

FORM
4
Rev 12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

RECEIVED
5/2/2013

1. OGCC Operator Number: 96850	4. Contact Name: Karolina Blaney	Complete the Attachment Checklist OP OGCC
2. Name of Operator: WPX Energy Rocky Mountain LLC	Phone: 970 683 2295	
3. Address: 1058 County Road 215 City: Parachute State: CO Zip: 81635	Fax: 970 285 9573	
5. API Number 05-103-11796	OGCC Facility ID Number 335919	Survey Plat
6. Well/Facility Name:	7. Well/Facility Number RGU 41-1-298	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): Lot 21 S1 T2S R98W 6th PM		Surface Eqmpt Diagram
9. County: Rio Blanco	10. Field Name: Ryan Gulch	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation	Signed surface use agreement attached
Formation Code	
Spacing order number	
Unit Acreage	
Unit configuration	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	NUMBER
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	From:
	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	
Method used	*submit cbl and cement job summaries
Cementing tool setting/perf depth	Cement volume
Cement top	Cement bottom
	Date
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date:	Date Work Completed:
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)	
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Background
	<input type="checkbox"/> E&P Waste Disposal
	<input type="checkbox"/> Beneficial Reuse of E&P Waste
	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Karolina Blaney Date: 5/2/2013 Email: Karolina.Blaney@WPXEnergy.com
 Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Carly Kuylen Title: EPS II Date: 06/05/2013
 CONDITIONS OF APPROVAL IF ANY: NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: _____ API Number: _____

2. Name of Operator: _____ OGCC Facility ID # _____

3. Well/Facility Name: _____ Well/Facility Number: _____

4. Location (QtrQtr, Sec, Twp, Rng, Meridian): _____

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS



Legend

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

RGU 41-1-298
Arsenic Background Sample Location Map
T2S R98W, Section 1

May 2, 2013





13-Feb-2012

Karolina Blaney
WPX Energy Rocky Mountain, LLC
1058 Country Rd 215
Parachute, CO 81635

Re: **RGU 41 1 298 2/3/12**

Work Order: **1202160**

Dear Karolina,

ALS Environmental received 6 samples on 04-Feb-2012 10:30 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.

QC sample results for this data met 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 31.

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: MN331938

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

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

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

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: WPX Energy Rocky Mountain, LLC
Project: RGU 41 1 298 2/3/12
Work Order: 1202160

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>
1202160-01	RGU-41-1-298	Soil		2/3/2012 09:57	2/4/2012 10:30	<input type="checkbox"/>
1202160-02	RGU-41-1-298-B-1	Soil		2/3/2012 10:15	2/4/2012 10:30	<input type="checkbox"/>
1202160-03	RGU-41-1-298-B-2	Soil		2/3/2012 10:20	2/4/2012 10:30	<input type="checkbox"/>
1202160-04	RGU-41-1-298-B-3	Soil		2/3/2012 10:37	2/4/2012 10:30	<input type="checkbox"/>
1202160-05	RGU-41-1-298-B-4	Soil		2/3/2012 10:43	2/4/2012 10:30	<input type="checkbox"/>
1202160-06	RGU-41-1-298-B-5	Soil		2/3/2012 10:58	2/4/2012 10:30	<input type="checkbox"/>

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Case Narrative

Batch 39228 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

Batch 39131 MS/MSD data for Metals is not related to this project's samples.

Client: WPX Energy Rocky Mountain, LLC
Project: RGU 41 1 298 2/3/12
WorkOrder: 1202160

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 detected below quantitation 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
MBLK	Method Blank
MDL	Method Detection Limit
SQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry as noted	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Sample ID: RGU-41-1-298

Collection Date: 2/3/2012 09:57 AM

Work Order: 1202160

Lab ID: 1202160-01

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep Date: 2/8/2012	Analyst: RM
DRO (C10-C28)	1,100		6.5	mg/Kg-dry	1	2/9/2012 01:15 AM
Surr: 4-Terphenyl-d14	96.9		39-115	%REC	1	2/9/2012 01:15 AM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015			Analyst: JD
GRO (C6-C10)	49		4.0	mg/Kg-dry	50	2/9/2012 11:04 AM
Surr: Toluene-d8	101		50-150	%REC	50	2/9/2012 11:04 AM
MERCURY BY CVAA						
			SW7471		Prep Date: 2/7/2012	Analyst: CES
Mercury	0.042		0.026	mg/Kg-dry	1	2/7/2012 03:22 PM
METALS BY ICP-MS						
			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	5.7		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Barium	8,000		62	mg/Kg-dry	100	2/10/2012 01:07 PM
Cadmium	0.34		0.25	mg/Kg-dry	1	2/9/2012 10:02 PM
Chromium	14		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Copper	26		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Lead	11		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Nickel	12		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Selenium	1.4		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Silver	ND		0.62	mg/Kg-dry	1	2/9/2012 10:02 PM
Zinc	45		1.2	mg/Kg-dry	1	2/9/2012 10:02 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	Rcvd 2/9/12		SUBCONTRACT	as noted	1	Analyst: A&LGL
						2/9/2012
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW8270		Prep Date: 2/8/2012	Analyst: HL
Acenaphthene	ND		47	µg/Kg-dry	1	2/9/2012 07:12 PM
Anthracene	ND		47	µg/Kg-dry	1	2/9/2012 07:12 PM
Benzo(a)anthracene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Benzo(a)pyrene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Benzo(b)fluoranthene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Benzo(g,h,i)perylene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Benzo(k)fluoranthene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Chrysene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Dibenzo(a,h)anthracene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Fluoranthene	ND		47	µg/Kg-dry	1	2/9/2012 07:12 PM
Fluorene	95		47	µg/Kg-dry	1	2/9/2012 07:12 PM
Indeno(1,2,3-cd)pyrene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Naphthalene	520		47	µg/Kg-dry	1	2/9/2012 07:12 PM
Pyrene	ND		470	µg/Kg-dry	10	2/10/2012 12:33 PM
Surr: 2,4,6-Tribromophenol	89.9		34-140	%REC	1	2/9/2012 07:12 PM

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

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Sample ID: RGU-41-1-298

Lab ID: 1202160-01

Collection Date: 2/3/2012 09:57 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	86.5		12-100	%REC	1	2/9/2012 07:12 PM
Surr: 2-Fluorophenol	91.6		33-117	%REC	1	2/9/2012 07:12 PM
Surr: 4-Terphenyl-d14	75.4		25-137	%REC	1	2/9/2012 07:12 PM
Surr: Nitrobenzene-d5	89.6		37-107	%REC	1	2/9/2012 07:12 PM
Surr: Phenol-d6	88.7		40-106	%REC	1	2/9/2012 07:12 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: BG
Benzene	320		80	µg/Kg-dry	50	2/8/2012 08:20 AM
Ethylbenzene	350		160	µg/Kg-dry	50	2/8/2012 08:20 AM
m,p-Xylene	1,100		160	µg/Kg-dry	50	2/8/2012 08:20 AM
o-Xylene	200		80	µg/Kg-dry	50	2/8/2012 08:20 AM
Toluene	1,500		120	µg/Kg-dry	50	2/8/2012 08:20 AM
Xylenes, Total	1,300		240	µg/Kg-dry	50	2/8/2012 08:20 AM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	50	2/8/2012 08:20 AM
Surr: 4-Bromofluorobenzene	99.0		75-120	%REC	50	2/8/2012 08:20 AM
Surr: Dibromofluoromethane	96.5		85-115	%REC	50	2/8/2012 08:20 AM
Surr: Toluene-d8	98.5		85-115	%REC	50	2/8/2012 08:20 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 2/10/2012	Analyst: MB
Chromium, Hexavalent	ND		0.77	mg/Kg-dry	1	2/10/2012 04:00 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	37		0.050	% of sample	1	2/6/2012 02:20 PM
PH			SW9045D			Analyst: KV
pH	8.34			s.u.	1	2/6/2012 01:38 PM

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

ALS Group USA, Corp**Date:** 13-Feb-12**Client:** WPX Energy Rocky Mountain, LLC**Project:** RGU 41 1 298 2/3/12**Work Order:** 1202160**Sample ID:** RGU-41-1-298-B-1**Lab ID:** 1202160-02**Collection Date:** 2/3/2012 10:15 AM**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	5.0		0.39	mg/Kg-dry	1	2/9/2012 10:08 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	11		0.050	% of sample	1	2/6/2012 03:49 PM

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

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Sample ID: RGU-41-1-298-B-2

Lab ID: 1202160-03

Collection Date: 2/3/2012 10:20 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	5.4		0.37	mg/Kg-dry	1	2/9/2012 10:14 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	11		0.050	% of sample	1	2/6/2012 03:49 PM

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

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Sample ID: RGU-41-1-298-B-3

Lab ID: 1202160-04

Collection Date: 2/3/2012 10:37 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	5.2		0.40	mg/Kg-dry	1	2/9/2012 10:20 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	11		0.050	% of sample	1	2/6/2012 03:49 PM

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

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Sample ID: RGU-41-1-298-B-4

Lab ID: 1202160-05

Collection Date: 2/3/2012 10:43 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	5.0		0.38	mg/Kg-dry	1	2/9/2012 10:38 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	12		0.050	% of sample	1	2/6/2012 03:49 PM

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

ALS Group USA, Corp

Date: 13-Feb-12

Client: WPX Energy Rocky Mountain, LLC

Project: RGU 41 1 298 2/3/12

Work Order: 1202160

Sample ID: RGU-41-1-298-B-5

Lab ID: 1202160-06

Collection Date: 2/3/2012 10:58 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
METALS BY ICP-MS			SW6020A		Prep Date: 2/7/2012	Analyst: RH
Arsenic	4.5		0.42	mg/Kg-dry	1	2/9/2012 10:44 PM
MOISTURE			A2540 G			Analyst: CG
Moisture	14		0.050	% of sample	1	2/6/2012 03:49 PM

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

Report Number: F12038-0069

Account Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274

www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1202160

DATE RECEIVED: 02/07/2012

DATE REPORTED: 02/09/2012

PAGE: 1

P.O. NUMBER: 20-1202160

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
26832	01C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	7.87	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	163	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	30	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	7597	ppm	USDA Handbook 60
		Sodium Adsorption Ratio (SAR)	143.1	-	USDA Handbook 60

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39138** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: DBLKS1-39138-39138				Units: mg/Kg			Analysis Date: 2/9/2012 12:31 PM			
Client ID:		Run ID: GC8_120208A		SeqNo: 1893829		Prep Date: 2/8/2012		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	1.568	0	1.667	0	94.1	39-115	0			

LCS Sample ID: DLCSS1-39138-39138				Units: mg/Kg			Analysis Date: 2/8/2012 11:25 PM			
Client ID:		Run ID: GC8_120208A		SeqNo: 1893826		Prep Date: 2/8/2012		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	150.5	4.2	166.7	0	90.3	60-130	0			
Surr: 4-Terphenyl-d14	1.389	0	1.667	0	83.3	39-115	0			

LCSD Sample ID: DLCSDS1-39138-39138				Units: mg/Kg			Analysis Date: 2/8/2012 11:25 PM			
Client ID:		Run ID: GC8_120208A		SeqNo: 1893830		Prep Date: 2/8/2012		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	156.5	4.2	166.7	0	93.9	60-130	150.5	3.95	30	
Surr: 4-Terphenyl-d14	1.475	0	1.667	0	88.5	39-115	1.389	5.98	30	

The following samples were analyzed in this batch:

1202160-01B

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R101060** Instrument ID **GC10** Method: **SW8015**

MBLK		Sample ID: MBLK-R101060-R101060				Units: µg/L		Analysis Date: 2/9/2012 08:38 AM		
Client ID:		Run ID: GC10_120209A				SeqNo: 1895148		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
<i>Surr: Toluene-d8</i>	95.06	0	100	0	95.1	70-130	0			

LCS		Sample ID: LCS-R101060-R101060				Units: µg/L		Analysis Date: 2/9/2012 07:26 AM		
Client ID:		Run ID: GC10_120209A				SeqNo: 1895146		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	26270	200	25000	0	105	70-130	0			
<i>Surr: Toluene-d8</i>	95.28	0	100	0	95.3	70-130	0			

LCSD		Sample ID: LCSD-R101060-R101060				Units: µg/L		Analysis Date: 2/9/2012 07:50 AM		
Client ID:		Run ID: GC10_120209A				SeqNo: 1895147		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	28400	200	25000	0	114	70-130	26270	7.76	30	
<i>Surr: Toluene-d8</i>	87	0	100	0	87	70-130	95.28	9.08	30	

MS		Sample ID: 1202176-09B MS				Units: µg/Kg		Analysis Date: 2/9/2012 05:13 PM		
Client ID:		Run ID: GC10_120209A				SeqNo: 1895169		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1171000	2,500	1250000	0	93.7	70-130	0			
<i>Surr: Toluene-d8</i>	4900	0	5000	0	98	50-150	0			

MSD		Sample ID: 1202176-09B MSD				Units: µg/Kg		Analysis Date: 2/9/2012 05:38 PM		
Client ID:		Run ID: GC10_120209A				SeqNo: 1895170		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1113000	2,500	1250000	0	89.1	70-130	1171000	5.05	30	
<i>Surr: Toluene-d8</i>	4806	0	5000	0	96.1	50-150	4900	1.95	30	

The following samples were analyzed in this batch: | 1202160-01A |

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39103** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-39103-39103				Units: mg/Kg		Analysis Date: 2/7/2012 02:44 PM		
Client ID:		Run ID: HG1_120207A				SeqNo: 1891585		Prep Date: 2/7/2012		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-39103-39103				Units: mg/Kg		Analysis Date: 2/7/2012 02:46 PM		
Client ID:		Run ID: HG1_120207A				SeqNo: 1891586		Prep Date: 2/7/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1653 0.020 0.1665 0 99.3 80-120 0

LCSD		Sample ID: LCSD-39103-39103				Units: mg/Kg		Analysis Date: 2/7/2012 02:49 PM		
Client ID:		Run ID: HG1_120207A				SeqNo: 1891587		Prep Date: 2/7/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1642 0.020 0.1665 0 98.6 80-120 0.1653 0.708 20

MS		Sample ID: 1202127-01AMS				Units: mg/Kg		Analysis Date: 2/7/2012 03:09 PM		
Client ID:		Run ID: HG1_120207A				SeqNo: 1891594		Prep Date: 2/7/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1614 0.018 0.1539 0.008423 99.4 75-125 0

MSD		Sample ID: 1202127-01AMSD				Units: mg/Kg		Analysis Date: 2/7/2012 03:12 PM		
Client ID:		Run ID: HG1_120207A				SeqNo: 1891595		Prep Date: 2/7/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1562 0.018 0.1491 0.008423 99.1 75-125 0.1614 3.28 35

The following samples were analyzed in this batch:

1202160-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39131** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-39131-39131				Units: mg/Kg		Analysis Date: 2/9/2012 02:28 AM		
Client ID:		Run ID: ICPMS1_120208A				SeqNo: 1893137		Prep Date: 2/7/2012		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	0.002149	0.10								J
Chromium	0.005015	0.25								J
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS		Sample ID: LCS-39131-39131				Units: mg/Kg		Analysis Date: 2/9/2012 02:46 AM		
Client ID:		Run ID: ICPMS1_120208A				SeqNo: 1893140		Prep Date: 2/7/2012		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.207	0.50	5	0	84.1	80-120	0			
Barium	4.412	0.50	5	0	88.2	80-120	0			
Cadmium	4.231	0.20	5	0	84.6	80-120	0			
Chromium	4.295	0.50	5	0	85.9	80-120	0			
Copper	4.291	0.50	5	0	85.8	80-120	0			
Lead	4.452	0.50	5	0	89	80-120	0			
Nickel	4.123	0.50	5	0	82.5	80-120	0			
Selenium	4.207	0.50	5	0	84.1	80-120	0			

LCS		Sample ID: LCS-39131-39131				Units: mg/Kg		Analysis Date: 2/9/2012 02:56 PM		
Client ID:		Run ID: ICPMS1_120209A				SeqNo: 1894114		Prep Date: 2/7/2012		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	4.019	0.50	5	0	80.4	80-120	0			
Zinc	4.127	1.0	5	0	82.5	80-120	0			

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39131** Instrument ID **ICPMS1** Method: **SW6020A**

LCSD Sample ID: LCSD-39131-39131				Units: mg/Kg		Analysis Date: 2/9/2012 02:52 AM				
Client ID:		Run ID: ICPMS1_120208A		SeqNo: 1893141		Prep Date: 2/7/2012		DF: 2		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.221	0.50	5	0	84.4	80-120	4.207	0.332	20	
Barium	4.316	0.50	5	0	86.3	80-120	4.412	2.2	20	
Cadmium	4.144	0.20	5	0	82.9	80-120	4.231	2.08	20	
Chromium	4.267	0.50	5	0	85.3	80-120	4.295	0.654	20	
Copper	4.271	0.50	5	0	85.4	80-120	4.291	0.467	20	
Lead	4.393	0.50	5	0	87.9	80-120	4.452	1.33	20	
Nickel	4.139	0.50	5	0	82.8	80-120	4.123	0.387	20	
Selenium	4.063	0.50	5	0	81.3	80-120	4.207	3.48	20	

LCSD Sample ID: LCSD-39131-39131				Units: mg/Kg		Analysis Date: 2/9/2012 03:02 PM				
Client ID:		Run ID: ICPMS1_120209A		SeqNo: 1894115		Prep Date: 2/7/2012		DF: 2		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	4.042	0.50	5	0	80.8	80-120	4.019	0.571	20	
Zinc	4.055	1.0	5	0	81.1	80-120	4.127	1.76	20	

MS Sample ID: 1202152-06BMS				Units: mg/Kg		Analysis Date: 2/9/2012 03:39 AM				
Client ID:		Run ID: ICPMS1_120208A		SeqNo: 1893149		Prep Date: 2/7/2012		DF: 4		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	6.975	1.3	6.485	1.74	80.7	80-120	0			
Barium	36.16	1.3	6.485	38.79	-40.5	80-120	0			SO
Cadmium	4.734	0.52	6.485	0.03293	72.5	80-120	0			S
Chromium	7.847	1.3	6.485	4.375	53.5	80-120	0			S
Copper	5.038	1.3	6.485	0.5126	69.8	80-120	0			S
Lead	6.083	1.3	6.485	0.7227	82.7	80-120	0			
Nickel	7.128	1.3	6.485	4.115	46.5	80-120	0			S
Selenium	5.074	1.3	6.485	0.1969	75.2	80-120	0			S
Silver	3.948	1.3	6.485	-0.00441	60.9	80-120	0			S

MS Sample ID: 1202152-06BMS				Units: mg/Kg		Analysis Date: 2/9/2012 04:02 PM				
Client ID:		Run ID: ICPMS1_120209A		SeqNo: 1894125		Prep Date: 2/7/2012		DF: 4		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	9.59	2.6	6.485	6.537	47.1	80-120	0			S

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39131** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1202152-06BMSD				Units: mg/Kg		Analysis Date: 2/9/2012 04:08 PM		
Client ID:		Run ID: ICPMS1_120209A				SeqNo: 1894126		Prep Date: 2/7/2012		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.469	1.3	6.386	1.568	92.4	80-120	6.827	8.97	25	
Barium	49.48	1.3	6.386	39.88	150	80-120	37.07	28.7	25	SRO
Cadmium	5.321	0.51	6.386	0.03362	82.8	80-120	4.983	6.55	25	
Chromium	8.927	1.3	6.386	4.609	67.6	80-120	8.202	8.46	25	S
Copper	5.599	1.3	6.386	0.628	77.8	80-120	5.289	5.69	25	S
Lead	6.485	1.3	6.386	0.7593	89.7	80-120	6.355	2.02	25	
Nickel	7.962	1.3	6.386	4.228	58.5	80-120	7.46	6.5	25	S
Selenium	5.474	1.3	6.386	0.2318	82.1	80-120	5.178	5.56	25	
Silver	4.437	1.3	6.386	0.0008266	69.5	80-120	4.106	7.74	25	S
Zinc	10.48	2.6	6.386	6.537	61.8	80-120	9.59	8.89	25	S

The following samples were analyzed in this batch:

1202160-01B	1202160-02A	1202160-03A
1202160-04A	1202160-05A	1202160-06A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39137** Instrument ID **SVMS7** Method: **SW8270**

MBLK		Sample ID: SBLKS1-39137-39137				Units: µg/Kg		Analysis Date: 2/8/2012 02:18 PM		
Client ID:		Run ID: SVMS7_120208A				SeqNo: 1892698		Prep Date: 2/8/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	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: 2,4,6-Tribromophenol</i>	1324	0	1667	0	79.4	34-140		0		
<i>Surr: 2-Fluorobiphenyl</i>	1364	0	1667	0	81.8	12-100		0		
<i>Surr: 2-Fluorophenol</i>	1644	0	1667	0	98.7	33-117		0		
<i>Surr: 4-Terphenyl-d14</i>	1753	0	1667	0	105	25-137		0		
<i>Surr: Nitrobenzene-d5</i>	1528	0	1667	0	91.7	37-107		0		
<i>Surr: Phenol-d6</i>	1666	0	1667	0	99.9	40-106		0		

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39137** Instrument ID **SVMS7** Method: **SW8270**

LCS Sample ID: SLCSS1-39137-39137				Units: µg/Kg			Analysis Date: 2/8/2012 01:20 PM			
Client ID:		Run ID: SVMS7_120208A		SeqNo: 1892692		Prep Date: 2/8/2012		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1152	30	1333	0	86.4	45-110	0			
Anthracene	1267	30	1333	0	95	55-105	0			
Benzo(a)anthracene	1226	30	1333	0	91.9	50-110	0			
Benzo(a)pyrene	1320	30	1333	0	99	50-110	0			
Benzo(b)fluoranthene	1378	30	1333	0	103	45-115	0			
Benzo(g,h,i)perylene	1268	30	1333	0	95.1	40-125	0			
Benzo(k)fluoranthene	1204	30	1333	0	90.3	45-115	0			
Chrysene	1164	30	1333	0	87.3	55-110	0			
Dibenzo(a,h)anthracene	1300	30	1333	0	97.5	40-125	0			
Fluoranthene	1285	30	1333	0	96.4	55-115	0			
Fluorene	1210	30	1333	0	90.8	50-110	0			
Indeno(1,2,3-cd)pyrene	1288	30	1333	0	96.6	40-120	0			
Naphthalene	1099	30	1333	0	82.4	40-105	0			
Pyrene	1319	30	1333	0	98.9	45-125	0			
Surr: 2,4,6-Tribromophenol	1502	0	1667	0	90.1	34-140	0			
Surr: 2-Fluorobiphenyl	1318	0	1667	0	79.1	12-100	0			
Surr: 2-Fluorophenol	1449	0	1667	0	86.9	33-117	0			
Surr: 4-Terphenyl-d14	1691	0	1667	0	101	25-137	0			
Surr: Nitrobenzene-d5	1467	0	1667	0	88	37-107	0			
Surr: Phenol-d6	1457	0	1667	0	87.4	40-106	0			

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39137** Instrument ID **SVMS7** Method: **SW8270**

LCSD				Sample ID: SLCSDS1-39137-39137			Units: µg/Kg		Analysis Date: 2/8/2012 01:49 PM		
Client ID:			Run ID: SVMS7_120208A			SeqNo: 1892695		Prep Date: 2/8/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1131	30	1333	0	84.8	45-110	1152	1.84	25		
Anthracene	1242	30	1333	0	93.2	55-105	1267	1.97	25		
Benzo(a)anthracene	1179	30	1333	0	88.5	50-110	1226	3.85	25		
Benzo(a)pyrene	1315	30	1333	0	98.6	50-110	1320	0.405	25		
Benzo(b)fluoranthene	1264	30	1333	0	94.8	45-115	1378	8.63	25		
Benzo(g,h,i)perylene	1259	30	1333	0	94.4	40-125	1268	0.765	25		
Benzo(k)fluoranthene	1312	30	1333	0	98.4	45-115	1204	8.58	25		
Chrysene	1167	30	1333	0	87.6	55-110	1164	0.257	25		
Dibenzo(a,h)anthracene	1275	30	1333	0	95.6	40-125	1300	1.94	25		
Fluoranthene	1268	30	1333	0	95.1	55-115	1285	1.33	25		
Fluorene	1185	30	1333	0	88.9	50-110	1210	2.12	25		
Indeno(1,2,3-cd)pyrene	1278	30	1333	0	95.9	40-120	1288	0.753	25		
Naphthalene	1102	30	1333	0	82.7	40-105	1099	0.303	25		
Pyrene	1299	30	1333	0	97.4	45-125	1319	1.5	25		
<i>Surr: 2,4,6-Tribromophenol</i>	<i>1489</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>89.3</i>	<i>34-140</i>	<i>1502</i>	<i>0.892</i>	<i>40</i>		
<i>Surr: 2-Fluorobiphenyl</i>	<i>1315</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>78.9</i>	<i>12-100</i>	<i>1318</i>	<i>0.228</i>	<i>40</i>		
<i>Surr: 2-Fluorophenol</i>	<i>1466</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>88</i>	<i>33-117</i>	<i>1449</i>	<i>1.21</i>	<i>40</i>		
<i>Surr: 4-Terphenyl-d14</i>	<i>1681</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>101</i>	<i>25-137</i>	<i>1691</i>	<i>0.613</i>	<i>40</i>		
<i>Surr: Nitrobenzene-d5</i>	<i>1485</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>89.1</i>	<i>37-107</i>	<i>1467</i>	<i>1.24</i>	<i>40</i>		
<i>Surr: Phenol-d6</i>	<i>1466</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>87.9</i>	<i>40-106</i>	<i>1457</i>	<i>0.57</i>	<i>40</i>		

The following samples were analyzed in this batch: | 1202160-01B |

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

Client: WPX Energy Rocky Mountain, LLC
 Work Order: 1202160
 Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R100929** Instrument ID **VMS6** Method: **SW8260**

MBLK Sample ID: VBLKW2-120207-R100929				Units: µg/L			Analysis Date: 2/8/2012 03:49 AM			
Client ID:		Run ID: VMS6_120207B		SeqNo: 1891826		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
o-Xylene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	103.6	0	100	0	104	70-120	0			
Surr: 4-Bromofluorobenzene	97.44	0	100	0	97.4	75-120	0			
Surr: Dibromofluoromethane	102.8	0	100	0	103	85-115	0			
Surr: Toluene-d8	98.62	0	100	0	98.6	85-120	0			

LCS Sample ID: VLCSW2-120207-R100929				Units: µg/L			Analysis Date: 2/8/2012 02:32 AM			
Client ID:		Run ID: VMS6_120207B		SeqNo: 1891824		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.54	1.0	20	0	92.7	80-120	0			
Ethylbenzene	18.44	1.0	20	0	92.2	75-125	0			
m,p-Xylene	37.19	2.0	40	0	93	75-130	0			
o-Xylene	18.34	1.0	20	0	91.7	80-120	0			
Toluene	18.91	1.0	20	0	94.6	75-120	0			
Xylenes, Total	55.53	3.0	60	0	92.6	75-130	0			
Surr: 1,2-Dichloroethane-d4	101.6	0	100	0	102	70-120	0			
Surr: 4-Bromofluorobenzene	98.77	0	100	0	98.8	75-120	0			
Surr: Dibromofluoromethane	102.2	0	100	0	102	85-115	0			
Surr: Toluene-d8	98.78	0	100	0	98.8	85-120	0			

LCSD Sample ID: VLCSDW2-120207-R100929				Units: µg/L			Analysis Date: 2/8/2012 02:57 AM			
Client ID:		Run ID: VMS6_120207B		SeqNo: 1891825		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.91	1.0	20	0	94.6	80-120	18.54	1.98	30	
Ethylbenzene	18.84	1.0	20	0	94.2	75-125	18.44	2.15	30	
m,p-Xylene	37.81	2.0	40	0	94.5	75-130	37.19	1.65	30	
o-Xylene	18.63	1.0	20	0	93.2	80-120	18.34	1.57	30	
Toluene	19.13	1.0	20	0	95.6	75-120	18.91	1.16	30	
Xylenes, Total	56.44	3.0	60	0	94.1	75-130	55.53	1.63	30	
Surr: 1,2-Dichloroethane-d4	102.6	0	100	0	103	70-120	101.6	0.97	30	
Surr: 4-Bromofluorobenzene	98.81	0	100	0	98.8	75-120	98.77	0.0405	30	
Surr: Dibromofluoromethane	103	0	100	0	103	85-115	102.2	0.858	30	
Surr: Toluene-d8	99.01	0	100	0	99	85-120	98.78	0.233	30	

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

Client: WPX Energy Rocky Mountain, LLC
 Work Order: 1202160
 Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R100929** Instrument ID **VMS6** Method: **SW8260**

MS Sample ID: 1202191-10A MS				Units: µg/L		Analysis Date: 2/8/2012 12:04 PM				
Client ID:		Run ID: VMS6_120207B		SeqNo: 1892565		Prep Date:		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1785	100	2000	0	89.2	80-120	0			
Ethylbenzene	3470	100	2000	1653	90.8	75-125	0			
m,p-Xylene	10970	200	4000	7043	98.1	75-130	0			
o-Xylene	4638	100	2000	2781	92.8	80-120	0			
Toluene	1975	100	2000	149	91.3	75-120	0			
Xylenes, Total	15600	300	6000	9824	96.3	75-130	0			
Surr: 1,2-Dichloroethane-d4	10430	0	10000	0	104	70-120	0			
Surr: 4-Bromofluorobenzene	9777	0	10000	0	97.8	75-120	0			
Surr: Dibromofluoromethane	10350	0	10000	0	104	85-115	0			
Surr: Toluene-d8	9811	0	10000	0	98.1	85-120	0			

MSD Sample ID: 1202191-10A MSD				Units: µg/L		Analysis Date: 2/8/2012 12:31 PM				
Client ID:		Run ID: VMS6_120207B		SeqNo: 1892566		Prep Date:		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1775	100	2000	0	88.8	80-120	1785	0.562	30	
Ethylbenzene	3468	100	2000	1653	90.8	75-125	3470	0.0577	30	
m,p-Xylene	11020	200	4000	7043	99.4	75-130	10970	0.464	30	
o-Xylene	4665	100	2000	2781	94.2	80-120	4638	0.58	30	
Toluene	1967	100	2000	149	90.9	75-120	1975	0.406	30	
Xylenes, Total	15680	300	6000	9824	97.6	75-130	15600	0.499	30	
Surr: 1,2-Dichloroethane-d4	10340	0	10000	0	103	70-120	10430	0.905	30	
Surr: 4-Bromofluorobenzene	9822	0	10000	0	98.2	75-120	9777	0.459	30	
Surr: Dibromofluoromethane	10290	0	10000	0	103	85-115	10350	0.591	30	
Surr: Toluene-d8	9816	0	10000	0	98.2	85-120	9811	0.051	30	

The following samples were analyzed in this batch:

1202160-01A

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **39228** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-39228-39228					Units: mg/Kg		Analysis Date: 2/10/2012 04:00 PM		
Client ID:	Run ID: WETCHEM_120210F				SeqNo: 1895359		Prep Date: 2/10/2012		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-39228-39228					Units: mg/Kg		Analysis Date: 2/10/2012 04:00 PM		
Client ID:	Run ID: WETCHEM_120210F				SeqNo: 1895357		Prep Date: 2/10/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.824 0.50 2 0 91.2 75-110 0

LCSD	Sample ID: LCSD-39228-39228					Units: mg/Kg		Analysis Date: 2/10/2012 04:00 PM		
Client ID:	Run ID: WETCHEM_120210F				SeqNo: 1895358		Prep Date: 2/10/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.98 0.50 2 0 99 75-110 1.824 8.2 20

MS	Sample ID: 1202291-01B MS					Units: mg/Kg		Analysis Date: 2/10/2012 04:00 PM		
Client ID:	Run ID: WETCHEM_120210F				SeqNo: 1895355		Prep Date: 2/10/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.113 0.49 1.953 0 57 60-130 0 S

MSD	Sample ID: 1202291-01B MSD					Units: mg/Kg		Analysis Date: 2/10/2012 04:00 PM		
Client ID:	Run ID: WETCHEM_120210F				SeqNo: 1895356		Prep Date: 2/10/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.315 0.49 1.946 0 67.6 60-130 1.113 16.6 30

The following samples were analyzed in this batch:

1202160-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R100848** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-R100848-R100848				Units: s.u.		Analysis Date: 2/6/2012 01:38 PM		
Client ID:		Run ID: WETCHEM_120206D		SeqNo: 1890242		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4.37	0	4.4	0	99.3	90-110	0			

DUP		Sample ID: 1202160-01B DUP				Units: s.u.		Analysis Date: 2/6/2012 01:38 PM		
Client ID: RGU-41-1-298		Run ID: WETCHEM_120206D		SeqNo: 1890244		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.34	0	0	0	0	0-0	8.34	0	20	

The following samples were analyzed in this batch:

1202160-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R100886** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS1-R100886				Units: % of sample			Analysis Date: 2/6/2012 02:20 PM		
Client ID:		Run ID: MOIST_120206B				SeqNo: 1891192		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-R100886				Units: % of sample			Analysis Date: 2/6/2012 02:20 PM		
Client ID:		Run ID: MOIST_120206B				SeqNo: 1891191		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: 1202150-01BDUP				Units: % of sample			Analysis Date: 2/6/2012 02:20 PM		
Client ID:		Run ID: MOIST_120206B				SeqNo: 1891171		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 74.64 0.050 0 0 0 0-0 68.02 9.28 20

DUP		Sample ID: 1202151-03BDUP				Units: % of sample			Analysis Date: 2/6/2012 02:20 PM		
Client ID:		Run ID: MOIST_120206B				SeqNo: 1891175		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 40.54 0.050 0 0 0 0-0 40.82 0.688 20

The following samples were analyzed in this batch:

1202160-01B

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

Client: WPX Energy Rocky Mountain, LLC
Work Order: 1202160
Project: RGU 41 1 298 2/3/12

QC BATCH REPORT

Batch ID: **R100891** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS1-R100891				Units: % of sample			Analysis Date: 2/6/2012 03:49 PM		
Client ID:		Run ID: MOIST_120206C				SeqNo: 1891226			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-R100891				Units: % of sample			Analysis Date: 2/6/2012 03:49 PM		
Client ID:		Run ID: MOIST_120206C				SeqNo: 1891225			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: 1202160-02ADUP				Units: % of sample			Analysis Date: 2/6/2012 03:49 PM		
Client ID: RGU-41-1-298-B-1		Run ID: MOIST_120206C				SeqNo: 1891204			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 10.95 0.050 0 0 0 0-0 11.07 1.09 20

DUP		Sample ID: 1202160-06ADUP				Units: % of sample			Analysis Date: 2/6/2012 03:49 PM		
Client ID: RGU-41-1-298-B-5		Run ID: MOIST_120206C				SeqNo: 1891209			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 13.04 0.050 0 0 0 0-0 13.55 3.84 20

The following samples were analyzed in this batch:

1202160-02A	1202160-03A	1202160-04A
1202160-05A	1202160-06A	

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



☐ **ALS Laboratory Group**

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Chain of Custody Form

☒ **ALS Laboratory Group**

3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

Page 1 of 1

Customer Information			Project Information				Parameter/Method Request for Analysis												
Purchase Order		Project Name	RGV-41-1-298		A	BTEX													
Work Order		Project Number			B	GRO													
Company Name	WPX Energy Rocky Mountain, LLC	Bill To Company	WPX Energy Rocky Mountain, LLC		C	DRO C10-C28													
Send Report To	Karoline Blaney	Invoice Attn	Karoline Blaney		D	As, Ba, Cd, Cr, Cu, Pb, Ni, Se, Ag, Zn and Hg													
Address	1058 Country Rd 215	Address	1058 Country Rd 215	E	Cr+6, Cr+3														
				F	PAHs-Table 910-1 List														
City/State/Zip	Parachute, CO 81635	City/State/Zip	Parachute, CO 81635		G	% Moisture													
Phone	(970) 683-2295	Phone	(970) 683-2295		H	SAR-EC, pH													
Fax	(970) 285-9573	Fax	(970) 285-9573		I	Arsenic Only													
e-Mail Address		e-Mail Address			J														
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	RGV-41-1-298	03 FEB 12	0957		NA		X	X	X	X	X	X	X	X					
2	RGV-41-1-298-B-1	03 FEB 12	1015		NA	1									X				
3	RGV-41-1-298-B-2	03 FEB 12	1020		NA	1									X				
4	RGV-41-1-298-B-3	03 FEB 12	1037		NA	1									X				
5	RGV-41-1-298-B-4	03 FEB 12	1043		NA	1									X				
6	RGV-41-1-298-B-5	03 FEB 12	1058		NA	1									X				
7																			
8																			
9																			
10																			

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)				Results Due Date:	
JANA SANDERS [Signature]				<input checked="" type="checkbox"/> Std 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> Other <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 24 Hour					
Relinquished by:	Date:	Time:	Received by:	Notes:					
[Signature]	03 FEB 12	1700	FED EX						
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)			
FED EX	2/4/12	1030	[Signature]		4.2°C	<input type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP CheckList			
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			<input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV			
DBS	2/4/12	1130	[Signature]			<input type="checkbox"/> Level IV SW846/CLP			
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035						<input type="checkbox"/> Other			

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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**Subcontractor:**A & L Great Lakes Agricultural La
3505 Conestoga Dr

TEL: (260) 483-4759

FAX: (260) 483-5274

Ft. Wayne, IN 46808

Acct #: 91000

CHAIN-OF-CUSTODY RECORDDate: **06-Feb-12**COC ID: **3443**Due Da **10-Feb-12**

Page 1 of 1

Environmental

Salesperson

Debbie Fazio

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order	20-1202160	Project Name	1202160	A	Subcontracted Analyses (SUBCONTRACT) <i>SAR-EC</i>											
Work Order		Project Number		B												
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	C												
Send Report To	Ann Preston	Inv Attn	Accounts Payable	D												
Address	3352 128th Avenue	Address	3352 128th Avenue	E												
				F												
City/State/Zip	Holland, Michigan 49424-9263	City/State/Zip	Holland, Michigan 49424-9263	G												
Phone	(616) 399-6070	Phone	(616) 399-6070	H												
Fax	(616) 399-6185	Fax	(616) 399-6185	I												
eMail Address	ann.preston@alsglobal.com	eMail CC		J												
Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J			
1202160-01C	Soil	3/Feb/2012 9:57	(1) MISC	X												

Comments:Please analyze for SAR-EC. Email results to Ann Preston.

Relinquished by: <i>Ann Preston</i>	Date/Time: <i>2/6/12 0900</i>	Received by:	Date/Time:	Cooler IDs	Report/QC Level
					Std
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Sample Receipt Checklist

Client Name: **WILLIAMS**

Date/Time Received: **04-Feb-12 10:30**

Work Order: **1202160**

Received by: **DS**

Checklist completed by Diane Shaw 04-Feb-12
eSignature Date

Reviewed by: Alex Csaszar 06-Feb-12
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"/>	
Temperature(s)/Thermometer(s):	<u>4.2 c</u>		
Cooler(s)/Kit(s):			
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:

**ALS Environmental**

3352 128th Avenue
Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6185

CUSTODY SEAL

Date: 03 FEB 12 Time: 1500
Name: [Signature]
Company: ITE

Seal Broken By:

Date:

MUR43

Express

Tracking Number

8698 0254 1882

Form 10 No.

0215**1 From.** This portion can be removed for Recipient's records.Date: 02 FEB 12 FedEx Tracking Number: **869802541882**Sender's Name: [Signature] Phone: 616 399-6070Company: ALS LABORATORY GROUPAddress: 3352 128TH AVECity: HOLLAND State: MI ZIP: 49424-9263**2 Your Internal Billing Reference**To Recipient's Name: [Signature] Phone: 616 399-6070Company: ALS LABORATORY GROUPRecipient's Address: 3352 128TH AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address: [Signature]

To request a package be held at a specific FedEx location, print FedEx address here.

City: HOLLAND State: MI ZIP: 49424-9263

8698 0254 1882

4a Express Package Service

- ☐ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.
- ☐ FedEx First Overnight
Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- ☐ FedEx 2Day
Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.
- *Declared value limit \$500.

4b Express Freight Service

- ☐ FedEx 1Day Freight*
Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 2Day Freight
Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 3Day Freight
Third business day.* Saturday Delivery NOT available.
- *Call for Confirmation.

5 Packaging

- ☐ FedEx Envelope* ☐ FedEx Pak*
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- ☐ FedEx Box ☐ FedEx Tube ☒ Other
- *Declared value limit \$500.

6 Special Handling

- ☒ SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- ☐ HOLD Weekday at FedEx Location
Not available for FedEx First Overnight.
- ☐ HOLD Saturday at FedEx Location
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?

- ☒ No ☐ Yes
One box must be checked. As per attached Shipper's Declaration.
- ☐ Yes
Shipper's Declaration not required.
- ☐ Dry Ice
Dry Ice, 3, UN 1845
- ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- 7 Payment Bill to:** Enter FedEx Acct. No. or Credit Card No. below.
- ☒ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
- Obtain Recip. Acct. No.

Total Packages

Total Weight

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Credit Card Auth.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.

- ☒ No Signature Required
Package may be left without obtaining a signature for delivery.
- ☐ Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.
- ☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

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16-Nov-2012

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

Re: **WPX RGU 41-1-298 Mixed Cuttings 11/6/12**

Work Order: **1211255**

Dear Mark,

ALS Environmental received 1 sample on 08-Nov-2012 10:00 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.

QC sample results for this data met 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 14.

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

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: MN331938

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
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12
Work Order: 1211255

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>
1211255-01	RGU 41-1-298 Mixed Cuttings	Soil		11/6/2012 08:30	11/8/2012 10:00	<input type="checkbox"/>

ALS Group USA, Corp

Date: 16-Nov-12

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12
Work Order: 1211255

Case Narrative

Batch 44701 sample 1211255-01 DRO surrogate recovery was above the upper control limits. The sample results for DRO may be biased high due to matrix interference.

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12
WorkOrder: 1211255

**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 detected below quantitation 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
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<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

ALS Group USA, Corp

Date: 16-Nov-12

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12
Sample ID: RGU 41-1-298 Mixed Cuttings
Collection Date: 11/6/2012 08:30 AM

Work Order: 1211255
Lab ID: 1211255-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep Date: 11/13/2012	Analyst: CW
DRO (C10-C28)	250		4.9	mg/Kg-dry	1	11/14/2012 08:55 AM
Surr: 4-Terphenyl-d14	145	S	39-115	%REC	1	11/14/2012 08:55 AM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015			Analyst: CW
GRO (C6-C10)	29		2.9	mg/Kg-dry	50	11/9/2012 04:11 PM
Surr: Toluene-d8	101		50-150	%REC	50	11/9/2012 04:11 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260		Prep Date: 11/9/2012	Analyst: RS
Benzene	280		35	µg/Kg-dry	1	11/12/2012 08:59 PM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	11/12/2012 08:59 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	11/12/2012 08:59 PM
Surr: Dibromofluoromethane	86.2		70-130	%REC	1	11/12/2012 08:59 PM
Surr: Toluene-d8	96.8		70-130	%REC	1	11/12/2012 08:59 PM
MOISTURE						
			A2540 G			Analyst: LR
Moisture	15		0.050	% of sample	1	11/12/2012 06:15 PM

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

ALS Group USA, Corp

Date: 16-Nov-12

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1211255

Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

Batch ID: **44701**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: DBLKS1-44701-44701				Units: mg/Kg		Analysis Date: 11/14/2012 05:46 AM		
Client ID:		Run ID: GC8_121113B				SeqNo: 2139385		Prep Date: 11/13/2012		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	1.215	0	1.667	0	72.9	39-115	0			

LCS		Sample ID: DLCSS1-44701-44701				Units: mg/Kg		Analysis Date: 11/14/2012 06:13 AM		
Client ID:		Run ID: GC8_121113B				SeqNo: 2139386		Prep Date: 11/13/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	108	4.2	166.7	0	64.8	49-124	0			
Surr: 4-Terphenyl-d14	1.536	0	1.667	0	92.2	39-115	0			

MS		Sample ID: 1211284-10B MS				Units: mg/Kg		Analysis Date: 11/14/2012 06:40 AM		
Client ID:		Run ID: GC8_121113B				SeqNo: 2139387		Prep Date: 11/13/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	198.5	7.9	315.5	0	62.9	49-130	0			
Surr: 4-Terphenyl-d14	2.831	0	3.155	0	89.7	39-115	0			

MSD		Sample ID: 1211284-10B MSD				Units: mg/Kg		Analysis Date: 11/14/2012 07:07 AM		
Client ID:		Run ID: GC8_121113B				SeqNo: 2139388		Prep Date: 11/13/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	208.7	8.2	329.1	0	63.4	49-130	198.5	5.04	30	
Surr: 4-Terphenyl-d14	2.994	0	3.291	0	91	39-115	2.831	5.61	30	

The following samples were analyzed in this batch: | 1211255-01A |

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

Client: HRL Compliance Solutions
Work Order: 1211255
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

QC BATCH REPORT

Batch ID: **R112351** Instrument ID **GC10** Method: **SW8015**

MBLK	Sample ID: GBLK1-121109-R112351					Units: µg/L		Analysis Date: 11/9/2012 09:27 AM		
Client ID:	Run ID: GC10_121109A				SeqNo: 2135420		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
<i>Surr: Toluene-d8</i>	120.6	0	100	0	121	70-130	0			

LCS	Sample ID: GLCS1-121109-R112351					Units: µg/L		Analysis Date: 11/9/2012 09:03 AM		
Client ID:	Run ID: GC10_121109A				SeqNo: 2135419		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	9014	200	10000	0	90.1	70-130	0			
<i>Surr: Toluene-d8</i>	123.7	0	100	0	124	70-130	0			

MS	Sample ID: 1211234-01A MS					Units: µg/Kg		Analysis Date: 11/9/2012 06:16 PM		
Client ID:	Run ID: GC10_121109A				SeqNo: 2137358		Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	440100	2,500	500000	17150	84.6	70-130	0			
<i>Surr: Toluene-d8</i>	5805	0	5000	0	116	50-150	0			

MSD	Sample ID: 1211234-01A MSD					Units: µg/Kg		Analysis Date: 11/9/2012 06:41 PM		
Client ID:	Run ID: GC10_121109A				SeqNo: 2137359		Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	439200	2,500	500000	17150	84.4	70-130	440100	0.202	30	
<i>Surr: Toluene-d8</i>	6030	0	5000	0	121	50-150	5805	3.79	30	

The following samples were analyzed in this batch:

1211255-01A

Client: HRL Compliance Solutions
Work Order: 1211255
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

QC BATCH REPORT

Batch ID: **44647** Instrument ID **VMS9** Method: **SW8260**

MBLK		Sample ID: MBLK-44647-44647				Units: µg/Kg		Analysis Date: 11/9/2012 11:11 PM		
Client ID:		Run ID: VMS9_121109A				SeqNo: 2135948		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	998.5	0	1000	0	99.8	70-130	0			
Surr: 4-Bromofluorobenzene	945.5	0	1000	0	94.6	70-130	0			
Surr: Dibromofluoromethane	940	0	1000	0	94	70-130	0			
Surr: Toluene-d8	1011	0	1000	0	101	70-130	0			

MBLK		Sample ID: MBLK-44647-44647				Units: µg/Kg		Analysis Date: 11/10/2012 10:38 PM		
Client ID:		Run ID: VMS9_121110A				SeqNo: 2136639		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	1000	0	1000	0	100	70-130	0			
Surr: 4-Bromofluorobenzene	943	0	1000	0	94.3	70-130	0			
Surr: Dibromofluoromethane	923.5	0	1000	0	92.4	70-130	0			
Surr: Toluene-d8	974	0	1000	0	97.4	70-130	0			

MBLK		Sample ID: MBLK-44647-44647				Units: µg/Kg		Analysis Date: 11/12/2012 12:52 PM		
Client ID:		Run ID: VMS9_121112A				SeqNo: 2137462		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	1047	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	916	0	1000	0	91.6	70-130	0			
Surr: Dibromofluoromethane	944.5	0	1000	0	94.4	70-130	0			
Surr: Toluene-d8	979.5	0	1000	0	98	70-130	0			

MBLK		Sample ID: MBLK-44647-44647				Units: µg/Kg		Analysis Date: 11/13/2012 01:15 AM		
Client ID:		Run ID: VMS9_121112B				SeqNo: 2137878		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	1048	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	926	0	1000	0	92.6	70-130	0			
Surr: Dibromofluoromethane	923.5	0	1000	0	92.4	70-130	0			
Surr: Toluene-d8	966	0	1000	0	96.6	70-130	0			

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

Client: HRL Compliance Solutions
Work Order: 1211255
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

QC BATCH REPORT

Batch ID: **44647** Instrument ID **VMS9** Method: **SW8260**

MBLK	Sample ID: MBLK-44647-44647					Units: µg/Kg		Analysis Date: 11/13/2012 04:10 AM		
Client ID:	Run ID: VMS8_121112B				SeqNo: 2138039		Prep Date: 11/9/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	972.5	0	1000	0	97.2	70-130	0			
Surr: 4-Bromofluorobenzene	990.5	0	1000	0	99	70-130	0			
Surr: Dibromofluoromethane	974.5	0	1000	0	97.4	70-130	0			
Surr: Toluene-d8	1032	0	1000	0	103	70-130	0			

LCS	Sample ID: LCS-44647-44647					Units: µg/Kg		Analysis Date: 11/9/2012 09:54 PM		
Client ID:	Run ID: VMS9_121109A				SeqNo: 2135947		Prep Date: 11/9/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	1091	30	1000	0	109	75-125	0			
Surr: 1,2-Dichloroethane-d4	998	0	1000	0	99.8	70-130	0			
Surr: 4-Bromofluorobenzene	998	0	1000	0	99.8	70-130	0			
Surr: Dibromofluoromethane	981	0	1000	0	98.1	70-130	0			
Surr: Toluene-d8	1002	0	1000	0	100	70-130	0			

LCS	Sample ID: LCS-44647-44647					Units: µg/Kg		Analysis Date: 11/10/2012 09:21 PM		
Client ID:	Run ID: VMS9_121110A				SeqNo: 2136637		Prep Date: 11/9/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	1008	30	1000	0	101	75-125	0			
Surr: 1,2-Dichloroethane-d4	1013	0	1000	0	101	70-130	0			
Surr: 4-Bromofluorobenzene	1001	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	1034	0	1000	0	103	70-130	0			
Surr: Toluene-d8	999	0	1000	0	99.9	70-130	0			

LCS	Sample ID: LCS-44647-44647					Units: µg/Kg		Analysis Date: 11/12/2012 11:35 AM		
Client ID:	Run ID: VMS9_121112A				SeqNo: 2137460		Prep Date: 11/9/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	902.5	30	1000	0	90.2	75-125	0			
Surr: 1,2-Dichloroethane-d4	1039	0	1000	0	104	70-130	0			
Surr: 4-Bromofluorobenzene	999.5	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	1040	0	1000	0	104	70-130	0			
Surr: Toluene-d8	1019	0	1000	0	102	70-130	0			

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

Client: HRL Compliance Solutions
Work Order: 1211255
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

QC BATCH REPORT

Batch ID: **44647** Instrument ID **VMS9** Method: **SW8260**

LCS		Sample ID: LCS-44647-44647				Units: µg/Kg		Analysis Date: 11/12/2012 11:58 PM		
Client ID:		Run ID: VMS9_121112B				SeqNo: 2137877		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1026	30	1000	0	103	75-125	0			
Surr: 1,2-Dichloroethane-d4	1046	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	969.5	0	1000	0	97	70-130	0			
Surr: Dibromofluoromethane	1056	0	1000	0	106	70-130	0			
Surr: Toluene-d8	1004	0	1000	0	100	70-130	0			

LCS		Sample ID: LCS-44647-44647				Units: µg/Kg		Analysis Date: 11/13/2012 02:59 AM		
Client ID:		Run ID: VMS8_121112B				SeqNo: 2138038		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	986.5	30	1000	0	98.6	75-125	0			
Surr: 1,2-Dichloroethane-d4	974	0	1000	0	97.4	70-130	0			
Surr: 4-Bromofluorobenzene	999	0	1000	0	99.9	70-130	0			
Surr: Dibromofluoromethane	992	0	1000	0	99.2	70-130	0			
Surr: Toluene-d8	1028	0	1000	0	103	70-130	0			

MS		Sample ID: 1211266-16A MS				Units: µg/Kg		Analysis Date: 11/12/2012 09:24 PM		
Client ID:		Run ID: VMS9_121112A				SeqNo: 2137436		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2001	62	2079	0	96.2	75-125	0			
Surr: 1,2-Dichloroethane-d4	2184	0	2079	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	2106	0	2079	0	101	70-130	0			
Surr: Dibromofluoromethane	2035	0	2079	0	97.9	70-130	0			
Surr: Toluene-d8	2017	0	2079	0	97	70-130	0			

MSD		Sample ID: 1211266-16A MSD				Units: µg/Kg		Analysis Date: 11/12/2012 09:50 PM		
Client ID:		Run ID: VMS9_121112A				SeqNo: 2137437		Prep Date: 11/9/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2059	62	2079	0	99	75-125	2001	2.87	30	
Surr: 1,2-Dichloroethane-d4	2121	0	2079	0	102	70-130	2184	2.95	30	
Surr: 4-Bromofluorobenzene	2082	0	2079	0	100	70-130	2106	1.14	30	
Surr: Dibromofluoromethane	2055	0	2079	0	98.8	70-130	2035	0.966	30	
Surr: Toluene-d8	2032	0	2079	0	97.8	70-130	2017	0.77	30	

The following samples were analyzed in this batch:

1211255-01A

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

Client: HRL Compliance Solutions
Work Order: 1211255
Project: WPX RGU 41-1-298 Mixed Cuttings 11/6/12

QC BATCH REPORT

Batch ID: **R112451** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R112451					Units: % of sample		Analysis Date: 11/12/2012 06:15 PM		
Client ID:	Run ID: MOIST_121112B				SeqNo: 2137348		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-R112451					Units: % of sample		Analysis Date: 11/12/2012 06:15 PM		
Client ID:	Run ID: MOIST_121112B				SeqNo: 2137344		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: 1211236-06A DUP					Units: % of sample		Analysis Date: 11/12/2012 06:15 PM		
Client ID:	Run ID: MOIST_121112B				SeqNo: 2137333		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 8.96 0.050 0 0 0 0-0 9.48 5.64 20

DUP	Sample ID: 1211286-01B DUP					Units: % of sample		Analysis Date: 11/12/2012 06:15 PM		
Client ID:	Run ID: MOIST_121112B				SeqNo: 2137340		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.83 0.050 0 0 0 0-0 11.82 0.0846 20

DUP	Sample ID: 1211306-02A DUP					Units: % of sample		Analysis Date: 11/12/2012 06:15 PM		
Client ID:	Run ID: MOIST_121112B				SeqNo: 2137342		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 18.09 0.050 0 0 0 0-0 18.48 2.13 20

The following samples were analyzed in this batch:

1211255-01A

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
#

1211255

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME WPX Rgu 41-1-298 Mixed Cuttings

SAMPLER

Reed Wold

DATE

11/7/2012

SITE ID

RGU 41-1-298

TURNAROUND

5 day

PROJECT No.

EDD FORMAT

COMPANY NAME

HRL Compliance

PURCHASE ORDER

BILL TO COMPANY

WPX

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

DRO/ GRO

Benzene

RGU 41-1-298 Mixed Cuttings

SO

11/6/2012

8:30

1

8

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)

28' c

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	11/7/12	5:00
<i>Diane F Shaw</i>	Diane F Shaw	11/8/12	1000
RELINQUISHED BY			
RECEIVED BY			
RELINQUISHED BY			
RECEIVED BY			
RELINQUISHED BY			
RECEIVED BY			

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **08-Nov-12 10:00**

Work Order: **1211255**

Received by: **DS**

Checklist completed by Diane Shaw 08-Nov-12
eSignature Date

Reviewed by: Ann Preston 11-Nov-12
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"/>	
Temperature(s)/Thermometer(s):	<u>2.8 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>11/8/2012 2:11:41 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:

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx **Next Business Day**
Express **US Bill**

Tracking Number

987 5964 3468

0200

FedEx Retrieval Copy

1 From

Date

11/2/10

Express Package Service

Note: Standard

FAX: +1 616 399 6186
Tel: +1 616 399 6070
Holland, Michigan 48424



Date:
Seal Broken By:

CUSTODY SEAL

City

Holland

State

MI

ZIP

48424

2 Your Internal Billing Reference

3 To

Recipient's Name

Samuel R. Riving

Phone

616 399 6070

Company

ALS Environmental

Address

2332 128th Ave

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

Holland

State

MI

ZIP

48424

HOLD Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.

01

HOLD Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

31

Dept./Room/Store/Box

06

FedEx Envelope

02

FedEx Pak

03

FedEx Box

04

FedEx Tube

07

Other

6 Special Handling and Delivery Signature Options

03 SATURDAY DELIVERY

No Signature Required
Package may be left without
obtaining a signature for delivery.

10

Direct Signature
Someone at recipient's address
may sign for delivery. Fee applies.

Indirect Signature
If not available at recipient's
address, someone at a neighboring
address may sign for delivery. For
revised delivery time only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

No 04

Yes

As per attached
Shipper's Declaration

Yes

Shipper's Declaration
is required.

06

Dry Ice

Dry Ice 9, UN 1845

07

Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging
if placed in a FedEx Express Drop Box.

7 Payment Bill to:

Sender
Acct. No. in Section
1 of this bill

2

Recipient

3

Third Party

4

Credit Card

5

Cash/Check

Obtain receipt
Acct. No.

Total Packages

Total Weight

Credit Card Acct.

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Terms and Conditions for details.

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8987 5964 3468

612

fedex.com 1.800.GoFedEx 1.800.463.3339



12-Apr-2013

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

Re: **WPX RGU 41-1-298 Cuttings**

Work Order: **1304162**

Dear Mark,

ALS Environmental received 1 sample on 04-Apr-2013 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 11.

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 Group An ALS Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Cuttings
Work Order: 1304162

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>
1304162-01	RGU 41-1-298 Cuttings	Soil		4/2/2013 11:00	4/4/2013 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Cuttings
WorkOrder: 1304162

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 detected below quantitation 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
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
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

ALS Group USA, Corp

Date: 12-Apr-13

Client: HRL Compliance Solutions
Project: WPX RGU 41-1-298 Cuttings
Sample ID: RGU 41-1-298 Cuttings
Collection Date: 4/2/2013 11:00 AM

Work Order: 1304162
Lab ID: 1304162-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
VOLATILE ORGANIC COMPOUNDS			SW8260		Prep Date: 4/9/2013	Analyst: RS
Benzene	120		37	µg/Kg-dry	1	4/10/2013 10:34 PM
Surr: 1,2-Dichloroethane-d4	83.0		70-130	%REC	1	4/10/2013 10:34 PM
Surr: 4-Bromofluorobenzene	104		70-130	%REC	1	4/10/2013 10:34 PM
Surr: Dibromofluoromethane	87.8		70-130	%REC	1	4/10/2013 10:34 PM
Surr: Toluene-d8	96.9		70-130	%REC	1	4/10/2013 10:34 PM
MOISTURE			A2540 G			Analyst: LR
Moisture	18		0.050	% of sample	1	4/6/2013 02:00 PM

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

ALS Group USA, Corp

Date: 12-Apr-13

Client: HRL Compliance Solutions
Work Order: 1304162
Project: WPX RGU 41-1-298 Cuttings

QC BATCH REPORT

Batch ID: **47540** Instrument ID **VMS9** Method: **SW8260**

MBLK Sample ID: MBLK-47540-47540				Units: µg/Kg		Analysis Date: 4/10/2013 04:45 AM				
Client ID:		Run ID: VMS9_130409B		SeqNo: 2269197		Prep Date: 4/9/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	871.5	0	1000	0	87.2	70-130	0			
Surr: 4-Bromofluorobenzene	981	0	1000	0	98.1	70-130	0			
Surr: Dibromofluoromethane	905	0	1000	0	90.5	70-130	0			
Surr: Toluene-d8	1010	0	1000	0	101	70-130	0			

MBLK Sample ID: MBLK-47540-47540				Units: µg/Kg		Analysis Date: 4/10/2013 05:54 PM				
Client ID:		Run ID: VMS9_130410A		SeqNo: 2270971		Prep Date: 4/9/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	872.5	0	1000	0	87.2	70-130	0			
Surr: 4-Bromofluorobenzene	974	0	1000	0	97.4	70-130	0			
Surr: Dibromofluoromethane	886.5	0	1000	0	88.6	70-130	0			
Surr: Toluene-d8	1016	0	1000	0	102	70-130	0			

MBLK Sample ID: MBLK-47540-47540				Units: µg/Kg		Analysis Date: 4/11/2013 01:20 AM				
Client ID:		Run ID: VMS5_130410B		SeqNo: 2271568		Prep Date: 4/9/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	1006	0	1000	0	101	70-130	0			
Surr: 4-Bromofluorobenzene	956	0	1000	0	95.6	70-130	0			
Surr: Dibromofluoromethane	955	0	1000	0	95.5	70-130	0			
Surr: Toluene-d8	984.5	0	1000	0	98.4	70-130	0			

MBLK Sample ID: MBLK-47540-47540				Units: µg/Kg		Analysis Date: 4/11/2013 12:23 PM				
Client ID:		Run ID: VMS8_130410B		SeqNo: 2271626		Prep Date: 4/9/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	888.5	0	1000	0	88.8	70-130	0			
Surr: 4-Bromofluorobenzene	986	0	1000	0	98.6	70-130	0			
Surr: Dibromofluoromethane	917.5	0	1000	0	91.8	70-130	0			
Surr: Toluene-d8	960	0	1000	0	96	70-130	0			

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

Client: HRL Compliance Solutions
 Work Order: 1304162
 Project: WPX RGU 41-1-298 Cuttings

QC BATCH REPORT

Batch ID: **47540** Instrument ID **VMS9** Method: **SW8260**

MBLK	Sample ID: MBLK-47540-47540				Units: µg/Kg		Analysis Date: 4/11/2013 12:07 PM			
Client ID:	Run ID: VMS6_130411A				SeqNo: 2272316		Prep Date: 4/9/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	ND	30								
Surr: 1,2-Dichloroethane-d4	1036	0	1000	0	104	70-130	0			
Surr: 4-Bromofluorobenzene	999	0	1000	0	99.9	70-130	0			
Surr: Dibromofluoromethane	988.5	0	1000	0	98.8	70-130	0			
Surr: Toluene-d8	1004	0	1000	0	100	70-130	0			

LCS	Sample ID: LCS-47540-47540				Units: µg/Kg		Analysis Date: 4/10/2013 03:29 AM			
Client ID:	Run ID: VMS9_130409B				SeqNo: 2269196		Prep Date: 4/9/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	921.5	30	1000	0	92.2	75-125	0			
Surr: 1,2-Dichloroethane-d4	889.5	0	1000	0	89	70-130	0			
Surr: 4-Bromofluorobenzene	1018	0	1000	0	102	70-130	0			
Surr: Dibromofluoromethane	921.5	0	1000	0	92.2	70-130	0			
Surr: Toluene-d8	972.5	0	1000	0	97.2	70-130	0			

LCS	Sample ID: LCS-47540-47540				Units: µg/Kg		Analysis Date: 4/10/2013 04:37 PM			
Client ID:	Run ID: VMS9_130410A				SeqNo: 2270968		Prep Date: 4/9/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	969	30	1000	0	96.9	75-125	0			
Surr: 1,2-Dichloroethane-d4	860.5	0	1000	0	86	70-130	0			
Surr: 4-Bromofluorobenzene	1006	0	1000	0	101	70-130	0			
Surr: Dibromofluoromethane	916.5	0	1000	0	91.6	70-130	0			
Surr: Toluene-d8	998.5	0	1000	0	99.8	70-130	0			

LCS	Sample ID: LCS-47540-47540				Units: µg/Kg		Analysis Date: 4/11/2013 12:12 PM			
Client ID:	Run ID: VMS5_130410B				SeqNo: 2271569		Prep Date: 4/9/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	990.5	30	1000	0	99	75-125	0			
Surr: 1,2-Dichloroethane-d4	988.5	0	1000	0	98.8	70-130	0			
Surr: 4-Bromofluorobenzene	982	0	1000	0	98.2	70-130	0			
Surr: Dibromofluoromethane	977	0	1000	0	97.7	70-130	0			
Surr: Toluene-d8	988	0	1000	0	98.8	70-130	0			

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

Client: HRL Compliance Solutions
 Work Order: 1304162
 Project: WPX RGU 41-1-298 Cuttings

QC BATCH REPORT

Batch ID: **47540** Instrument ID **VMS9** Method: **SW8260**

LCS		Sample ID: LCS-47540-47540				Units: µg/Kg		Analysis Date: 4/10/2013 11:35 PM		
Client ID:		Run ID: VMS8_130410B				SeqNo: 2271624		Prep Date: 4/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	988	30	1000	0	98.8	75-125	0			
Surr: 1,2-Dichloroethane-d4	924.5	0	1000	0	92.4	70-130	0			
Surr: 4-Bromofluorobenzene	992	0	1000	0	99.2	70-130	0			
Surr: Dibromofluoromethane	952.5	0	1000	0	95.2	70-130	0			
Surr: Toluene-d8	966.5	0	1000	0	96.6	70-130	0			

LCS		Sample ID: LCS-47540-47540				Units: µg/Kg		Analysis Date: 4/11/2013 10:54 AM		
Client ID:		Run ID: VMS6_130411A				SeqNo: 2272315		Prep Date: 4/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1062	30	1000	0	106	75-125	0			
Surr: 1,2-Dichloroethane-d4	981.5	0	1000	0	98.2	70-130	0			
Surr: 4-Bromofluorobenzene	1005	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	1025	0	1000	0	102	70-130	0			
Surr: Toluene-d8	1006	0	1000	0	101	70-130	0			

MS		Sample ID: 1304323-01A MS				Units: µg/Kg		Analysis Date: 4/11/2013 09:07 AM		
Client ID:		Run ID: VMS8_130410B				SeqNo: 2271614		Prep Date: 4/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	892.5	30	1000	0	89.2	75-125	0			
Surr: 1,2-Dichloroethane-d4	884	0	1000	0	88.4	70-130	0			
Surr: 4-Bromofluorobenzene	991.5	0	1000	0	99.2	70-130	0			
Surr: Dibromofluoromethane	905.5	0	1000	0	90.6	70-130	0			
Surr: Toluene-d8	937	0	1000	0	93.7	70-130	0			

MSD		Sample ID: 1304323-01A MSD				Units: µg/Kg		Analysis Date: 4/11/2013 09:31 AM		
Client ID:		Run ID: VMS8_130410B				SeqNo: 2271616		Prep Date: 4/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	876.5	30	1000	0	87.6	75-125	892.5	1.81	30	
Surr: 1,2-Dichloroethane-d4	890	0	1000	0	89	70-130	884	0.676	30	
Surr: 4-Bromofluorobenzene	967.5	0	1000	0	96.8	70-130	991.5	2.45	30	
Surr: Dibromofluoromethane	896.5	0	1000	0	89.6	70-130	905.5	0.999	30	
Surr: Toluene-d8	912	0	1000	0	91.2	70-130	937	2.7	30	

The following samples were analyzed in this batch:

1304162-01A

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

Client: HRL Compliance Solutions
Work Order: 1304162
Project: WPX RGU 41-1-298 Cuttings

QC BATCH REPORT

Batch ID: **R118550** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS1-R118550				Units: % of sample		Analysis Date: 4/6/2013 02:00 PM		
Client ID:		Run ID: MOIST_130406C				SeqNo: 2265128		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-R118550				Units: % of sample			Analysis Date: 4/6/2013 02:00 PM		
Client ID:		Run ID: MOIST_130406C				SeqNo: 2265124		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: 1304177-01ADUP					Units: % of sample		Analysis Date: 4/6/2013 02:00 PM		
Client ID:		Run ID: MOIST_130406C			SeqNo: 2265112		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	16.69	0.050	0	0	0	0-0	18.1	8.11	20		

DUP		Sample ID: 1304223-02BDUP				Units: % of sample		Analysis Date: 4/6/2013 02:00 PM		
Client ID:		Run ID: MOIST_130406C		SeqNo: 2265115		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.89	0.050	0	0	0	0-0	11.97	7.4	20	

The following samples were analyzed in this batch:

1304162-01A

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

Chain-of-Custody

WORKORDER
#


1304162





Form 202r8

[illegible]

*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: <div style="text-align: center;"> <p>2.0%</p>  </div>	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"/>	
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-NaHSO ₄ 7-Other 8-4 degrees C 9-5035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		R. J. W. D.	4/3/13	1:00
RECEIVED BY		N. M.	4/3/13	10:00
RELINQUISHED BY		N. M.	4/3/13	1:10
RECEIVED BY		KEITY WIERENCA	4/4/13	0930
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 04-Apr-13 09:30

Work Order: 1304162

Received by: KRW

Checklist completed by Keith Wurenga 04-Apr-13
eSignature Date

Reviewed by: Ann Preston 05-Apr-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"/>	
Temperature(s)/Thermometer(s):	<u>2.0 C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>4/4/2013 10:57:27 AM</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



127 E First Street
PARACHUTE, CO 81635

Ship Date: 03APR13
Act/Wgt: 50.0 LB
CAD: 103923490/INET3370

Dims: 25 X 14 X 15 IN

Delivery Address Bar Code



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

BILL RECIPIENT

Ref # 1001-040313-1
Invoice #
PO #
Dept #

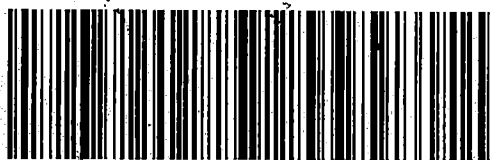
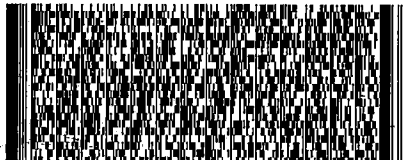
HOLLAND, MI 49424

THU - 04 APR 3:00P
STANDARD OVERNIGHT

TRK# 7994 3957 6173
0201

XX GRRRA

49424
MI-US
GRR



51831648E93A8

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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Seal Break	Date: _____	CUSTODY SEAL		<p>ALS Environmental 3352 128th Avenue Holland, Michigan 49424 Tel. +1 616 399-6070 Fax. +1 616 399-6185</p>
		Time: _____	Company: _____	