	1	5/22/2014 04:52 PM
PH			SW9045D		Prep: EXTRACT / 5/23/14	Analyst: AT
pH	8.6			s.u.	1	5/23/2014 03:00 PM

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

Client: HRL Compliance Solutions, Inc
Work Order: 14051131
Project: WPX Clough 2-A Backgrounds 5.20.14

QC BATCH REPORT

Batch ID: **58934** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-58934-58934				Units: mg/Kg		Analysis Date: 5/24/2014 01:01 AM		
Client ID:		Run ID: ICPMS1_140523A				SeqNo: 2778963		Prep Date: 5/22/2014		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-58934-58934				Units: mg/Kg		Analysis Date: 5/24/2014 01:08 AM		
Client ID:		Run ID: ICPMS1_140523A				SeqNo: 2778964		Prep Date: 5/22/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.298	0.25	5	0	86	80-120	0			

MS		Sample ID: 14051131-01AMS				Units: mg/Kg		Analysis Date: 5/24/2014 04:17 AM		
Client ID: Clough 2-A B-1		Run ID: ICPMS1_140523A				SeqNo: 2778992		Prep Date: 5/22/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.67	1.8	7.112	5.756	83.2	75-125	0			

MSD		Sample ID: 14051131-01AMSD				Units: mg/Kg		Analysis Date: 5/24/2014 04:23 AM		
Client ID: Clough 2-A B-1		Run ID: ICPMS1_140523A				SeqNo: 2778993		Prep Date: 5/22/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.14	1.8	7.174	5.756	103	75-125	11.67	11.8	25	

The following samples were analyzed in this batch:		14051131-01A	14051131-02A	14051131-03A
---	--	--------------	--------------	--------------

Client: HRL Compliance Solutions, Inc
Work Order: 14051131
Project: WPX Clough 2-A Backgrounds 5.20.14

QC BATCH REPORT

Batch ID: **58939** Instrument ID **ICPMS2** Method: **SW6020A**

DUP				Sample ID: 14051131-03BDUP				Units: mg/L			Analysis Date: 5/28/2014 02:01 AM			
Client ID: Clough 2-A B-3				Run ID: ICPMS2_140527A				SeqNo: 2782400			Prep Date: 5/27/2014		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Calcium	44.9	10	0	0	0	0-0	46.9	4.36						
Magnesium	11.67	4.0	0	0	0	0-0	12.4	6.02						
Sodium	47.98	4.0	0	0	0	0-0	57.48	18						

DUP				Sample ID: 14051131-03BDUP				Units: none			Analysis Date: 5/27/2014			
Client ID: Clough 2-A B-3				Run ID: SAR_140527A				SeqNo: 2782921			Prep Date: 5/27/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Sodium Adsorption Ratio	1.65	0.010	0	0	0		1.929	15.6	50					

The following samples were analyzed in this batch:

14051131-03B

Batch ID: **58939** Instrument ID **WETCHEM** Method: **USDA H60 Method**

Dup				Sample ID: 14051131-03B DUP				Units: mmhos/cm @25°C		Analysis Date: 5/28/2014 12:15 PM		
Client ID: Clough 2-A B-3				Run ID: WETCHEM_140528B				SeqNo: 2782946		Prep Date: 5/27/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Electrical Conductivity @ Saturation	0.564	0.050	0	0	0		0.606	7.18	50			

The following samples were analyzed in this batch:

14051131-03B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14051131
Project: WPX Clough 2-A Backgrounds 5.20.14

QC BATCH REPORT

Batch ID: **58981** Instrument ID **WETCHEM** Method: **SW9045D**

LCS					Sample ID: LCS-58981-58981					Units: s.u.			Analysis Date: 5/23/2014 03:00 PM				
Client ID:					Run ID: WETCHEM_140523L					SeqNo: 2778211			Prep Date: 5/23/2014			DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC		Control Limit	RPD Ref Value	%RPD		RPD Limit	Qual
pH					4		0	4	0	100		90-110	0				

DUP					Sample ID: 14051124-01B DUP					Units: s.u.		Analysis Date: 5/23/2014 03:00 PM		
Client ID:				Run ID: WETCHEM_140523L				SeqNo: 2778213		Prep Date: 5/23/2014		DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		8.03	0	0	0	0	0-0	7.95	1	20				

The following samples were analyzed in this batch:

14051131-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14051131
Project: WPX Clough 2-A Backgrounds 5.20.14

QC BATCH REPORT

Batch ID: **R141309** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R141309				Units: % of sample		Analysis Date: 5/22/2014 04:52 PM		
Client ID:		Run ID: MOIST_140522C				SeqNo: 2776941		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-R141309				Units: % of sample		Analysis Date: 5/22/2014 04:52 PM		
Client ID:		Run ID: MOIST_140522C				SeqNo: 2776940		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: 14051122-03B DUP				Units: % of sample		Analysis Date: 5/22/2014 04:52 PM		
Client ID:		Run ID: MOIST_140522C				SeqNo: 2776923		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 2.23 0.050 0 0 0 0-0 2.21 0.901 20

DUP		Sample ID: 14051122-10B DUP				Units: % of sample		Analysis Date: 5/22/2014 04:52 PM		
Client ID:		Run ID: MOIST_140522C				SeqNo: 2776932		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 3.07 0.050 0 0 0 0-0 2.67 13.9 20

The following samples were analyzed in this batch:

14051131-01A	14051131-02A	14051131-03A
--------------	--------------	--------------

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 202r8

WORKORDER #

14051131

PAGE

1 of 1

DISPOSAL

(By Lab) or Return to Client

PROJECT NAME WPX Clough 2-A

SAMPLER Reed Wold

DATE

5/21/14

SITE ID

Clough 2-A

TURNAROUND

Standard

EDD FORMAT

PURCHASE ORDER

PROJECT No.

Back ground

COMPANY NAME

HRL Compliance

SEND REPORT TO

Mark Mumby

ADDRESS

2385 F 1/2 Rd

CITY / STATE / ZIP

Grand Junction, CO 81506

PHONE

970-243-3271

FAX

970-243-3280

E-MAIL

mmumby@hrlcomp.com
 rwold@hrlcomp.com

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Bottles

Pres.

QC

Arsenic

SAR/6-1/14

1

Clough 2-A B-1

SO

5/20/14

12:30

1

X

2

Clough 2-A B-2

↓

↓

12:35

1

X

3

Clough 2-A B-3

↓

↓

12:45

2

X

X

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

For metals or anions, please detail analytes below.

Comments:

QC PACKAGE (check below)

X LEVEL II (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw data)

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

Reed Wold

Reed Wold

5/21/14

4:00

RECEIVED BY

W. Mumby

W. Mumby

5/21/14

4:00

RELINQUISHED BY

W. Mumby

W. Mumby

5/21/14

4:00

RECEIVED BY

Reed Wold

Reed Wold

5/22/14

0930

RELINQUISHED BY

Reed Wold

Reed Wold

5/22/14

0930

RECEIVED BY

Reed Wold

Reed Wold

5/22/14

0930

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **22-May-14 09:30**

Work Order: **14051131**

Received by: **KRW**

Checklist completed by Keith Wurenga
eSignature

22-May-14
Date

Reviewed by: Ann Preston
eSignature

22-May-14
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 type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" 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>2.4 C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>5/22/2014 12:26:50 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
 Sample Receiving
 ALS Laboratory Group
 3352 128th Avenue
 Holland, MI 49424

Origin ID: GRRA



Ship Date: 21MAY14
 ActWgt: 72.0 LB
 CAD: 2264840/NET3400

Dims: 24 X 15 X 15 IN

Delivery Address Bar Code



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

BILL SENDER

Ref # 052114-2
 Invoice #
 PO # Parachute
 Dept #

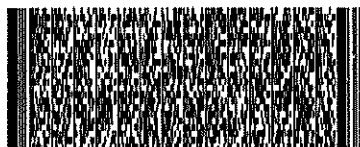
HOLLAND, MI 49424

THU - 22 MAY 10:30A
 PRIORITY OVERNIGHT

TRK# 7700 5970 9173
 0291

68 GRRA

49424
 MI-US
 GRR



022G10203F220

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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.