



30-Apr-2015

Kris Rowe
HRL Compliance Solutions, Inc
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **A&W Trucking - Mclin B Produced Water Spill**

Work Order: **15041325**

Dear Kris,

ALS Environmental received 4 samples on 22-Apr-2015 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 27.

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

Sincerely,

A handwritten signature in cursive script that reads "Les Arnold".

Electronically approved by: Les Arnold

Les Arnold
Senior 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

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Client: HRL Compliance Solutions, Inc
Project: A&W Trucking - Mclin B Produced Water Spill
Work Order: 15041325

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>
15041325-01	Pad Confirmation Sample	Soil		4/21/2015 12:00	4/22/2015 09:30	<input type="checkbox"/>
15041325-02	BKGD 1	Soil		4/21/2015 12:30	4/22/2015 09:30	<input type="checkbox"/>
15041325-03	BKGD 2	Soil		4/21/2015 12:40	4/22/2015 09:30	<input type="checkbox"/>
15041325-04	BKGD 3	Soil		4/21/2015 12:50	4/22/2015 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: A&W Trucking - Mclin B Produced Water Spill
WorkOrder: 15041325

**QUALIFIERS,
ACRONYMS, UNITS**

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

<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: 30-Apr-15

Client: HRL Compliance Solutions, Inc

Project: A&W Trucking - Mclin B Produced Water Spill

Work Order: 15041325

Sample ID: Pad Confirmation Sample

Lab ID: 15041325-01

Collection Date: 4/21/2015 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	53		4.4	mg/Kg-dry	1	4/27/2015 02:03 PM
Surr: 4-Terphenyl-d14	66.8		39-133	%REC	1	4/27/2015 02:03 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		2.7	mg/Kg-dry	1	4/23/2015 06:06 PM
Surr: Toluene-d8	100		50-150	%REC	1	4/23/2015 06:06 PM
MERCURY BY CVAA						
Mercury	ND		0.013	mg/Kg-dry	1	4/23/2015 06:11 PM
METALS ANALYSIS BY ICP						
Arsenic	2.9		0.35	mg/Kg-dry	1	4/23/2015 05:26 PM
Barium	1,500		0.35	mg/Kg-dry	1	4/27/2015 04:43 PM
Cadmium	ND		0.28	mg/Kg-dry	1	4/24/2015 03:58 PM
Chromium	13		0.35	mg/Kg-dry	1	4/23/2015 05:26 PM
Copper	11		0.35	mg/Kg-dry	1	4/24/2015 03:58 PM
Lead	6.7		0.35	mg/Kg-dry	1	4/24/2015 03:58 PM
Nickel	15		0.35	mg/Kg-dry	1	4/24/2015 03:58 PM
Selenium	ND		0.35	mg/Kg-dry	1	4/23/2015 05:26 PM
Silver	ND		0.35	mg/Kg-dry	1	4/23/2015 05:26 PM
Zinc	34		0.69	mg/Kg-dry	1	4/23/2015 05:26 PM
SOLUBLE CATIONS FOR SAR						
Calcium	49		5.0	mg/L	10	4/27/2015 03:59 PM
Magnesium	11		2.0	mg/L	10	4/27/2015 03:59 PM
Sodium	460		2.0	mg/L	10	4/27/2015 03:59 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	16		0.010	none	1	4/24/2015
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Acenaphthylene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Anthracene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Benzo(a)anthracene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Benzo(a)pyrene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Benzo(b)fluoranthene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Benzo(g,h,i)perylene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Benzo(k)fluoranthene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Chrysene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Dibenzo(a,h)anthracene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Fluoranthene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM

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

ALS Group USA, Corp

Date: 30-Apr-15

Client: HRL Compliance Solutions, Inc

Project: A&W Trucking - Mclin B Produced Water Spill

Work Order: 15041325

Sample ID: Pad Confirmation Sample

Lab ID: 15041325-01

Collection Date: 4/21/2015 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Indeno(1,2,3-cd)pyrene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Naphthalene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Pyrene	ND		7.0	µg/Kg-dry	1	4/24/2015 07:25 PM
Surr: 2-Fluorobiphenyl	62.9		12-100	%REC	1	4/24/2015 07:25 PM
Surr: 4-Terphenyl-d14	86.2		25-137	%REC	1	4/24/2015 07:25 PM
Surr: Nitrobenzene-d5	65.1		37-107	%REC	1	4/24/2015 07:25 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 4/23/2015	Analyst: BG
Benzene	ND		32	µg/Kg-dry	1	4/30/2015 09:53 AM
Ethylbenzene	ND		32	µg/Kg-dry	1	4/30/2015 09:53 AM
m,p-Xylene	ND		64	µg/Kg-dry	1	4/30/2015 09:53 AM
o-Xylene	ND		32	µg/Kg-dry	1	4/30/2015 09:53 AM
Toluene	ND		32	µg/Kg-dry	1	4/30/2015 09:53 AM
Xylenes, Total	ND		96	µg/Kg-dry	1	4/30/2015 09:53 AM
Surr: 1,2-Dichloroethane-d4	98.9		70-130	%REC	1	4/30/2015 09:53 AM
Surr: 4-Bromofluorobenzene	95.4		70-130	%REC	1	4/30/2015 09:53 AM
Surr: Dibromofluoromethane	92.5		70-130	%REC	1	4/30/2015 09:53 AM
Surr: Toluene-d8	98.1		70-130	%REC	1	4/30/2015 09:53 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 4/27/2015	Analyst: JB
Electrical Conductivity @ Saturation	2.9		0.050	mmhos/cm @2	10	4/27/2015 04:15 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JB
Chromium, Trivalent	13		0.53	mg/Kg-dry	1	4/27/2015 05:50 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 4/24/2015	Analyst: MB
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	4/27/2015 03:30 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	6.0		0.050	% of sample	1	4/24/2015 04:48 PM
PH			SW9045D		Prep Date: 4/27/2015	Analyst: KF
pH	8.8			s.u.	1	4/28/2015 12:00 PM

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

ALS Group USA, Corp**Date:** 30-Apr-15**Client:** HRL Compliance Solutions, Inc**Project:** A&W Trucking - Mclin B Produced Water Spill**Work Order:** 15041325**Sample ID:** BKGD 1**Lab ID:** 15041325-02**Collection Date:** 4/21/2015 12:30 PM**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			SW846 6010C		Prep Date: 4/23/2015	Analyst: JEC
Arsenic	5.1		0.42	mg/Kg-dry	1	4/23/2015 05:32 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep Date: 4/27/2015	Analyst: JEC
Calcium	210		5.0	mg/L	10	4/27/2015 04:04 PM
Magnesium	58		2.0	mg/L	10	4/27/2015 04:04 PM
Sodium	37		2.0	mg/L	10	4/27/2015 04:04 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 4/27/2015	Analyst: JEC
Sodium Adsorption Ratio	0.59		0.010	none	1	4/24/2015
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 4/27/2015	Analyst: JB
Electrical Conductivity @ Saturation	2.0		0.050	mmhos/cm @2	10	4/27/2015 04:15 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	11		0.050	% of sample	1	4/24/2015 04:48 PM
PH			SW9045D		Prep Date: 4/27/2015	Analyst: KF
pH	8.0			s.u.	1	4/27/2015 11:00 AM

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

ALS Group USA, Corp

Date: 30-Apr-15

Client: HRL Compliance Solutions, Inc

Project: A&W Trucking - Mclin B Produced Water Spill

Work Order: 15041325

Sample ID: BKGD 2

Lab ID: 15041325-03

Collection Date: 4/21/2015 12:40 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS ANALYSIS BY ICP			SW846 6010C		Prep Date: 4/23/2015	Analyst: JEC
Arsenic	6.0		0.42	mg/Kg-dry	1	4/23/2015 05:37 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	10		0.050	% of sample	1	4/24/2015 04:48 PM

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

ALS Group USA, Corp

Date: 30-Apr-15

Client: HRL Compliance Solutions, Inc

Project: A&W Trucking - Mclin B Produced Water Spill

Work Order: 15041325

Sample ID: BKGD 3

Lab ID: 15041325-04

Collection Date: 4/21/2015 12:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP						
Arsenic	5.4		SW846 6010C 0.48	mg/Kg-dry	Prep Date: 4/23/2015 1	Analyst: JEC 4/23/2015 05:43 PM
MOISTURE						
Moisture	16		E160.3M 0.050	% of sample	1	Analyst: EVB 4/24/2015 04:48 PM

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

Client: HRL Compliance Solutions, Inc

Work Order: 15041325

Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70221**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: DBLKS1-70221-70221				Units: mg/Kg		Analysis Date: 4/24/2015 06:06 PM		
Client ID:		Run ID: GC8_150424C				SeqNo: 3243531		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	ND	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.63	0	2	0	81.5	39-133	0			

LCS		Sample ID: DLCSS1-70221-70221				Units: mg/Kg		Analysis Date: 4/24/2015 06:36 PM		
Client ID:		Run ID: GC8_150424C				SeqNo: 3243532		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	205.4	5.0	200	0	103	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.526	0	2	0	76.3	39-133	0			

MS		Sample ID: 15041416-01C MS				Units: mg/Kg		Analysis Date: 4/24/2015 07:36 PM		
Client ID:		Run ID: GC8_150424C				SeqNo: 3243533		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	294.2	8.2	327.9	53.95	73.3	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	2.693	0	3.279	0	82.1	39-133	0			

MSD		Sample ID: 15041416-01C MSD				Units: mg/Kg		Analysis Date: 4/24/2015 08:06 PM		
Client ID:		Run ID: GC8_150424C				SeqNo: 3243534		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	383.6	8.2	329.2	53.95	100	48-110	294.2	26.4	30	
<i>Surr: 4-Terphenyl-d14</i>	3.866	0	3.292	0	117	39-133	2.693	35.8	30	R

The following samples were analyzed in this batch:

15041325-01A

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70212** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-70212-70212				Units: µg/Kg		Analysis Date: 4/23/2015 05:41 PM		
Client ID:		Run ID: GC9_150423B				SeqNo: 3239759		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	5678	0	5000	0	114	50-150	0			

LCS		Sample ID: LCS-70212-70212				Units: µg/Kg		Analysis Date: 4/23/2015 05:17 PM		
Client ID:		Run ID: GC9_150423B				SeqNo: 3239758		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	456200	2,500	500000	0	91.2	70-130	0			
Surr: Toluene-d8	5562	0	5000	0	111	50-150	0			

MS		Sample ID: 15041325-01A MS				Units: µg/Kg		Analysis Date: 4/23/2015 06:56 PM		
Client ID: Pad Confirmation Sample		Run ID: GC9_150423B				SeqNo: 3239762		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	518800	2,500	500000	0	104	70-130	0			
Surr: Toluene-d8	4104	0	5000	0	82.1	50-150	0			

MSD		Sample ID: 15041325-01A MSD				Units: µg/Kg		Analysis Date: 4/23/2015 07:21 PM		
Client ID: Pad Confirmation Sample		Run ID: GC9_150423B				SeqNo: 3239763		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	465400	2,500	500000	0	93.1	70-130	518800	10.9	30	
Surr: Toluene-d8	4730	0	5000	0	94.6	50-150	4104	14.2	30	

The following samples were analyzed in this batch:

15041325-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70149** Instrument ID **HG1** Method: **SW7471B**

MBLK		Sample ID: MBLK-70149-70149					Units: mg/Kg		Analysis Date: 4/23/2015 03:52 PM		
Client ID:		Run ID: HG1_150423A					SeqNo: 3239245		Prep Date: 4/23/2015		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-70149-70149				Units: mg/Kg		Analysis Date: 4/23/2015 03:54 PM		
Client ID:		Run ID: HG1_150423A				SeqNo: 3239246		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1788 0.020 0.1665 0 107 80-120 0

MS		Sample ID: 15041266-07CMS					Units: mg/Kg		Analysis Date: 4/23/2015 04:05 PM	
Client ID:			Run ID: HG1_150423A			SeqNo: 3239251		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1155 0.012 0.1016 0.01184 102 75-125 0

MSD		Sample ID: 15041266-07CMSD				Units: mg/Kg		Analysis Date: 4/23/2015 04:08 PM		
Client ID:		Run ID: HG1_150423A			SeqNo: 3239252		Prep Date: 4/23/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1209 0.013 0.1054 0.01184 103 75-125 0.1155 4.55 35

The following samples were analyzed in this batch:

15041325-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70150** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 15041394-02ADUP				Units: mg/L		Analysis Date: 4/27/2015 02:59 PM		
Client ID:		Run ID: ICP2_150427A				SeqNo: 3244355		Prep Date: 4/27/2015		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	141.7	5.0	0	0	0	0-0	152.5	7.34		
Magnesium	27.16	2.0	0	0	0	0-0	51.75	62.3		
Sodium	535.8	2.0	0	0	0	0-0	527.3	1.59		

DUP		Sample ID: 15041394-02ADUP				Units: none		Analysis Date: 4/27/2015		
Client ID:		Run ID: SAR_150427A				SeqNo: 3244459		Prep Date: 4/27/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	10.8	0.010	0	0	0		9.415	13.7	50	

The following samples were analyzed in this batch:

15041325-01B	15041325-02A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70199** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK		Sample ID: MBLK-70199-70199				Units: mg/L		Analysis Date: 4/23/2015 04:58 PM		
Client ID:		Run ID: ICP2_150423A				SeqNo: 3240005		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
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	ND	0.50								

LCS		Sample ID: LCS-70199-70199				Units: mg/L		Analysis Date: 4/23/2015 05:04 PM		
Client ID:		Run ID: ICP2_150423A				SeqNo: 3240006		Prep Date: 4/23/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.712	0.25	5	0	94.2	80-120	0			
Cadmium	4.711	0.50	5	0	94.2	80-120	0			
Chromium	5.055	0.25	5	0	101	80-120	0			
Copper	5.103	0.50	5	0	102	80-120	0			
Lead	5.016	0.25	5	0	100	80-120	0			
Nickel	5.102	0.25	5	0	102	80-120	0			
Selenium	4.757	0.50	5	0	95.1	80-120	0			
Silver	4.929	0.25	5	0	98.6	80-120	0			
Zinc	4.976	0.50	5	0	99.5	80-120	0			

MS		Sample ID: 15041390-01AMS				Units: mg/Kg		Analysis Date: 4/24/2015 04:26 PM		
Client ID:		Run ID: ICP2_150424A				SeqNo: 3243115		Prep Date: 4/23/2015		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.72	0.65	6.502	4.471	111	75-125	0			
Cadmium	6.347	1.3	6.502	0	97.6	75-125	0			
Chromium	19.11	0.65	6.502	10.73	129	75-125	0			S
Copper	37.24	1.3	6.502	28.05	141	75-125	0			SO
Lead	14.82	0.65	6.502	11.89	45.1	75-125	0			S
Nickel	20.12	0.65	6.502	12.99	110	75-125	0			
Selenium	6.551	1.3	6.502	0	101	75-125	0			
Silver	7.284	0.65	6.502	0.1313	110	75-125	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70199** Instrument ID **ICP2** Method: **SW846 6010C**

MS		Sample ID: 15041390-01AMS				Units: mg/Kg		Analysis Date: 4/27/2015 03:31 PM		
Client ID:		Run ID: ICP2_150427A				SeqNo: 3244621		Prep Date: 4/23/2015		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	3498	0.65	6.502	3583	-1310	75-125	0			SO

MSD		Sample ID: 15041390-01AMSD				Units: mg/Kg		Analysis Date: 4/24/2015 04:32 PM		
Client ID:		Run ID: ICP2_150424A				SeqNo: 3243116		Prep Date: 4/23/2015		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.64	0.65	6.485	4.471	111	75-125	11.72	0.649	20	
Cadmium	6.539	1.3	6.485	0	101	75-125	6.347	2.98	20	
Chromium	19.47	0.65	6.485	10.73	135	75-125	19.11	1.88	20	S
Copper	36.1	1.3	6.485	28.05	124	75-125	37.24	3.1	20	O
Lead	13.8	0.65	6.485	11.89	29.4	75-125	14.82	7.16	20	S
Nickel	19.77	0.65	6.485	12.99	105	75-125	20.12	1.78	20	
Selenium	6.777	1.3	6.485	0	105	75-125	6.551	3.4	20	
Silver	7.444	0.65	6.485	0.1313	113	75-125	7.284	2.17	20	

MSD		Sample ID: 15041390-01AMSD				Units: mg/Kg		Analysis Date: 4/27/2015 03:36 PM		
Client ID:		Run ID: ICP2_150427A				SeqNo: 3244622		Prep Date: 4/23/2015		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	4002	0.65	6.485	3583	6470	75-125	3498	13.5	20	SO

The following samples were analyzed in this batch:

15041325-01A	15041325-02A	15041325-03A
15041325-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70218** Instrument ID **SVMS4** Method: **SW846 8270D**

MBLK		Sample ID: SBLKS1-70218-70218				Units: µg/Kg		Analysis Date: 4/24/2015 04:45 PM		
Client ID:		Run ID: SVMS4_150424B				SeqNo: 3242399		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
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>	990	0	1667	0	59.4	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1719	0	1667	0	103	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	982.7	0	1667	0	59	37-107	0			

LCS		Sample ID: SLCSS1-70218-70218				Units: µg/Kg		Analysis Date: 4/24/2015 05:11 PM		
Client ID:		Run ID: SVMS4_150424B				SeqNo: 3242400		Prep Date: 4/24/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	498	6.7	666.7	0	74.7	45-110	0			
Acenaphthylene	534.7	6.7	666.7	0	80.2	45-105	0			
Anthracene	640	6.7	666.7	0	96	55-105	0			
Benzo(a)anthracene	645.7	6.7	666.7	0	96.8	50-110	0			
Benzo(a)pyrene	622	6.7	666.7	0	93.3	50-110	0			
Benzo(b)fluoranthene	622.7	6.7	666.7	0	93.4	45-115	0			
Benzo(g,h,i)perylene	745.3	6.7	666.7	0	112	40-125	0			
Benzo(k)fluoranthene	607.3	6.7	666.7	0	91.1	45-115	0			
Chrysene	625	6.7	666.7	0	93.7	55-110	0			
Dibenzo(a,h)anthracene	721.3	6.7	666.7	0	108	40-125	0			
Fluoranthene	702	6.7	666.7	0	105	55-115	0			
Fluorene	543.7	6.7	666.7	0	81.5	50-110	0			
Indeno(1,2,3-cd)pyrene	749.3	6.7	666.7	0	112	40-120	0			
Naphthalene	482.7	6.7	666.7	0	72.4	40-105	0			
Pyrene	730.7	6.7	666.7	0	110	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1386	0	1667	0	83.2	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1918	0	1667	0	115	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1361	0	1667	0	81.6	37-107	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70218** Instrument ID **SVMS4** Method: **SW846 8270D**

MS				Sample ID: 15041350-03A MS			Units: µg/Kg		Analysis Date: 4/24/2015 06:05 PM	
Client ID:				Run ID: SVMS4_150424B			SeqNo: 3242401		Prep Date: 4/24/2015	
							DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1542	130	1312	0	117	45-110	0			S
Acenaphthylene	1174	130	1312	0	89.5	45-105	0			
Anthracene	1201	130	1312	123.9	82.1	55-105	0			
Benzo(a)anthracene	1726	130	1312	384.7	102	50-110	0			
Benzo(a)pyrene	1837	130	1312	489.1	103	50-110	0			
Benzo(b)fluoranthene	1909	130	1312	632.5	97.3	45-115	0			
Benzo(g,h,i)perylene	1647	130	1312	329.3	100	40-125	0			
Benzo(k)fluoranthene	1608	130	1312	313	98.6	45-115	0			
Chrysene	1483	130	1312	414.1	81.4	55-110	0			
Dibenzo(a,h)anthracene	1417	130	1312	0	108	40-125	0			
Fluoranthene	1981	130	1312	652.1	101	55-115	0			
Fluorene	1194	130	1312	0	91	50-110	0			
Indeno(1,2,3-cd)pyrene	1824	130	1312	427.1	106	40-120	0			
Naphthalene	1509	130	1312	446.7	81	40-105	0			
Pyrene	1785	130	1312	606.5	89.8	45-125	0			
Surr: 2-Fluorobiphenyl	2808	0	3281	0	85.6	12-100	0			
Surr: 4-Terphenyl-d14	3182	0	3281	0	97	25-137	0			
Surr: Nitrobenzene-d5	2611	0	3281	0	79.6	37-107	0			

MSD				Sample ID: 15041350-03A MSD			Units: µg/Kg		Analysis Date: 4/24/2015 06:31 PM	
Client ID:				Run ID: SVMS4_150424B			SeqNo: 3242402		Prep Date: 4/24/2015	
							DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1464	130	1307	0	112	45-110	1542	5.17	30	S
Acenaphthylene	1124	130	1307	0	86	45-105	1174	4.37	30	
Anthracene	1275	130	1307	123.9	88	55-105	1201	5.97	30	
Benzo(a)anthracene	1549	130	1307	384.7	89.1	50-110	1726	10.8	30	
Benzo(a)pyrene	1732	130	1307	489.1	95.1	50-110	1837	5.88	30	
Benzo(b)fluoranthene	1843	130	1307	632.5	92.6	45-115	1909	3.52	30	
Benzo(g,h,i)perylene	1582	130	1307	329.3	95.8	40-125	1647	4.03	30	
Benzo(k)fluoranthene	1438	130	1307	313	86.1	45-115	1608	11.1	30	
Chrysene	1392	130	1307	414.1	74.8	55-110	1483	6.3	30	
Dibenzo(a,h)anthracene	1373	130	1307	0	105	40-125	1417	3.2	30	
Fluoranthene	1778	130	1307	652.1	86.1	55-115	1981	10.8	30	
Fluorene	1092	130	1307	0	83.5	50-110	1194	8.98	30	
Indeno(1,2,3-cd)pyrene	1856	130	1307	427.1	109	40-120	1824	1.76	30	
Naphthalene	1386	130	1307	446.7	71.8	40-105	1509	8.52	30	
Pyrene	1726	130	1307	606.5	85.6	45-125	1785	3.36	30	
Surr: 2-Fluorobiphenyl	2673	0	3268	0	81.8	12-100	2808	4.92	40	
Surr: 4-Terphenyl-d14	3170	0	3268	0	97	25-137	3182	0.38	40	
Surr: Nitrobenzene-d5	2235	0	3268	0	68.4	37-107	2611	15.5	40	

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70218** Instrument ID **SVMS4** Method: **SW846 8270D**

The following samples were analyzed in this batch:

15041325- 01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70256** Instrument ID **VMS7** Method: **SW8260B**

MBLK				Sample ID: MBLK-70256-70256				Units: µg/Kg			Analysis Date: 4/24/2015 11:32 AM			
Client ID:				Run ID: VMS7_150424A				SeqNo: 3243968			Prep Date: 4/23/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Benzene	ND	30												
Ethylbenzene	ND	30												
m,p-Xylene	ND	60												
o-Xylene	ND	30												
Toluene	ND	30												
Xylenes, Total	ND	90												
Surr: 1,2-Dichloroethane-d4	1010	0	1000	0	101	70-130		0						
Surr: 4-Bromofluorobenzene	1014	0	1000	0	101	70-130		0						
Surr: Dibromofluoromethane	958.5	0	1000	0	95.8	70-130		0						
Surr: Toluene-d8	991.5	0	1000	0	99.2	70-130		0						

LCS				Sample ID: LCS-70256-70256			Units: µg/Kg		Analysis Date: 4/24/2015 09:53 AM		
Client ID:			Run ID: VMS7_150424A			SeqNo: 3243967		Prep Date: 4/23/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1060	30	1000	0	106	75-125	0				
Ethylbenzene	1070	30	1000	0	107	75-125	0				
m,p-Xylene	2104	60	2000	0	105	80-125	0				
o-Xylene	1046	30	1000	0	105	75-125	0				
Toluene	1042	30	1000	0	104	70-125	0				
Xylenes, Total	3150	90	3000	0	105	75-125	0				
Surr: 1,2-Dichloroethane-d4	995.5	0	1000	0	99.6	70-130	0				
Surr: 4-Bromofluorobenzene	995	0	1000	0	99.5	70-130	0				
Surr: Dibromofluoromethane	1012	0	1000	0	101	70-130	0				
Surr: Toluene-d8	1003	0	1000	0	100	70-130	0				

The following samples were analyzed in this batch:

15041325-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70150** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP		Sample ID: 15041394-02A DUP				Units: mmhos/cm @25°		Analysis Date: 4/27/2015 04:15 PM		
Client ID:		Run ID: WETCHEM_150427M				SeqNo: 3244680		Prep Date: 4/27/2015		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	3.59	0.050	0	0	0		3.87	7.51	50	

The following samples were analyzed in this batch:

15041325-01B	15041325-02A
--------------	--------------

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70319** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-70319-70319				Units: s.u.		Analysis Date: 4/27/2015 11:00 AM		
Client ID:		Run ID: WETCHEM_150427U				SeqNo: 3244941		Prep Date: 4/27/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 3.95 0 4 0 98.8 90-110 0

DUP		Sample ID: 15041323-01B DUP				Units: s.u.		Analysis Date: 4/27/2015 11:00 AM		
Client ID:		Run ID: WETCHEM_150427U				SeqNo: 3244943		Prep Date: 4/27/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 9.37 0 0 0 0 0-0 9.36 0.107 20

DUP				Sample ID: 15041323-11B DUP				Units: s.u.			Analysis Date: 4/27/2015 11:00 AM			
Client ID:				Run ID: WETCHEM_150427U				SeqNo: 3244953			Prep Date: 4/27/2015		DF: 1	
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 9.75 0 0 0 0 0-0 9.9 1.53 20

The following samples were analyzed in this batch:

15041325-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70343** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-70343-70343					Units: s.u.		Analysis Date: 4/28/2015 12:00 PM		
Client ID:		Run ID: WETCHEM_150428B					SeqNo: 3245904		Prep Date: 4/27/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

pH 3.97 0 4 0 99.2 90-110 0

DUP		Sample ID: 15041330-01B DUP				Units: s.u.		Analysis Date: 4/28/2015 12:00 PM		
Client ID:		Run ID: WETCHEM_150428B				SeqNo: 3245908		Prep Date: 4/27/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 9.26 0 0 0 0 0-0 9.27 0.108 20

DUP				Sample ID: 15041420-01B DUP				Units: s.u.			Analysis Date: 4/28/2015 12:00 PM			
Client ID:				Run ID: WETCHEM_150428B				SeqNo: 3245910			Prep Date: 4/27/2015		DF: 1	
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 10.1 0 0 0 0 0-0 9.73 3.73 20

The following samples were analyzed in this batch:

15041325-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **70353** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-70353-70353				Units: mg/Kg		Analysis Date: 4/27/2015 03:30 PM			
Client ID:	Run ID: WETCHEM_150427L				SeqNo: 3244649		Prep Date: 4/24/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 1.0

LCS	Sample ID: LCS-70353-70353				Units: mg/Kg		Analysis Date: 4/27/2015 03:30 PM			
Client ID:	Run ID: WETCHEM_150427L				SeqNo: 3244650		Prep Date: 4/24/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.26 1.0 5 0 85.2 80-120 0

MS	Sample ID: 15041352-09A MS				Units: mg/Kg		Analysis Date: 4/27/2015 03:30 PM			
Client ID:	Run ID: WETCHEM_150427L				SeqNo: 3244658		Prep Date: 4/24/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 1.0 5 0.05426 -1.09 75-125 0 S

MS	Sample ID: 15041352-09A MSI				Units: mg/Kg		Analysis Date: 4/27/2015 03:30 PM			
Client ID:	Run ID: WETCHEM_150427L				SeqNo: 3244665		Prep Date: 4/24/2015		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2096 93 2667 0.05426 78.6 75-125 0

MSD	Sample ID: 15041352-09A MSD				Units: mg/Kg		Analysis Date: 4/27/2015 03:30 PM			
Client ID:	Run ID: WETCHEM_150427L				SeqNo: 3244659		Prep Date: 4/24/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 1.0 5 0.05426 -1.09 75-125 0.25 0 20 S

The following samples were analyzed in this batch:

15041325-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 15041325
Project: A&W Trucking - Mclin B Produced Water Spill

QC BATCH REPORT

Batch ID: **R162132** Instrument ID **MOIST** Method: **E160.3M**

MBLK				Sample ID: WBLKS-R162132				Units: % of sample			Analysis Date: 4/24/2015 04:48 PM			
Client ID:				Run ID: MOIST_150424C				SeqNo: 3244088			Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Moisture		0.03	0.050								J			

LCS		Sample ID: LCS-R162132				Units: % of sample		Analysis Date: 4/24/2015 04:48 PM		
Client ID:		Run ID: MOIST_150424C			SeqNo: 3244087		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: 15041323-15B DUP				Units: % of sample			Analysis Date: 4/24/2015 04:48 PM			
Client ID:				Run ID: MOIST_150424C				SeqNo: 3244063			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Moisture	13.59	0.050	0	0	0		13.21	2.84	20					

DUP		Sample ID: 15041323-25B DUP					Units: % of sample		Analysis Date: 4/24/2015 04:48 PM		
Client ID:		Run ID: MOIST_150424C			SeqNo: 3244074		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	6.46	0.050	0	0	0		6.81	5.28	20		

The following samples were analyzed in this batch:

15041325-01A	15041325-02A	15041325-03A
15041325-04A		

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



ALS Laboratory Group

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

Chain-of-Custody

Form 202r8

WORKORDER #

15041325

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME A&W Trucking - McIn B Produced Water Spill

SAMPLER Kris Rowe

DATE

4/21/2015

SITE ID McIn B

TURNAROUND

STD 5 Day

PROJECT No.

EDD FORMAT

PURCHASE ORDER

COMPANY NAME HRL COMPLIANCE SOLUTIONS Inc.

BILL TO COMPANY HRL

SEND REPORT TO Kris Rowe

INVOICE ATTN TO

ADDRESS 2385 F 1/2 RD

ADDRESS

CITY / STATE / ZIP GRAND JUNCTION CO 81505

CITY / STATE / ZIP

PHONE 970-243-3271

PHONE

FAX 970-243-3280

FAX

E-MAIL krowe@hrlcomp.com

E-MAIL

Lab ID

Field ID

Matrix

Sample Date

Sample Time

Bottles

Pres.

QC

DRO

GRO

BTEX

SEMI VOLS - PAH

TABLE 910-1 METALS

SAR / EC / pH

ARSENIC

1 Pad Confirmation Sample

S

4/21/2015

12:00

2

1.8

x

x

x

x

x

x

S

4/21/2015

1230

2

1.8

x

x

S

4/21/2015

1240

2

1.8

x

S

4/21/2015

1250

2

1.8

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)

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 B-4 degrees C 9-5035

SIGNATURE

PRINTED NAME

DATE

TIME

RELINQUISHED BY

Kris Rowe

4/21/2015

1:25

RECEIVED BY

4-21-15

1:26

RELINQUISHED BY

4-21-15

1:30

RECEIVED BY

Diane C. Shea

4/22/15

0930

RELINQUISHED BY

RECEIVED BY

From: (616) 298-1033
Nick Martinez
ALS Environmental
127 E. 1st Street

Origin ID: RILA

FedEx
Express



J151215022303UW

PARACHUTE, CO 81635

SHIP TO: (616) 399-6878
sample receiving
ALS Laboratory Group
3352 128TH AVE

BILL SENDER

HOLLAND, MI 49424

Ship Date: 21APR15
ActWgt: 40.0 LB
CAD: 2264840/NET3610

Dims: 24 X 15 X 15 IN

Delivery Address Bar Code



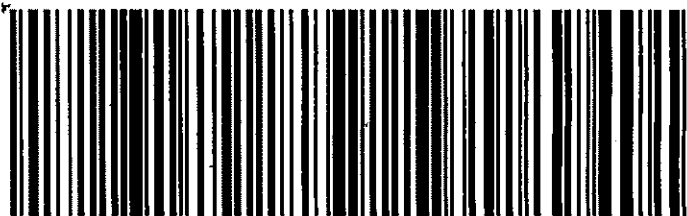
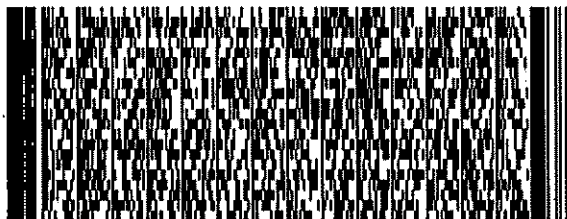
Ref # 042115-1
Invoice #
PO # Parachute
Dept #

WED - 22 APR 10:30A
PRIORITY OVERNIGHT

TRK# 7734 2463 2792
0201

XX HLMA

49424
MI-US
GRR



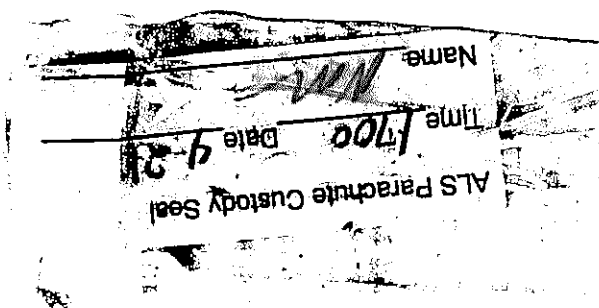
537 J28FC5/EE4B

After printing this label:

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

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

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



Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 22-Apr-15 09:30

Work Order: 15041325

Received by: DS

Checklist completed by Diane Shaw 22-Apr-15
eSignature Date

Reviewed by: Chad Whelton 23-Apr-15
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>4.6 c</u> <u>SR2</u>		
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>4/22/2015 2:10:00 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:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: