



Legend

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

GV 84-1
Arsenic Background Sample Location Map
T7S R95W, Section 1

October 18, 2013





03-Sep-2013

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

Re: **WPX GV 84-1 Cuttings 8/23/13**

Work Order: **1308955**

Dear Mark,

ALS Environmental received 6 samples on 24-Aug-2013 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 28.

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

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Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Work Order: 1308955

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>
1308955-01	GV 84-1 cuttings	Soil		8/23/2013 09:00	8/24/2013 11:15	<input type="checkbox"/>
1308955-02	GV 84-1-B-1	Soil		8/23/2013 09:20	8/24/2013 11:15	<input type="checkbox"/>
1308955-03	GV 84-1-B-2	Soil		8/23/2013 09:25	8/24/2013 11:15	<input type="checkbox"/>
1308955-04	GV 84-1-B-3	Soil		8/23/2013 09:30	8/24/2013 11:15	<input type="checkbox"/>
1308955-05	GV 84-1-B-4	Soil		8/23/2013 09:35	8/24/2013 11:15	<input type="checkbox"/>
1308955-06	GV 84-1-B-5	Soil		8/23/2013 09:40	8/24/2013 11:15	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Work Order: 1308955

Case Narrative

Batch 50874 MS/MSD data for Hexavalent Chromium is not related to this project's samples. No data requires qualification.

Batch 50879 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
WorkOrder: 1308955

**QUALIFIERS,
ACRONYMS, UNITS**

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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
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
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: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1 cuttings
Collection Date: 8/23/2013 09:00 AM

Work Order: 1308955
Lab ID: 1308955-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	160		SW8015M		Prep Date: 8/26/2013	Analyst: CW
			5.0	mg/Kg-dry	1	8/26/2013 07:53 PM
Surr: 4-Terphenyl-d14	55.2		39-115	%REC	1	8/26/2013 07:53 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep Date: 8/27/2013	Analyst: CW
			3.0	mg/Kg-dry	1	8/28/2013 06:22 PM
Surr: Toluene-d8	107		50-150	%REC	1	8/28/2013 06:22 PM
MERCURY BY CVAA						
Mercury	0.036		SW7471		Prep Date: 8/30/2013	Analyst: LR
			0.017	mg/Kg-dry	1	8/30/2013 03:09 PM
METALS BY ICP-MS						
Arsenic	5.5		SW6020A		Prep Date: 8/28/2013	Analyst: ML
			2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Barium	2,900		21	mg/Kg-dry	50	8/30/2013 12:31 AM
Cadmium	ND		0.82	mg/Kg-dry	5	8/29/2013 10:39 AM
Chromium	17		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Copper	28		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Lead	20		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Nickel	12		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Selenium	ND		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Silver	ND		2.1	mg/Kg-dry	5	8/29/2013 10:39 AM
Zinc	56		4.1	mg/Kg-dry	5	8/29/2013 10:39 AM
SOLUBLE CATIONS FOR SAR						
Calcium	140		SW6020A		Prep Date: 8/28/2013	Analyst: RH
			10	mg/L	20	8/28/2013 02:50 PM
Magnesium	17		4.0	mg/L	20	8/28/2013 02:50 PM
Sodium	1,000		4.0	mg/L	20	8/28/2013 02:50 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	22		USDA H60 METHO		Prep Date: 8/28/2013	Analyst: RH
			0.010	none	1	8/28/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 8/26/2013	Analyst: RM
			18	µg/Kg-dry	1	8/27/2013 09:18 PM
Acenaphthylene	ND		36	µg/Kg-dry	1	8/27/2013 09:18 PM
Anthracene	ND		18	µg/Kg-dry	1	8/27/2013 09:18 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	8/27/2013 09:18 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	8/27/2013 09:18 PM
Benzo(b)fluoranthene	ND		22	µg/Kg-dry	1	8/27/2013 09:18 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	8/27/2013 09:18 PM
Benzo(k)fluoranthene	ND		22	µg/Kg-dry	1	8/27/2013 09:18 PM
Chrysene	ND		18	µg/Kg-dry	1	8/27/2013 09:18 PM
Dibenzo(a,h)anthracene	ND		22	µg/Kg-dry	1	8/27/2013 09:18 PM
Fluoranthene	ND		18	µg/Kg-dry	1	8/27/2013 09:18 PM

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

ALS Group USA, Corp

Date: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1 cuttings
Collection Date: 8/23/2013 09:00 AM

Work Order: 1308955
Lab ID: 1308955-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		18	µg/Kg-dry	1	8/27/2013 09:18 PM
Indeno(1,2,3-cd)pyrene	ND		24	µg/Kg-dry	1	8/27/2013 09:18 PM
Naphthalene	65		18	µg/Kg-dry	1	8/27/2013 09:18 PM
Pyrene	ND		18	µg/Kg-dry	1	8/27/2013 09:18 PM
Surr: 2-Fluorobiphenyl	73.4		12-100	%REC	1	8/27/2013 09:18 PM
Surr: 4-Terphenyl-d14	116		25-137	%REC	1	8/27/2013 09:18 PM
Surr: Nitrobenzene-d5	70.6		37-107	%REC	1	8/27/2013 09:18 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B	Prep Date: 8/27/2013 Analyst: AK		
Benzene	ND		36	µg/Kg-dry	1	8/29/2013 05:09 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	8/29/2013 05:09 AM
m,p-Xylene	100		73	µg/Kg-dry	1	8/29/2013 05:09 AM
o-Xylene	ND		36	µg/Kg-dry	1	8/29/2013 05:09 AM
Toluene	120		36	µg/Kg-dry	1	8/29/2013 05:09 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/29/2013 05:09 AM
Surr: 1,2-Dichloroethane-d4	97.0		70-130	%REC	1	8/29/2013 05:09 AM
Surr: 4-Bromofluorobenzene	105		70-130	%REC	1	8/29/2013 05:09 AM
Surr: Dibromofluoromethane	111		70-130	%REC	1	8/29/2013 05:09 AM
Surr: Toluene-d8	93.0		70-130	%REC	1	8/29/2013 05:09 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO	Prep Date: 8/28/2013 Analyst: JB		
Electrical Conductivity @ Saturation	5.6		0.025	mmhos/cm @25	5	8/28/2013 03:30 PM
CHROMIUM, TRIVALENT			CALCULATION	Analyst: JJG		
Chromium, Trivalent	17		0.61	mg/Kg-dry	1	9/3/2013 08:30 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep Date: 8/26/2013 Analyst: MB		
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	8/27/2013 04:00 PM
MOISTURE			A2540 G	Analyst: BAS		
Moisture	18		0.050	% of sample	1	8/29/2013 11:00 AM
PH			SW9045D	Prep Date: 8/28/2013 Analyst: BAS		
pH	8.7		s.u.		1	8/28/2013 11:00 AM

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

ALS Group USA, Corp**Date:** 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1-B-1
Collection Date: 8/23/2013 09:20 AM

Work Order: 1308955
Lab ID: 1308955-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 8/28/2013	Analyst: ML
Arsenic	5.2		1.8	mg/Kg-dry	5	8/29/2013 10:46 AM
MOISTURE			A2540 G			Analyst: BAS
Moisture	3.3		0.050	% of sample	1	8/29/2013 11:00 AM

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

ALS Group USA, Corp

Date: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1-B-2
Collection Date: 8/23/2013 09:25 AM

Work Order: 1308955
Lab ID: 1308955-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 8/28/2013	Analyst: ML
Arsenic	4.2		1.8	mg/Kg-dry	5	8/29/2013 10:52 AM
MOISTURE			A2540 G			Analyst: BAS
Moisture	4.0		0.050	% of sample	1	8/29/2013 11:00 AM

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

ALS Group USA, Corp

Date: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1-B-3
Collection Date: 8/23/2013 09:30 AM

Work Order: 1308955
Lab ID: 1308955-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 8/28/2013	Analyst: ML
Arsenic	4.8		1.7	mg/Kg-dry	5	8/29/2013 10:58 AM
MOISTURE			A2540 G			Analyst: BAS
Moisture	2.5		0.050	% of sample	1	8/29/2013 11:00 AM

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

ALS Group USA, Corp

Date: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1-B-4
Collection Date: 8/23/2013 09:35 AM

Work Order: 1308955
Lab ID: 1308955-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 8/28/2013	Analyst: ML
Arsenic	5.0		1.7	mg/Kg-dry	5	8/29/2013 11:05 AM
MOISTURE			A2540 G			Analyst: BAS
Moisture	3.1		0.050	% of sample	1	8/29/2013 11:00 AM

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

ALS Group USA, Corp

Date: 03-Sep-13

Client: HRL Compliance Solutions
Project: WPX GV 84-1 Cuttings 8/23/13
Sample ID: GV 84-1-B-5
Collection Date: 8/23/2013 09:40 AM

Work Order: 1308955
Lab ID: 1308955-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 8/28/2013	Analyst: ML
Arsenic	4.7		1.7	mg/Kg-dry	5	8/29/2013 11:11 AM
MOISTURE			A2540 G			Analyst: BAS
Moisture	3.2		0.050	% of sample	1	8/29/2013 11:00 AM

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

Client: HRL Compliance Solutions

Work Order: 1308955

Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: 50816

Instrument ID GC8

Method: SW8015M

MBLK		Sample ID: DBLKS1-50816-50816				Units: mg/Kg		Analysis Date: 8/26/2013 03:22 PM		
Client ID:		Run ID: GC8_130826A				SeqNo: 2426659		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	0.9113	0	1.667	0	54.7	39-115	0			

LCS		Sample ID: DLCSS1-50816-50816				Units: mg/Kg		Analysis Date: 8/26/2013 03:52 PM		
Client ID:		Run ID: GC8_130826A				SeqNo: 2426660		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	150.2	4.2	166.7	0	90.1	49-124	0			
Surr: 4-Terphenyl-d14	0.7967	0	1.667	0	47.8	39-115	0			

MS		Sample ID: 1308854-01A MS				Units: mg/Kg		Analysis Date: 8/26/2013 04:22 PM		
Client ID:		Run ID: GC8_130826A				SeqNo: 2426661		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	578.1	12	490.3	143.1	88.7	49-130	0			
Surr: 4-Terphenyl-d14	2.993	0	4.903	0	61	39-115	0			

MSD		Sample ID: 1308854-01A MSD				Units: mg/Kg		Analysis Date: 8/26/2013 04:52 PM		
Client ID:		Run ID: GC8_130826A				SeqNo: 2426662		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	565.1	12	485.3	143.1	87	49-130	578.1	2.27	30	
Surr: 4-Terphenyl-d14	3.131	0	4.853	0	64.5	39-115	2.993	4.51	30	

The following samples were analyzed in this batch: 1308955-01B

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50942** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-50942-50942				Units: mg/Kg		Analysis Date: 8/30/2013 03:03 PM		
Client ID:		Run ID: HG1_130830A				SeqNo: 2431248		Prep Date: 8/30/2013		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-50942-50942				Units: mg/Kg		Analysis Date: 8/30/2013 03:05 PM		
Client ID:		Run ID: HG1_130830A				SeqNo: 2431249		Prep Date: 8/30/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1786 0.020 0.1665 0 107 80-120 0

MS		Sample ID: 13081022-03AMS				Units: mg/Kg		Analysis Date: 8/30/2013 03:46 PM		
Client ID:		Run ID: HG1_130830A				SeqNo: 2431275		Prep Date: 8/30/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1375 0.014 0.1166 0.01553 105 75-125 0

MSD		Sample ID: 13081022-03AMSD				Units: mg/Kg		Analysis Date: 8/30/2013 03:48 PM		
Client ID:		Run ID: HG1_130830A				SeqNo: 2431276		Prep Date: 8/30/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1436 0.015 0.1224 0.01553 105 75-125 0.1375 4.35 35

The following samples were analyzed in this batch:

1308955-01B

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50799** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1308881-01CDUP				Units: mg/L		Analysis Date: 8/28/2013 02:38 PM		
Client ID:		Run ID: ICPMS2_130828A				SeqNo: 2428053		Prep Date: 8/28/2013		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	155.9	10	0	0	0	0-0	156.9	0.627		
Magnesium	33.34	4.0	0	0	0	0-0	32.58	2.31		
Sodium	660.8	4.0	0	0	0	0-0	640	3.2		

DUP		Sample ID: 1308881-01CDUP				Units: none		Analysis Date: 8/28/2013		
Client ID:		Run ID: SAR_130828A				SeqNo: 2429003		Prep Date: 8/28/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	12.53	0.010	0	0	0		12.14	3.13	50	

The following samples were analyzed in this batch: | 1308955-01C |

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50879** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-50879-50879				Units: mg/Kg		Analysis Date: 8/28/2013 11:05 PM		
Client ID:		Run ID: ICPMS1_130828A				SeqNo: 2428523		Prep Date: 8/28/2013		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	0.0125	0.25								J
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	0.03098	0.50								J

LCS		Sample ID: LCS-50879-50879				Units: mg/Kg		Analysis Date: 8/28/2013 11:12 PM		
Client ID:		Run ID: ICPMS1_130828A				SeqNo: 2428524		Prep Date: 8/28/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.589	0.25	5	0	91.8	80-120	0			
Barium	4.71	0.25	5	0	94.2	80-120	0			
Cadmium	4.64	0.10	5	0	92.8	80-120	0			
Chromium	4.874	0.25	5	0	97.5	80-120	0			
Copper	4.886	0.25	5	0	97.7	80-120	0			
Lead	5.09	0.25	5	0	102	80-120	0			
Nickel	4.935	0.25	5	0	98.7	80-120	0			
Selenium	4.382	0.25	5	0	87.6	80-120	0			
Silver	5.135	0.25	5	0	103	80-120	0			
Zinc	4.544	0.50	5	0	90.9	80-120	0			

MS		Sample ID: 1308961-02AMS				Units: mg/Kg		Analysis Date: 8/28/2013 11:37 PM		
Client ID:		Run ID: ICPMS1_130828A				SeqNo: 2428528		Prep Date: 8/28/2013		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.768	1.4	6.812	5.081	68.8	75-125	0			S
Barium	34.55	1.4	6.812	28.51	88.6	75-125	0			O
Cadmium	6.698	0.54	6.812	0.1769	95.7	75-125	0			
Chromium	14.29	1.4	6.812	7.783	95.5	75-125	0			
Copper	11.13	1.4	6.812	5.433	83.6	75-125	0			
Lead	14.61	1.4	6.812	8.488	89.9	75-125	0			
Nickel	13.87	1.4	6.812	8.149	84.1	75-125	0			
Selenium	6.302	1.4	6.812	0.5937	83.8	75-125	0			
Silver	6.632	1.4	6.812	0.01152	97.2	75-125	0			
Zinc	26.56	2.7	6.812	21.5	74.2	75-125	0			S

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50879** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1308961-02AMSD				Units: mg/Kg		Analysis Date: 8/28/2013 11:43 PM		
Client ID:		Run ID: ICPMS1_130828A				SeqNo: 2428529		Prep Date: 8/28/2013		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.97	1.3	6.748	5.081	87.3	75-125	9.768	11.6	25	
Barium	43.72	1.3	6.748	28.51	225	75-125	34.55	23.4	25	SO
Cadmium	6.823	0.54	6.748	0.1769	98.5	75-125	6.698	1.86	25	
Chromium	16.41	1.3	6.748	7.783	128	75-125	14.29	13.8	25	S
Copper	11.57	1.3	6.748	5.433	91	75-125	11.13	3.9	25	
Lead	15.68	1.3	6.748	8.488	107	75-125	14.61	7.06	25	
Nickel	14.77	1.3	6.748	8.149	98.2	75-125	13.87	6.28	25	
Selenium	6.389	1.3	6.748	0.5937	85.9	75-125	6.302	1.36	25	
Silver	6.761	1.3	6.748	0.01152	100	75-125	6.632	1.93	25	
Zinc	28.02	2.7	6.748	21.5	96.6	75-125	26.56	5.35	25	

The following samples were analyzed in this batch:

1308955-01B	1308955-02A	1308955-03A
1308955-04A	1308955-05A	1308955-06A

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50815** Instrument ID **SVMS6** Method: **SW8270**

MBLK		Sample ID: SBLKS1-50815-50815				Units: µg/Kg		Analysis Date: 8/27/2013 12:01 PM		
Client ID:		Run ID: SVMS6_130827A				SeqNo: 2426779		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Acenaphthylene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
<i>Surr: 2-Fluorobiphenyl</i>	1390	0	1667	0	83.4	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1802	0	1667	0	108	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1342	0	1667	0	80.5	37-107	0			

LCS		Sample ID: SLCSS1-50815-50815				Units: µg/Kg		Analysis Date: 8/27/2013 12:20 PM		
Client ID:		Run ID: SVMS6_130827A				SeqNo: 2426780		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	498	30	666.7	0	74.7	45-110	0			
Acenaphthylene	478.7	30	666.7	0	71.8	45-105	0			
Anthracene	526.7	30	666.7	0	79	55-105	0			
Benzo(a)anthracene	600.3	30	666.7	0	90	50-110	0			
Benzo(a)pyrene	576.7	30	666.7	0	86.5	50-110	0			
Benzo(b)fluoranthene	592.3	30	666.7	0	88.8	45-115	0			
Benzo(g,h,i)perylene	543.3	30	666.7	0	81.5	40-125	0			
Benzo(k)fluoranthene	569	30	666.7	0	85.3	45-115	0			
Chrysene	568	30	666.7	0	85.2	55-110	0			
Dibenzo(a,h)anthracene	564	30	666.7	0	84.6	40-125	0			
Fluoranthene	569.7	30	666.7	0	85.4	55-115	0			
Fluorene	542.7	30	666.7	0	81.4	50-110	0			
Indeno(1,2,3-cd)pyrene	643.3	30	666.7	0	96.5	40-120	0			
Naphthalene	478.3	30	666.7	0	71.7	40-105	0			
Pyrene	555.7	30	666.7	0	83.3	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1251	0	1667	0	75.1	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1661	0	1667	0	99.7	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1267	0	1667	0	76	37-107	0			

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50815** Instrument ID **SVMS6** Method: **SW8270**

MS				Sample ID: 1308854-01A MS			Units: µg/Kg		Analysis Date: 8/27/2013 02:46 PM	
Client ID:				Run ID: SVMS6_130827A			SeqNo: 2426783		Prep Date: 8/26/2013	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1601	87	1933	0	82.8	45-110	0			
Acenaphthylene	1625	87	1933	132	77.2	45-105	0			
Anthracene	1741	87	1933	153.2	82.1	55-105	0			
Benzo(a)anthracene	2483	87	1933	451	105	50-110	0			
Benzo(a)pyrene	2352	87	1933	592.7	91	50-110	0			
Benzo(b)fluoranthene	2401	87	1933	699.6	88	45-115	0			
Benzo(g,h,i)perylene	2326	87	1933	477	95.7	40-125	0			
Benzo(k)fluoranthene	1936	87	1933	274.6	85.9	45-115	0			
Chrysene	2248	87	1933	471.2	91.9	55-110	0			
Dibenzo(a,h)anthracene	1920	87	1933	235.1	87.2	40-125	0			
Fluoranthene	2293	87	1933	746.8	80	55-115	0			
Fluorene	1688	87	1933	0	87.3	50-110	0			
Indeno(1,2,3-cd)pyrene	2646	87	1933	534.8	109	40-120	0			
Naphthalene	1385	87	1933	0	71.6	40-105	0			
Pyrene	2775	87	1933	715	107	45-125	0			
Surr: 2-Fluorobiphenyl	3830	0	4832	0	79.3	12-100	0			
Surr: 4-Terphenyl-d14	5133	0	4832	0	106	25-137	0			
Surr: Nitrobenzene-d5	3526	0	4832	0	73	37-107	0			

MSD				Sample ID: 1308854-01A MSD			Units: µg/Kg		Analysis Date: 8/27/2013 03:05 PM	
Client ID:				Run ID: SVMS6_130827A			SeqNo: 2426785		Prep Date: 8/26/2013	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1546	89	1970	0	78.4	45-110	1601	3.55	30	
Acenaphthylene	1550	89	1970	132	72	45-105	1625	4.67	30	
Anthracene	1715	89	1970	153.2	79.3	55-105	1741	1.49	30	
Benzo(a)anthracene	2383	89	1970	451	98.1	50-110	2483	4.11	30	
Benzo(a)pyrene	2270	89	1970	592.7	85.2	50-110	2352	3.54	30	
Benzo(b)fluoranthene	2354	89	1970	699.6	84	45-115	2401	1.96	30	
Benzo(g,h,i)perylene	2297	89	1970	477	92.4	40-125	2326	1.26	30	
Benzo(k)fluoranthene	1876	89	1970	274.6	81.3	45-115	1936	3.11	30	
Chrysene	2189	89	1970	471.2	87.2	55-110	2248	2.67	30	
Dibenzo(a,h)anthracene	1878	89	1970	235.1	83.4	40-125	1920	2.21	30	
Fluoranthene	2079	89	1970	746.8	67.6	55-115	2293	9.79	30	
Fluorene	1652	89	1970	0	83.8	50-110	1688	2.19	30	
Indeno(1,2,3-cd)pyrene	2589	89	1970	534.8	104	40-120	2646	2.2	30	
Naphthalene	1313	89	1970	0	66.6	40-105	1385	5.33	30	
Pyrene	2762	89	1970	715	104	45-125	2775	0.459	30	
Surr: 2-Fluorobiphenyl	3586	0	4925	0	72.8	12-100	3830	6.57	40	
Surr: 4-Terphenyl-d14	5377	0	4925	0	109	25-137	5133	4.65	40	
Surr: Nitrobenzene-d5	3303	0	4925	0	67.1	37-107	3526	6.53	40	

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50815** Instrument ID **SVMS6** Method: **SW8270**

The following samples were analyzed in this batch:

1308955-01B

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50857** Instrument ID **VMS6** Method: **SW8260B**

MBLK				Sample ID: MBLK-50857-50857				Units: µg/Kg			Analysis Date: 8/27/2013 04:47 PM		
Client ID:			Run ID: VMS6_130827A				SeqNo: 2427293			Prep Date: 8/27/2013		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											
GRO (C6-C10)	ND	2,500											
m,p-Xylene	ND	60											
o-Xylene	ND	30											
Toluene	ND	30											
Xylenes, Total	ND	90											
Surr: 1,2-Dichloroethane-d4	1056	0	1000	0	106	70-130		0					
Surr: 4-Bromofluorobenzene	1012	0	1000	0	101	70-130		0					
Surr: Dibromofluoromethane	990	0	1000	0	99	70-130		0					
Surr: Toluene-d8	1018	0	1000	0	102	70-130		0					

LCS				Sample ID: LCS-50857-50857			Units: µg/Kg		Analysis Date: 8/27/2013 02:56 PM		
Client ID:			Run ID: VMS6_130827A			SeqNo: 2427291		Prep Date: 8/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1043	30	1000	0	104	75-125	0				
Ethylbenzene	1037	30	1000	0	104	75-125	0				
m,p-Xylene	2054	60	2000	0	103	80-125	0				
o-Xylene	1042	30	1000	0	104	75-125	0				
Toluene	961.5	30	1000	0	96.2	70-125	0				
Xylenes, Total	3096	90	3000	0	103	75-125	0				
Surr: 1,2-Dichloroethane-d4	995	0	1000	0	99.5	70-130	0				
Surr: 4-Bromofluorobenzene	1034	0	1000	0	103	70-130	0				
Surr: Dibromofluoromethane	1040	0	1000	0	104	70-130	0				
Surr: Toluene-d8	991.5	0	1000	0	99.2	70-130	0				

MS				Sample ID: 1308940-02A MS				Units: µg/Kg		Analysis Date: 8/29/2013 04:36 AM	
Client ID:			Run ID: VMS5_130828B			SeqNo: 2428827		Prep Date: 8/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	896	30	1000	0	89.6	75-125	0				
Ethylbenzene	882	30	1000	0	88.2	75-125	0				
m,p-Xylene	1809	60	2000	0	90.4	80-125	0				
o-Xylene	889	30	1000	0	88.9	75-125	0				
Toluene	888	30	1000	0	88.8	70-125	0				
Xylenes, Total	2698	90	3000	0	89.9	75-125	0				
Surr: 1,2-Dichloroethane-d4	976	0	1000	0	97.6	70-130	0				
Surr: 4-Bromofluorobenzene	993	0	1000	0	99.3	70-130	0				
Surr: Dibromofluoromethane	984	0	1000	0	98.4	70-130	0				
Surr: Toluene-d8	993.5	0	1000	0	99.4	70-130	0				

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50857** Instrument ID **VMS6** Method: **SW8260B**

MSD				Sample ID: 1308940-02A MSD				Units: µg/Kg			Analysis Date: 8/29/2013 04:59 AM			
Client ID:				Run ID: VMS5_130828B				SeqNo: 2428828			Prep Date: 8/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Benzene	898	30	1000	0	89.8	75-125	896	0.223	30					
Ethylbenzene	911	30	1000	0	91.1	75-125	882	3.23	30					
m,p-Xylene	1854	60	2000	0	92.7	80-125	1809	2.46	30					
o-Xylene	930	30	1000	0	93	75-125	889	4.51	30					
Toluene	902.5	30	1000	0	90.2	70-125	888	1.62	30					
Xylenes, Total	2784	90	3000	0	92.8	75-125	2698	3.14	30					
Surr: 1,2-Dichloroethane-d4	969.5	0	1000	0	97	70-130	976	0.668	30					
Surr: 4-Bromofluorobenzene	1004	0	1000	0	100	70-130	993	1.15	30					
Surr: Dibromofluoromethane	987.5	0	1000	0	98.8	70-130	984	0.355	30					
Surr: Toluene-d8	994.5	0	1000	0	99.4	70-130	993.5	0.101	30					

The following samples were analyzed in this batch: | 1308955-01A |

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50799** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 1308881-01C DUP				Units: mmhos/cm @25°C		Analysis Date: 8/28/2013 03:30 PM		
Client ID:		Run ID: WETCHEM_130828D				SeqNo: 2427919		Prep Date: 8/28/2013		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	4.18	0.025	0	0	0		4.575	9.02	50	

The following samples were analyzed in this batch:

1308955-01C

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50874** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-50874-50874				Units: mg/Kg		Analysis Date: 8/27/2013 04:00 PM		
Client ID:		Run ID: WETCHEM_1308271				SeqNo: 2426863		Prep Date: 8/26/2013		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-50874-50874				Units: mg/Kg		Analysis Date: 8/27/2013 04:00 PM		
Client ID:		Run ID: WETCHEM_1308271				SeqNo: 2426864		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.872 0.50 2 0 93.6 80-120 0

MS		Sample ID: 1308775-01B MS				Units: mg/Kg		Analysis Date: 8/27/2013 04:00 PM		
Client ID:		Run ID: WETCHEM_1308271				SeqNo: 2426866		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.6902 0.49 1.961 0.1417 28 75-125 0 S

MSD		Sample ID: 1308775-01B MSD				Units: mg/Kg		Analysis Date: 8/27/2013 04:00 PM		
Client ID:		Run ID: WETCHEM_1308271				SeqNo: 2426867		Prep Date: 8/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.6494 0.50 1.992 0.1417 25.5 75-125 0.6902 6.09 20 S

The following samples were analyzed in this batch:

1308955-01B

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **50895** Instrument ID **WETCHEM** Method: **SW9045D**

LCS					Sample ID: LCS-50895-50895					Units: s.u.			Analysis Date: 8/28/2013 11:00 AM			
Client ID:					Run ID: WETCHEM_130828C					SeqNo: 2427476			Prep Date: 8/28/2013		DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH					3.84		0	4	0	96	90-110	0				

DUP					Sample ID: 13081009-07B DUP					Units: s.u.		Analysis Date: 8/28/2013 11:00 AM		
Client ID:				Run ID: WETCHEM_130828C				SeqNo: 2427484		Prep Date: 8/28/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
pH	7.94	0	0	0	0	0-0	7.91	0.379	20					

The following samples were analyzed in this batch:

1308955-01B

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

Client: HRL Compliance Solutions
Work Order: 1308955
Project: WPX GV 84-1 Cuttings 8/23/13

QC BATCH REPORT

Batch ID: **R125908** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R125908				Units: % of sample		Analysis Date: 8/29/2013 11:00 AM		
Client ID:		Run ID: MOIST_130829A				SeqNo: 2430553		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 0.04 0.050 J

LCS		Sample ID: LCS-R125908				Units: % of sample		Analysis Date: 8/29/2013 11:00 AM		
Client ID:		Run ID: MOIST_130829A				SeqNo: 2430552		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: 1308952-07B DUP				Units: % of sample		Analysis Date: 8/29/2013 11:00 AM		
Client ID:		Run ID: MOIST_130829A				SeqNo: 2430537		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 19.86 0.050 0 0 0 0-0 19.66 1.01 20

DUP		Sample ID: 1308955-06A DUP				Units: % of sample		Analysis Date: 8/29/2013 11:00 AM		
Client ID: GV 84-1-B-5		Run ID: MOIST_130829A				SeqNo: 2430546		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 2.99 0.050 0 0 0 0-0 3.17 5.84 20

The following samples were analyzed in this batch:

1308955-01B	1308955-02A	1308955-03A
1308955-04A	1308955-05A	1308955-06A

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



ALS Laboratory Group

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Chain-of-Custody

Form 202r8

WORKORDER #

1308955

PROJECT NAME		WPX <i>GV84-1 cuttings</i>		SAMPLER		Reed Wold		DATE		8/23/13		PAGE		1 of 1	
PROJECT NO.				SITE ID		GV84-1		TURNAROUND		5 day		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL Compliance		BILL TO COMPANY		WPX		<i>BTEx/Gr Dro/PAH Metals SAR/EC/PH ARSENIC</i>							
SEND REPORT TO		Mark Mumby		INVOICE ATTN TO		Karolina Blaney									
ADDRESS		2385 F 1/2 Rd		ADDRESS		1058 Co Rd 215									
CITY/STATE/ZIP		Grand Junction, CO 81506		CITY/STATE/ZIP		Parachure CO 81635									
PHONE		970-243-3271		PHONE		970-683-2295									
FAX		970-243-3280		FAX											
E-MAIL		mmumby@hrlcomp.com rwold@hrlcomp.com		E-MAIL		Karolina.blaney@wpxenergy.com									
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC								
	GV84-1 cuttings	SO	8/23/13	9:00	3	8		x	*	x					
	GV84-1-B-1			9:20	1						x				
	GV84-1-B-2			9:25	1						x				
	GV84-1-B-3			9:30	1						x				
	GV84-1-B-4			9:35	1						x				
	GV84-1-B-5	✓	✓	9:40	1	✓					x				

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

For metals or anions, please detail analytes below.

Comments:	QC PACKAGE (check below)
	<input checked="" type="checkbox"/> LEVEL II (Standard QC)
	<input type="checkbox"/> LEVEL III (Std QC + forms)
	<input type="checkbox"/> LEVEL IV (Std QC + forms + raw data)
	<input type="checkbox"/>

MAC

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
<i>Reed Wold</i>	Reed Wold	8/23/13	10:15
<i>MM</i>	MM	8-23	10:15
<i>MM</i>	MM	8-23	10:20
<i>Reed Wold</i>	Reed Wold	8/24/13	11:15
RELINQUISHED BY			
RECEIVED BY			

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 24-Aug-13 11:15

Work Order: 1308955

Received by: AB

Checklist completed by *Ashley Beard* 24-Aug-13
eSignature Date

Reviewed by: *Ann Preston* 25-Aug-13
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>4.0</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>8/24/2013 1:25:22 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: (970) 424-4749
Lab Hub, LLC

Origin ID: RILA



J13201306280326

127 E First Street
PARACHUTE, CO 81635

Ship Date: 23AUG13
ActWgt: 50.0 LB
CAD: 103923490/INET3430

Dims: 25 X 14 X 15 IN

Delivery Address Bar Code



SHIP TO: (616) 399-6070
Sample recieving
ALS Holland
3352 128TH AVE

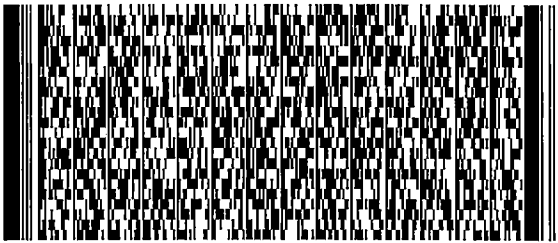
BILL RECIPIENT

Ref # 1001-082313-1
Invoice #
PO #
Dept #

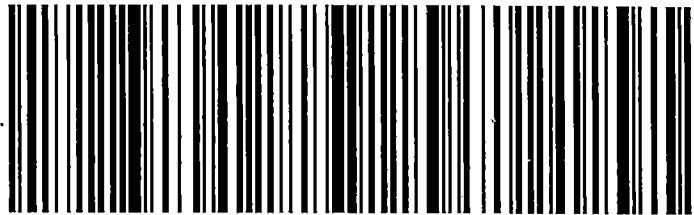
HOLLAND, MI 49424

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 7965 3801 4606
0201

**X0 GRRRA**

49424
MI-US
GRR



51AG1/09B9/1A9E

After printing this label:

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

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Lab Hub LLC. Custody seal
Date: 8-23-13
Time: 10:00