FORM 4
Rev 04/13

State of Colorado
Oil and Gas Conservation Commission

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

DE	ET	OE	ES

Document Number: 400633625

Date Received: 06/26/2014

SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 96850 Contact Name: Karolina Blaney

Name of Operator: WPX ENERGY ROCKY MOUNTAIN LLC Phone: (970) 6832295

Address: 1001 17TH STREET - SUITE #1200 Fax: (970) 2859573

City: DENVER State: CO Zip: 80202 Email: karolina.blaney@wpxenergy.com

Complete the Attachment Checklist

OP OGCC

API Number : 05- 103 00 OGCC Facility ID Number: 422672

Well/Facility Name: Mautz Ranch Multi Well Pit Well/Facility Number:

Location QtrQtr: SENW Section: 19 Township: 2S Range: 98W Meridian: 6

County: RIO BLANCO Field Name:

Federal, Indian or State Lease Number:

Survey Plat		
Directional Survey		
Srfc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

☐ Change of Location * ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

SURFACE LOCATION GPS DATA

Data must be provided for Change of Surface Location and As Built Reports.

Latitude PDOP Reading Date of Measurement

Longitude GPS Instrument Operator's Name

LOCATION CHANGE **(all measurements in Feet)**

Well will be: (Vertical, Directional, Horizontal)

	FNL/FSL		FEL/FWL		
Change of **Surface** Footage **From** Exterior Section Lines:	2011	FNL	1721	FWL	
Change of **Surface** Footage **To** Exterior Section Lines:					

Current **Surface** Location **From** QtrQtr SENW Sec 19 Twp 2S Range 98W Meridian 6

New **Surface** Location **To** QtrQtr Sec Twp Range Meridian

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:					
Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:					**

Current **Top of Productive Zone** Location **From** Sec Twp Range

New **Top of Productive Zone** Location **To** Sec Twp Range

Change of **Bottomhole** Footage **From** Exterior Section Lines:					
Change of **Bottomhole** Footage **To** Exterior Section Lines:					**

Current **Bottomhole** Location Sec Twp Range ** attach deviated drilling plan

New **Bottomhole** Location Sec Twp Range

Is location in High Density Area?

Distance, in feet, to nearest building , public road: , above ground utility: , railroad: ,

property line: , lease line: , well in same formation:

Ground Elevation feet Surface owner consultation date

OTHER CHANGES

- [ ] **REMOVE FROM SURFACE BOND** **Signed surface use agreement is a required attachment**
- [ ] **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name MAUTZ RANCH MULTI WELL PIT Number _____ Effective Date: _____

To: Name _____ Number _____

- [ ] **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**
  - [ ] WELL:Abandon Application for Permit-to-Drill (Form2) – Well API Number _____ has not been drilled.
  - [ ] PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 905)
  - [ ] CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number _____ has not been constructed (Constructed facility requires closure per Rule 908)

  OIL & GAS LOCATION ID Number: _____
    - [ ] Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.
    - [ ] Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

  Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

- [ ] **REQUEST FOR CONFIDENTIAL STATUS**
- [ ] **DIGITAL WELL LOG UPLOAD**
- [ ] **DOCUMENTS SUBMITTED** Purpose of Submission: _____

RECLAMATION

INTERIM RECLAMATION

- [ ] Interim Reclamation will commence approximately _____

  Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

- [ ] Interim reclamation complete, site ready for inspection.
  Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

  Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

- [ ] Final Reclamation will commence approximately _____

  Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

- [ ] Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

  Field inspection will be conducted to document Rule 1004.c. compliance

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

☐ SPUD DATE: _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☐ NOTICE OF INTENT Approximate Start Date _____

☒ REPORT OF WORK DONE Date Work Completed 06/26/2014

☐ Intent to Recomplete (Form 2 also required)	☐ Request to Vent or Flare	☐ E&P Waste Mangement Plan
☐ Change Drilling Plan	☐ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Change	☐ Rule 502 variance requested. Must provide detailed info regarding request.	
☐ Other _____	☒ Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

Attached are the laboratory reports and the sample location map for the soil samples collected from the excavated area located at the Mautz Ranch facility to confirm that soil impacted by a historical produced water release, that was discovered on June 4, 2014, meets the COGCC cleanup requirements specified in the COGCC 900 Series rules.
The area impacted by the release was excavated to a depth of approximately 2'. Impacted soils generated by remedial activities were transported to an approved third party disposal facility (manifests are attached). Two grab samples were collected from the bottom of the excavation and were analyzed for the constituents listed in Table 910-1. Three grab samples were collected from nearby non-impacted, native soil to establish the background concentrations for inorganics and arsenic.
The analytical results indicated compliance with Table 910-1 standards for hydrocarbons and exceedance for inorganics. In accordance with COGCC guideline Q32 regarding inorganics, the impacted area was covered with 3' of clean soil during backfilling activities in order to account for the exceedance.
WPX respectfully requests closure of this incident.

H2S REPORTING

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million) Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public

use:

COMMENTS:

Best Management Practices

No	BMP/COA Type	Description

Operator Comments:

Environmental information for Stan Spencer's approval.

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

Signed: Print Name: Karolina Blaney

Title: Environmental Specialist Email: karolina.blaney@wpxenergy.com Date: 6/26/2014

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Spencer, Stan Date: 6/27/2014

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
	Confirmation soil sample concentrations are< Table 910-1. 21 cy contaminated soil disposed offsite at approved facility. No further action necessary.

General Comments

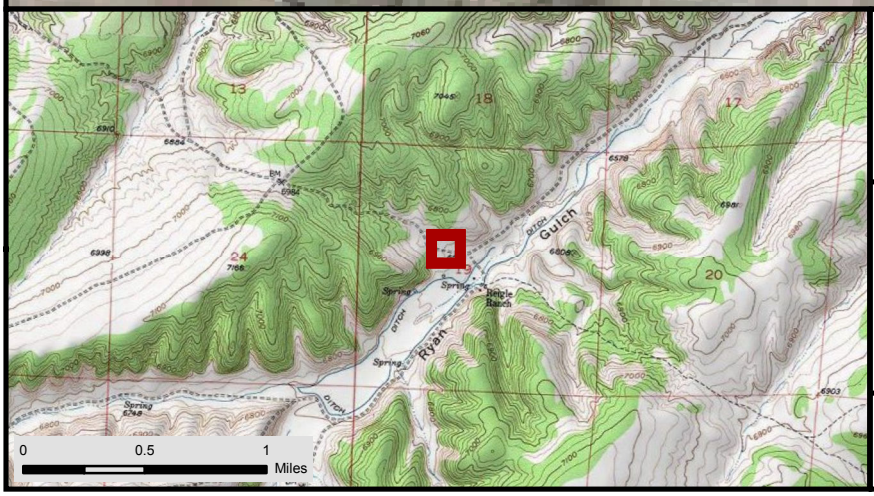
User Group	Comment	Comment Date

Total: 0 comment(s)

Attachment Check List

Att Doc Num	Name
400633625	FORM 4 SUBMITTED
400633627	OTHER

Total Attach: 2 Files



WPXENERGY Sample Location Map: Mautz Ranch

39.863315 -108.436632
Section 19, Township 2 South, Range 98 West

- Sample Location
- Impacted Area

PLSS
- Township
- Section

Transportation
- CO Highways
- County Roads
- Local Streets
- WPX Access

Hydrography
- Ditch
- Intermittent Stream
- Perennial Stream
- Waterbody
- Watershed

HCSI Environmental Consultants
HRL Compliance Solutions, Inc.

N

Author:	B. Hall
Revision:	0
Date:	6/18/2014

T:\Client_Specific\2014\WPX Energy\Mautz Ranch\Spills\Mautz Ranch Sample Location Map 6-18-14.mxd

16-Jun-2014

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

Re: **WPX Mautz Pit Tank Farm 6.4.14** Work Order: **1406251**

Dear Mark,

ALS Environmental received 2 samples on 05-Jun-2014 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN 532786

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

ALS Group USA, Corp

Date: 16-Jun-14

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14
Work Order: **1406251**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1406251-01	Northeast Sample Point	Soil		6/4/2014 13:30	6/5/2014 09:30	☐
1406251-02	South West Sample Point	Soil		6/4/2014 13:45	6/5/2014 09:30	☐

ALS Group USA, Corp

Date: 16-Jun-14

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14
Work Order: 1406251

Case Narrative

Batch 59350 sample 1406251-02 had one PAH surrogate recovery that was below control limits due to matrix interference. The reporting limits may be biased low.

Batch 59388 sample Northeast Sample Point MS recoveries for Chromium and Nickel and MSD recovery for Selenium were outside control limits. The MS recovery for Selenium and the MSD recoveries for Chromium and Nickel and corresponding RPDs were in control. No qualification is required for these elements. The MS recoveries for Barium and Zinc were above control limits, however, the results in the parent sample were greater than 4x the spiked amount. No qualification is required for Barium and Zinc.

Batch 59427 MS/MSD data for Hexavalent Chromium is not related to this project's samples. No data requires qualification.

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

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

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

ALS Group USA, Corp

Date: *16-Jun-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14 **Work Order:** 1406251
Sample ID: Northeast Sample Point **Lab ID:** 1406251-01
Collection Date: 6/4/2014 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 6/5/14	Analyst: **IT**
DRO (C10-C28)	**23**		**5.0**	**mg/Kg-dry**	1	6/6/2014 05:39 AM
Surr: 4-Terphenyl-d14	*93.7*		*39-133*	*%REC*	1	6/6/2014 05:39 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**		Prep: SW5035 / 6/5/14	Analyst: **IT**
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	6/6/2014 07:31 AM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	1	6/6/2014 07:31 AM
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 6/6/14	Analyst: **LR**
Mercury	ND		0.017	mg/Kg-dry	1	6/6/2014 03:57 PM
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 6/5/14	Analyst: **ML**
Arsenic	**4.4**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Barium	**280**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Cadmium	ND		0.86	mg/Kg-dry	5	6/6/2014 01:32 AM
Chromium	**26**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Copper	**11**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Lead	**13**		**2.2**	**mg/Kg-dry**	5	6/6/2014 09:09 PM
Nickel	**15**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Selenium	**4.0**		**2.2**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
Silver	ND		2.2	mg/Kg-dry	5	6/6/2014 01:32 AM
Zinc	**47**		**4.3**	**mg/Kg-dry**	5	6/6/2014 01:32 AM
SOLUBLE CATIONS FOR SAR			**SW6020A**		Prep: USDA Method 20B / 6/10/14	Analyst: **ML**
Calcium	**370**		**10**	**mg/L**	20	6/13/2014 01:18 PM
Magnesium	**120**		**4.0**	**mg/L**	20	6/14/2014 09:02 AM
Sodium	**430**		**4.0**	**mg/L**	20	6/14/2014 09:02 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 6/10/14	Analyst: **ML**
Sodium Adsorption Ratio	**4.9**		**0.010**	**none**	1	6/13/2014
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 6/5/14	Analyst: **RM**
Acenaphthene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Acenaphthylene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Anthracene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Benzo(a)anthracene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Benzo(a)pyrene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Benzo(b)fluoranthene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Benzo(g,h,i)perylene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Benzo(k)fluoranthene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Chrysene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM

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

ALS Group USA, Corp

Date: *16-Jun-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14 **Work Order:** 1406251
Sample ID: Northeast Sample Point **Lab ID:** 1406251-01
Collection Date: 6/4/2014 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Fluoranthene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Fluorene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Indeno(1,2,3-cd)pyrene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Naphthalene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Pyrene	ND		8.0	µg/Kg-dry	1	6/6/2014 03:35 AM
Surr: 2-Fluorobiphenyl	*33.2*		*12-100*	*%REC*	1	6/6/2014 03:35 AM
Surr: 4-Terphenyl-d14	*51.4*		*25-137*	*%REC*	1	6/6/2014 03:35 AM
Surr: Nitrobenzene-d5	*37.1*		*37-107*	*%REC*	1	6/6/2014 03:35 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 6/5/14	Analyst: **AK**
Benzene	ND		36	µg/Kg-dry	1	6/5/2014 04:15 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	6/5/2014 04:15 PM
m,p-Xylene	**84**		**72**	**µg/Kg-dry**	1	6/5/2014 04:15 PM
o-Xylene	ND		36	µg/Kg-dry	1	6/5/2014 04:15 PM
Toluene	ND		36	µg/Kg-dry	1	6/5/2014 04:15 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	6/5/2014 04:15 PM
Surr: 1,2-Dichloroethane-d4	*97.4*		*70-130*	*%REC*	1	6/5/2014 04:15 PM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	1	6/5/2014 04:15 PM
Surr: Dibromofluoromethane	*95.6*		*70-130*	*%REC*	1	6/5/2014 04:15 PM
Surr: Toluene-d8	*94.9*		*70-130*	*%REC*	1	6/5/2014 04:15 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 6/10/14	Analyst: **MELB**
Electrical Conductivity @ Saturation	**5.3**		**0.050**	**mmhos/cm @25**	10	6/10/2014 05:00 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **EE**
Chromium, Trivalent	**26**		**0.60**	**mg/Kg-dry**	1	6/9/2014 03:45 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 6/6/14	Analyst: **JI**
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	6/9/2014 12:00 PM
MOISTURE			**A2540 G**			Analyst: **TM**
Moisture	**17**		**0.050**	**% of sample**	1	6/5/2014 05:14 PM
PH			**SW9045D**		Prep: EXTRACT / 6/6/14	Analyst: **AT**
pH	**8.2**			**s.u.**	1	6/6/2014 11:30 AM

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

ALS Group USA, Corp

Date: *16-Jun-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14 **Work Order:** 1406251
Sample ID: South West Sample Point **Lab ID:** 1406251-02
Collection Date: 6/4/2014 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 6/5/14	Analyst: **IT**
DRO (C10-C28)	**17**		**4.9**	**mg/Kg-dry**	1	6/6/2014 06:09 AM
Surr: 4-Terphenyl-d14	*91.8*		*39-133*	*%REC*	1	6/6/2014 06:09 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**		Prep: SW5035 / 6/5/14	Analyst: **IT**
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	6/6/2014 07:55 AM
Surr: Toluene-d8	*107*		*50-150*	*%REC*	1	6/6/2014 07:55 AM
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 6/6/14	Analyst: **LR**
Mercury	ND		0.015	mg/Kg-dry	1	6/6/2014 03:59 PM
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 6/5/14	Analyst: **ML**
Arsenic	**4.0**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Barium	**280**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Cadmium	ND		0.88	mg/Kg-dry	5	6/6/2014 02:23 AM
Chromium	**30**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Copper	**11**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Lead	**12**		**2.2**	**mg/Kg-dry**	5	6/6/2014 09:34 PM
Nickel	**15**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Selenium	**4.0**		**2.2**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
Silver	ND		2.2	mg/Kg-dry	5	6/6/2014 02:23 AM
Zinc	**46**		**4.4**	**mg/Kg-dry**	5	6/6/2014 02:23 AM
SOLUBLE CATIONS FOR SAR			**SW6020A**		Prep: USDA Method 20B / 6/10/14	Analyst: **ML**
Calcium	**500**		**10**	**mg/L**	20	6/13/2014 01:30 PM
Magnesium	**170**		**4.0**	**mg/L**	20	6/14/2014 09:18 AM
Sodium	**1,200**		**4.0**	**mg/L**	20	6/14/2014 09:18 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 6/10/14	Analyst: **ML**
Sodium Adsorption Ratio	**11**		**0.010**	**none**	1	6/13/2014
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep: SW3541 / 6/5/14	Analyst: **RM**
Acenaphthene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Acenaphthylene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Anthracene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Benzo(a)anthracene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Benzo(a)pyrene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Benzo(b)fluoranthene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Benzo(g,h,i)perylene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Benzo(k)fluoranthene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Chrysene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM

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

ALS Group USA, Corp

Date: *16-Jun-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Pit Tank Farm 6.4.14 **Work Order:** 1406251
Sample ID: South West Sample Point **Lab ID:** 1406251-02
Collection Date: 6/4/2014 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Fluoranthene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Fluorene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Indeno(1,2,3-cd)pyrene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Naphthalene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Pyrene	ND		7.8	µg/Kg-dry	1	6/6/2014 03:56 AM
Surr: 2-Fluorobiphenyl	*33.1*		*12-100*	*%REC*	1	6/6/2014 03:56 AM
Surr: 4-Terphenyl-d14	*56.3*		*25-137*	*%REC*	1	6/6/2014 03:56 AM
Surr: Nitrobenzene-d5	*30.0*	S	*37-107*	*%REC*	1	6/6/2014 03:56 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 6/5/14	Analyst: **AK**
Benzene	ND		36	µg/Kg-dry	1	6/5/2014 04:40 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	6/5/2014 04:40 PM
m,p-Xylene	ND		71	µg/Kg-dry	1	6/5/2014 04:40 PM
o-Xylene	ND		36	µg/Kg-dry	1	6/5/2014 04:40 PM
Toluene	ND		36	µg/Kg-dry	1	6/5/2014 04:40 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	6/5/2014 04:40 PM
Surr: 1,2-Dichloroethane-d4	*94.6*		*70-130*	*%REC*	1	6/5/2014 04:40 PM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	1	6/5/2014 04:40 PM
Surr: Dibromofluoromethane	*93.5*		*70-130*	*%REC*	1	6/5/2014 04:40 PM
Surr: Toluene-d8	*93.8*		*70-130*	*%REC*	1	6/5/2014 04:40 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 6/10/14	Analyst: **MELB**
Electrical Conductivity @ Saturation	**9.6**		**0.050**	**mmhos/cm @25**	10	6/10/2014 05:00 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **EE**
Chromium, Trivalent	**29**		**0.59**	**mg/Kg-dry**	1	6/9/2014 03:45 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 6/6/14	Analyst: **JI**
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	6/9/2014 12:00 PM
MOISTURE			**A2540 G**			Analyst: **TM**
Moisture	**16**		**0.050**	**% of sample**	1	6/5/2014 05:14 PM
PH			**SW9045D**		Prep: EXTRACT / 6/6/14	Analyst: **AT**
pH	**8.4**			**s.u.**	1	6/6/2014 11:30 AM

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

QC BATCH REPORT

Batch ID: **59349** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-59349-59349** Units: **mg/Kg** Analysis Date: **6/6/2014 02:39 AM**

Client ID: Run ID: **GC8_140605A** SeqNo: **2797192** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	*1.942*	0	*1.667*	0	*116*	*39-133*	0			

LCS Sample ID: **DLCSS1-59349-59349** Units: **mg/Kg** Analysis Date: **6/6/2014 03:09 AM**

Client ID: Run ID: **GC8_140605A** SeqNo: **2797193** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	154.3	4.2	166.7	0	92.6	61-109	0			
Surr: 4-Terphenyl-d14	*1.72*	0	*1.667*	0	*103*	*39-133*	0			

MS Sample ID: **1406147-23A MS** Units: **mg/Kg** Analysis Date: **6/6/2014 03:39 AM**

Client ID: Run ID: **GC8_140605A** SeqNo: **2797194** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	439.1	7.9	314.8	162.5	87.9	48-110	0			
Surr: 4-Terphenyl-d14	*3.045*	0	*3.148*	0	*96.7*	*39-133*	0			

MSD Sample ID: **1406147-23A MSD** Units: **mg/Kg** Analysis Date: **6/6/2014 04:09 AM**

Client ID: Run ID: **GC8_140605A** SeqNo: **2797195** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	438.3	8.1	322.5	162.5	85.5	48-110	439.1	0.18	30	
Surr: 4-Terphenyl-d14	*3.166*	0	*3.225*	0	*98.2*	*39-133*	3.045	*3.9*	*30*	

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59383** Instrument ID **GC10** Method: **SW8015**

MBLK Sample ID: **MBLK-59383-59383** Units: **µg/Kg** Analysis Date: **6/6/2014 07:07 AM**
Client ID: Run ID: **GC10_140605A** SeqNo: **2799573** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	*5494*	0	*5000*	0	*110*	*50-150*	0			

LCS Sample ID: **LCS-59383-59383** Units: **µg/Kg** Analysis Date: **6/6/2014 06:43 AM**
Client ID: Run ID: **GC10_140605A** SeqNo: **2799572** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	439600	2,500	500000	0	87.9	70-130	0			
Surr: Toluene-d8	*4773*	0	*5000*	0	*95.5*	*50-150*	0			

MS Sample ID: **1406251-02A MS** Units: **µg/Kg** Analysis Date: **6/6/2014 08:19 AM**
Client ID: **South West Sample Point** Run ID: **GC10_140605A** SeqNo: **2799576** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	410500	2,500	500000	0	82.1	70-130	0			
Surr: Toluene-d8	*4744*	0	*5000*	0	*94.9*	*50-150*	0			

MSD Sample ID: **1406251-02A MSD** Units: **µg/Kg** Analysis Date: **6/6/2014 08:43 AM**
Client ID: **South West Sample Point** Run ID: **GC10_140605A** SeqNo: **2799577** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	423700	2,500	500000	0	84.7	70-130	410500	3.17	30	
Surr: Toluene-d8	*4756*	0	*5000*	0	*95.1*	*50-150*	4744	*0.232*	*30*	

The following samples were analyzed in this batch: 1406251-01A 1406251-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59383a** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-59383-59383a** Units: **µg/Kg** Analysis Date: **6/6/2014 07:07 AM**
Client ID: Run ID: **GC9_140605A** SeqNo: **2797462** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	*5494*	0	*5000*	0	*110*	*50-150*	0			

LCS Sample ID: **LCS-59383-59383a** Units: **µg/Kg** Analysis Date: **6/6/2014 06:43 AM**
Client ID: Run ID: **GC9_140605A** SeqNo: **2797463** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	439600	2,500	500000	0	87.9	70-130	0			
Surr: Toluene-d8	*4773*	0	*5000*	0	*95.5*	*50-150*	0			

MS Sample ID: **1406251-02A MS** Units: **µg/Kg** Analysis Date: **6/6/2014 08:19 AM**
Client ID: **South West Sample Point** Run ID: **GC9_140605A** SeqNo: **2797466** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	410500	2,500	500000	0	82.1	70-130	0			
Surr: Toluene-d8	*4744*	0	*5000*	0	*94.9*	*50-150*	0			

MSD Sample ID: **1406251-02A MSD** Units: **µg/Kg** Analysis Date: **6/6/2014 08:43 AM**
Client ID: **South West Sample Point** Run ID: **GC9_140605A** SeqNo: **2797467** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	423700	2,500	500000	0	84.7	70-130	410500	3.17	30	
Surr: Toluene-d8	*4755*	0	*5000*	0	*95.1*	*50-150*	4744	*0.233*	*30*	

The following samples were analyzed in this batch: 1406251-01A 1406251-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59430** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-59430-59430** Units: **mg/Kg** Analysis Date: **6/6/2014 03:52 PM**
Client ID: Run ID: **HG1_140606A** SeqNo: **2800636** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-59430-59430** Units: **mg/Kg** Analysis Date: **6/6/2014 03:54 PM**
Client ID: Run ID: **HG1_140606A** SeqNo: **2800637** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1584	0.020	0.1665	0	95.1	80-120	0			

MS Sample ID: **1406251-02BMS** Units: **mg/Kg** Analysis Date: **6/6/2014 04:08 PM**
Client ID: **South West Sample Point** Run ID: **HG1_140606A** SeqNo: **2800643** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0957	0.013	0.1048	0.005192	86.3	75-125	0			

MSD Sample ID: **1406251-02BMSD** Units: **mg/Kg** Analysis Date: **6/6/2014 04:11 PM**
Client ID: **South West Sample Point** Run ID: **HG1_140606A** SeqNo: **2800644** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.111	0.013	0.1049	0.005192	101	75-125	0.0957	14.8	35	

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59388** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-59388-59388** Units: **mg/Kg** Analysis Date: **6/5/2014 10:51 PM**
Client ID: Run ID: **ICPMS1_140605A** SeqNo: **2796064** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	0.0121	0.25								J
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	0.0128	0.25								J
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	0.0416	0.50								J

LCS Sample ID: **LCS-59388-59388** Units: **mg/Kg** Analysis Date: **6/5/2014 10:58 PM**
Client ID: Run ID: **ICPMS1_140605A** SeqNo: **2796065** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	4.753	0.25	5	0	95.1	80-120	0			
Cadmium	4.295	0.10	5	0	85.9	80-120	0			
Chromium	4.794	0.25	5	0	95.9	80-120	0			
Copper	4.589	0.25	5	0	91.8	80-120	0			
Lead	4.698	0.25	5	0	94	80-120	0			
Nickel	4.736	0.25	5	0	94.7	80-120	0			
Silver	4.646	0.25	5	0	92.9	80-120	0			
Zinc	4.306	0.50	5	0	86.1	80-120	0			

LCS Sample ID: **LCS-59388-59388** Units: **mg/Kg** Analysis Date: **6/7/2014 12:37 PM**
Client ID: Run ID: **ICPMS1_140606A** SeqNo: **2797849** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.095	0.25	5	0	102	80-120	0			
Selenium	5.265	0.25	5	0	105	80-120	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59388** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1406251-01BMS** Units: **mg/Kg** Analysis Date: **6/6/2014 02:04 AM**
Client ID: **Northeast Sample Point** Run ID: **ICPMS1_140605A** SeqNo: **2796117** Prep Date: **6/5/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.64	1.8	7.052	3.616	99.6	75-125	0			
Barium	247	1.8	7.052	232.7	203	75-125	0			SO
Cadmium	7.109	0.71	7.052	0.1795	98.3	75-125	0			
Chromium	31.16	1.8	7.052	21.68	134	75-125	0			S
Copper	16.42	1.8	7.052	9.472	98.6	75-125	0			
Nickel	21.14	1.8	7.052	12.06	129	75-125	0			S
Selenium	9.937	1.8	7.052	3.282	94.4	75-125	0			
Silver	6.47	1.8	7.052	0.03479	91.3	75-125	0			
Zinc	49.75	3.5	7.052	38.87	154	75-125	0			SO

MS Sample ID: **1406251-01BMS** Units: **mg/Kg** Analysis Date: **6/6/2014 09:16 PM**
Client ID: **Northeast Sample Point** Run ID: **ICPMS1_140606A** SeqNo: **2797714** Prep Date: **6/5/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	18.79	1.8	7.052	10.47	118	75-125	0			

MSD Sample ID: **1406251-01BMSD** Units: **mg/Kg** Analysis Date: **6/6/2014 02:10 AM**
Client ID: **Northeast Sample Point** Run ID: **ICPMS1_140605A** SeqNo: **2796118** Prep Date: **6/5/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.67	1.8	7.062	3.616	114	75-125	10.64	9.28	25	
Barium	240.2	1.8	7.062	232.7	106	75-125	247	2.8	25	O
Cadmium	6.808	0.71	7.062	0.1795	93.9	75-125	7.109	4.32	25	
Chromium	27.04	1.8	7.062	21.68	75.9	75-125	31.16	14.2	25	
Copper	16.6	1.8	7.062	9.472	101	75-125	16.42	1.08	25	
Nickel	19.01	1.8	7.062	12.06	98.4	75-125	21.14	10.6	25	
Selenium	8.234	1.8	7.062	3.282	70.1	75-125	9.937	18.7	25	S
Silver	6.052	1.8	7.062	0.03479	85.2	75-125	6.47	6.68	25	
Zinc	46.47	3.5	7.062	38.87	108	75-125	49.75	6.83	25	O

MSD Sample ID: **1406251-01BMSD** Units: **mg/Kg** Analysis Date: **6/6/2014 09:22 PM**
Client ID: **Northeast Sample Point** Run ID: **ICPMS1_140606A** SeqNo: **2797715** Prep Date: **6/5/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	18.81	1.8	7.062	10.47	118	75-125	18.79	0.141	25	

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59403** Instrument ID **SAR** Method: **USDA H60 Method**

DUP Sample ID: **1406251-01CDUP** Units: **none** Analysis Date: **6/13/2014**
Client ID: **Northeast Sample Point** Run ID: **SAR_140613A** SeqNo: **2808691** Prep Date: **6/10/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	5.736	0.010	0	0	0		4.91	15.5	50	

The following samples were analyzed in this batch: 1406251-01C 1406251-02C

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59350** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-59350-59350** Units: **µg/Kg** Analysis Date: **6/5/2014 07:19 PM**
Client ID: Run ID: **SVMS6_140605A** SeqNo: **2797155** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Acenaphthylene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(g,h,i)perylene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
Surr: 2-Fluorobiphenyl	*1361*	0	*1667*	0	*81.7*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1792*	0	*1667*	0	*108*	*25-137*	0			
Surr: Nitrobenzene-d5	*1189*	0	*1667*	0	*71.3*	*37-107*	0			

LCS Sample ID: **SLCSS1-59350-59350** Units: **µg/Kg** Analysis Date: **6/5/2014 07:40 PM**
Client ID: Run ID: **SVMS6_140605A** SeqNo: **2797157** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	535	6.7	666.7	0	80.2	45-110	0			
Acenaphthylene	548.7	6.7	666.7	0	82.3	45-105	0			
Anthracene	620.3	6.7	666.7	0	93	55-105	0			
Benzo(a)anthracene	598	6.7	666.7	0	89.7	50-110	0			
Benzo(a)pyrene	609.3	6.7	666.7	0	91.4	50-110	0			
Benzo(b)fluoranthene	639	6.7	666.7	0	95.8	45-115	0			
Benzo(g,h,i)perylene	502.3	6.7	666.7	0	75.3	40-125	0			
Benzo(k)fluoranthene	635	6.7	666.7	0	95.2	45-115	0			
Chrysene	602.3	6.7	666.7	0	90.3	55-110	0			
Dibenzo(a,h)anthracene	527.3	6.7	666.7	0	79.1	40-125	0			
Fluoranthene	655	6.7	666.7	0	98.2	55-115	0			
Fluorene	562	6.7	666.7	0	84.3	50-110	0			
Indeno(1,2,3-cd)pyrene	512.7	6.7	666.7	0	76.9	40-120	0			
Naphthalene	509	6.7	666.7	0	76.3	40-105	0			
Pyrene	679	6.7	666.7	0	102	45-125	0			
Surr: 2-Fluorobiphenyl	*1252*	0	*1667*	0	*75.1*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1900*	0	*1667*	0	*114*	*25-137*	0			
Surr: Nitrobenzene-d5	*1163*	0	*1667*	0	*69.8*	*37-107*	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59350** Instrument ID **SVMS6** Method: **SW8270**

MS Sample ID: **1406114-01B MS** Units: **µg/Kg** Analysis Date: **6/5/2014 08:01 PM**

Client ID: Run ID: **SVMS6_140605A** SeqNo: **2797160** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1045	13	1290	0	81	45-110	0			
Acenaphthylene	1066	13	1290	0	82.6	45-105	0			
Anthracene	1212	13	1290	4.988	93.5	55-105	0			
Benzo(a)anthracene	1205	13	1290	35.58	90.6	50-110	0			
Benzo(a)pyrene	1230	13	1290	51.21	91.4	50-110	0			
Benzo(b)fluoranthene	1261	13	1290	51.21	93.8	45-115	0			
Benzo(g,h,i)perylene	1003	13	1290	33.59	75.1	40-125	0			
Benzo(k)fluoranthene	1235	13	1290	28.93	93.5	45-115	0			
Chrysene	1176	13	1290	23.61	89.3	55-110	0			
Dibenzo(a,h)anthracene	1046	13	1290	29.27	78.8	40-125	0			
Fluoranthene	1415	13	1290	51.21	106	55-115	0			
Fluorene	1123	13	1290	0	87	50-110	0			
Indeno(1,2,3-cd)pyrene	1076	13	1290	49.55	79.6	40-120	0			
Naphthalene	960.6	13	1290	0	74.4	40-105	0			
Pyrene	1249	13	1290	44.23	93.4	45-125	0			
Surr: 2-Fluorobiphenyl	*2366*	0	*3226*	0	*73.4*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3339*	0	*3226*	0	*104*	*25-137*	0			
Surr: Nitrobenzene-d5	*2201*	0	*3226*	0	*68.2*	*37-107*	0			

MSD Sample ID: **1406114-01B MSD** Units: **µg/Kg** Analysis Date: **6/5/2014 08:21 PM**

Client ID: Run ID: **SVMS6_140605A** SeqNo: **2797162** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1055	13	1301	0	81.1	45-110	1045	0.946	30	
Acenaphthylene	1078	13	1301	0	82.9	45-105	1066	1.12	30	
Anthracene	1224	13	1301	4.988	93.7	55-105	1212	1.04	30	
Benzo(a)anthracene	1261	13	1301	35.58	94.2	50-110	1205	4.55	30	
Benzo(a)pyrene	1269	13	1301	51.21	93.6	50-110	1230	3.1	30	
Benzo(b)fluoranthene	1326	13	1301	51.21	98	45-115	1261	5.03	30	
Benzo(g,h,i)perylene	1065	13	1301	33.59	79.3	40-125	1003	5.96	30	
Benzo(k)fluoranthene	1246	13	1301	28.93	93.5	45-115	1235	0.875	30	
Chrysene	1234	13	1301	23.61	93	55-110	1176	4.8	30	
Dibenzo(a,h)anthracene	1066	13	1301	29.27	79.7	40-125	1046	1.87	30	
Fluoranthene	1413	13	1301	51.21	105	55-115	1415	0.185	30	
Fluorene	1110	13	1301	0	85.3	50-110	1123	1.09	30	
Indeno(1,2,3-cd)pyrene	1109	13	1301	49.55	81.4	40-120	1076	3.02	30	
Naphthalene	986.7	13	1301	0	75.8	40-105	960.6	2.69	30	
Pyrene	1461	13	1301	44.23	109	45-125	1249	15.6	30	
Surr: 2-Fluorobiphenyl	*2462*	0	*3252*	0	*75.7*	*12-100*	2366	*3.96*	*40*	
Surr: 4-Terphenyl-d14	*3711*	0	*3252*	0	*114*	*25-137*	3339	*10.5*	*40*	
Surr: Nitrobenzene-d5	*2249*	0	*3252*	0	*69.1*	*37-107*	2201	*2.13*	*40*	

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59350** Instrument ID **SVMS6** Method: **SW8270**

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59379** Instrument ID **VMS9** Method: **SW8260B**

MBLK Sample ID: **MBLK-59379-59379** Units: **µg/Kg** Analysis Date: **6/5/2014 07:02 PM**
Client ID: Run ID: **VMS9_140605A** SeqNo: **2795648** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1028*	0	*1000*	0	*103*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*883*	0	*1000*	0	*88.3*	*70-130*	0			
Surr: Dibromofluoromethane	*977*	0	*1000*	0	*97.7*	*70-130*	0			
Surr: Toluene-d8	*926.5*	0	*1000*	0	*92.6*	*70-130*	0			

LCS Sample ID: **LCS-59379-59379** Units: **µg/Kg** Analysis Date: **6/5/2014 04:58 PM**
Client ID: Run ID: **VMS9_140605A** SeqNo: **2795647** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1023	30	1000	0	102	75-125	0			
Ethylbenzene	1002	30	1000	0	100	75-125	0			
m,p-Xylene	2024	60	2000	0	101	80-125	0			
o-Xylene	984	30	1000	0	98.4	75-125	0			
Toluene	1084	30	1000	0	108	70-125	0			
Xylenes, Total	3008	90	3000	0	100	75-125	0			
Surr: 1,2-Dichloroethane-d4	*968.5*	0	*1000*	0	*96.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*995*	0	*1000*	0	*99.5*	*70-130*	0			
Surr: Dibromofluoromethane	*936.5*	0	*1000*	0	*93.6*	*70-130*	0			
Surr: Toluene-d8	*1002*	0	*1000*	0	*100*	*70-130*	0			

MS Sample ID: **1406251-01A MS** Units: **µg/Kg** Analysis Date: **6/7/2014 11:57 AM**
Client ID: **Northeast Sample Point** Run ID: **VMS8_140606B** SeqNo: **2798693** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1036	30	1000	0	104	75-125	0			
Ethylbenzene	1050	30	1000	0	105	75-125	0			
m,p-Xylene	2210	60	2000	69.5	107	80-125	0			
o-Xylene	1039	30	1000	0	104	75-125	0			
Toluene	1065	30	1000	24.5	104	70-125	0			
Xylenes, Total	3250	90	3000	70	106	75-125	0			
Surr: 1,2-Dichloroethane-d4	*941.5*	0	*1000*	0	*94.2*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1015*	0	*1000*	0	*102*	*70-130*	0			
Surr: Dibromofluoromethane	*941.5*	0	*1000*	0	*94.2*	*70-130*	0			
Surr: Toluene-d8	*936.5*	0	*1000*	0	*93.6*	*70-130*	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59379** Instrument ID **VMS9** Method: **SW8260B**

MSD Sample ID: **1406251-01A MSD** Units: **µg/Kg** Analysis Date: **6/7/2014 12:21 PM**
Client ID: **Northeast Sample Point** Run ID: **VMS8_140606B** SeqNo: **2798695** Prep Date: **6/5/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1040	30	1000	0	104	75-125	1036	0.385	30	
Ethylbenzene	1048	30	1000	0	105	75-125	1050	0.143	30	
m,p-Xylene	2216	60	2000	69.5	107	80-125	2210	0.249	30	
o-Xylene	1025	30	1000	0	102	75-125	1039	1.36	30	
Toluene	1024	30	1000	24.5	100	70-125	1065	3.88	30	
Xylenes, Total	3241	90	3000	70	106	75-125	3250	0.262	30	
Surr: 1,2-Dichloroethane-d4	*934.5*	0	*1000*	0	*93.4*	*70-130*	941.5	*0.746*	*30*	
Surr: 4-Bromofluorobenzene	*995.5*	0	*1000*	0	*99.6*	*70-130*	1015	*1.94*	*30*	
Surr: Dibromofluoromethane	*961.5*	0	*1000*	0	*96.2*	*70-130*	941.5	*2.1*	*30*	
Surr: Toluene-d8	*924*	0	*1000*	0	*92.4*	*70-130*	936.5	*1.34*	*30*	

The following samples were analyzed in this batch: 1406251-01A 1406251-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59403** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP Sample ID: **1406251-01C DUP** Units: **mmhos/cm @25°C** Analysis Date: **6/10/2014 05:00 PM**
Client ID: **Northeast Sample Point** Run ID: **WETCHEM_140610L** SeqNo: **2802894** Prep Date: **6/10/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	8.24	0.050	0	0	0		5.34	42.7	50	

The following samples were analyzed in this batch: 1406251-01C 1406251-02C

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59427** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-59427-59427** Units: **mg/Kg** Analysis Date: **6/9/2014 12:00 PM**
Client ID: Run ID: **WETCHEM_140609G** SeqNo: **2800259** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.49								

LCS Sample ID: **LCS-59427-59427** Units: **mg/Kg** Analysis Date: **6/9/2014 12:00 PM**
Client ID: Run ID: **WETCHEM_140609G** SeqNo: **2800260** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.064	0.50	2	0	103	80-120	0			

MS Sample ID: **1406177-08CMS** Units: **mg/Kg** Analysis Date: **6/9/2014 12:00 PM**
Client ID: Run ID: **WETCHEM_140609G** SeqNo: **2800268** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.442	0.50	1.992	4.279	259	75-125	0			S

MS Sample ID: **1406177-08CMSI** Units: **mg/Kg** Analysis Date: **6/9/2014 12:00 PM**
Client ID: Run ID: **WETCHEM_140609G** SeqNo: **2800270** Prep Date: **6/6/2014** DF: **1000**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	6636	500	1686	4.279	393	75-125	0			S

MSD Sample ID: **1406177-08CMSD** Units: **mg/Kg** Analysis Date: **6/9/2014 12:00 PM**
Client ID: Run ID: **WETCHEM_140609G** SeqNo: **2800269** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.254	0.50	1.984	4.279	251	75-125	9.442	2.01	20	S

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **59433** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-59433-59433** Units: **s.u.** Analysis Date: **6/6/2014 11:30 AM**
Client ID: Run ID: **WETCHEM_140606H** SeqNo: **2797326** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.97	0	4	0	99.2	90-110	0			

DUP Sample ID: **1406251-01B DUP** Units: **s.u.** Analysis Date: **6/6/2014 11:30 AM**
Client ID: **Northeast Sample Point** Run ID: **WETCHEM_140606H** SeqNo: **2797328** Prep Date: **6/6/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.2	0	0	0	0	0-0	8.19	0.122	20	

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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

Client: HRL Compliance Solutions, Inc
Work Order: 1406251
Project: WPX Mautz Pit Tank Farm 6.4.14

QC BATCH REPORT

Batch ID: **R142133** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R142133** Units: **% of sample** Analysis Date: **6/5/2014 05:14 PM**
Client ID: Run ID: **MOIST_140605H** SeqNo: **2795785** 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-R142133** Units: **% of sample** Analysis Date: **6/5/2014 05:14 PM**
Client ID: Run ID: **MOIST_140605H** SeqNo: **2795783** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1406251-01B DUP** Units: **% of sample** Analysis Date: **6/5/2014 05:14 PM**
Client ID: **Northeast Sample Point** Run ID: **MOIST_140605H** SeqNo: **2795777** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	16.82	0.050	0	0	0	0-0	17.08	1.53	20	

DUP Sample ID: **1406251-02B DUP** Units: **% of sample** Analysis Date: **6/5/2014 05:14 PM**
Client ID: **South West Sample Point** Run ID: **MOIST_140605H** SeqNo: **2795780** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.72	0.050	0	0	0	0-0	15.71	0.0636	20	

The following samples were analyzed in this batch: 1406251-01B 1406251-02B

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 #	1406251				
SAMPLER	Reed Wold	DATE	6/4/14	PAGE	1 of 1
PROJECT NAME	WPX Mautz Pit Tank Farm	SITE ID	Mautz Ranch 717	TURNAROUND	24 HR
DISPOSAL	(By Lab) or Return to Client				
PROJECT No.		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	HRL Compliance	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	Parachute 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	BTEX/GRO	DRO/PAH/Metals	SAR/EC/pH
1	NorthEast Sample Point	SO	6/4/14	1:30	3	8		x	x	x
2	SouthWest Sample Point	SO	6/4/14	1:45	3	8		x	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: Please Send Hydrocarbon Prelim ASAP. Thanks.

2.8°C

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Reed Wold	3:45	6/4/14
RECEIVED BY	[signature]	[signature]	3:45	6-4-14
RELINQUISHED BY	[signature]	[signature]	3:45	6-4-14
RECEIVED BY	[signature]	Keith Wiffrench	6/5/14	0930
RELINQUISHED BY				
RECEIVED BY				

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **05-Jun-14 09:30**

Work Order: **1406251** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 05-Jun-14 (Date) Reviewed by: Ann Preston (eSignature) 06-Jun-14 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.8 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/5/2014 2:24:40 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

30-Apr-2014

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

Re: **WPX Mautz Ranch Recycling Pit Backgrounds 4.21.14** Work Order: **14041168**

Dear Mark,

ALS Environmental received 3 samples on 23-Apr-2014 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.

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 14.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN 532786

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

ALS Group USA, Corp

Date: 30-Apr-14

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21.14
Work Order: **14041168**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14041168-01	Mautz Ranch B-1	Soil		4/21/2014 13:00	4/23/2014 10:00	☐
14041168-02	Mautz Ranch B-2	Soil		4/21/2014 13:05	4/23/2014 10:00	☐
14041168-03	Mautz Ranch B-3	Soil		4/21/2014 13:10	4/23/2014 10:00	☐

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

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

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

ALS Group USA, Corp

Date: *30-Apr-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21.14 **Work Order:** 14041168
Sample ID: Mautz Ranch B-1 **Lab ID:** 14041168-01
Collection Date: 4/21/2014 01:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/29/14	Analyst: **ML**
Arsenic	**4.2**		**1.8**	**mg/Kg-dry**	5	4/30/2014 12:41 AM
SOLUBLE CATIONS FOR SAR			**SW6020A**		Prep: USDA Method 20B / 4/28/14	Analyst: **RH**
Calcium	**77**		**10**	**mg/L**	20	4/30/2014 07:00 AM
Magnesium	**6.1**		**4.0**	**mg/L**	20	4/30/2014 07:00 AM
Sodium	**10**		**4.0**	**mg/L**	20	4/30/2014 07:00 AM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 4/28/14	Analyst: **RH**
Sodium Adsorption Ratio	**0.30**		**0.010**	**none**	1	4/29/2014
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 4/28/14	Analyst: **JB**
Electrical Conductivity @ Saturation	**0.46**		**0.050**	**mmhos/cm @25**	10	4/29/2014 03:40 PM
MOISTURE			**A2540 G**			Analyst: **AT**
Moisture	**9.8**		**0.050**	**% of sample**	1	4/23/2014 04:12 PM
PH			**SW9045D**		Prep: EXTRACT / 4/24/14	Analyst: **AT**
pH	**8.1**			**s.u.**	1	4/24/2014 10:37 AM

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

ALS Group USA, Corp

Date: *30-Apr-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21.14 **Work Order:** 14041168
Sample ID: Mautz Ranch B-2 **Lab ID:** 14041168-02
Collection Date: 4/21/2014 01:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/29/14	Analyst: **ML**
Arsenic	**6.6**		**1.9**	**mg/Kg-dry**	5	4/30/2014 12:47 AM
MOISTURE			**A2540 G**			Analyst: **AT**
Moisture	**6.0**		**0.050**	**% of sample**	1	4/23/2014 04:12 PM

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

ALS Group USA, Corp

Date: *30-Apr-14*

Client: HRL Compliance Solutions, Inc
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21.14 **Work Order:** 14041168
Sample ID: Mautz Ranch B-3 **Lab ID:** 14041168-03
Collection Date: 4/21/2014 01:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B / 4/29/14	Analyst: **ML**
Arsenic	**5.8**		**2.2**	**mg/Kg-dry**	5	4/30/2014 12:53 AM
MOISTURE			**A2540 G**			Analyst: **AT**
Moisture	**13**		**0.050**	**% of sample**	1	4/23/2014 04:12 PM

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

QC BATCH REPORT

Batch ID: **57961** Instrument ID **ICPMS2** Method: **SW6020A**

DUP Sample ID: **14041168-01BDUP** Units: **mg/L** Analysis Date: **4/30/2014 07:06 AM**

Client ID: **Mautz Ranch B-1** Run ID: **ICPMS2_140429A** SeqNo: **2737519** Prep Date: **4/28/2014** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	75.62	10	0	0	0	0-0	77.06	1.89		
Magnesium	5.736	4.0	0	0	0	0-0	6.102	6.18		
Sodium	10.3	4.0	0	0	0	0-0	10.05	2.4		

DUP Sample ID: **14041168-01BDUP** Units: **none** Analysis Date: **4/29/2014**

Client ID: **Mautz Ranch B-1** Run ID: **SAR_140429B** SeqNo: **2737880** Prep Date: **4/28/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.3077	0.010	0	0	0		0.2966	3.68	50	

The following samples were analyzed in this batch: 14041168-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14041168
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21

QC BATCH REPORT

Batch ID: **58070** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-58070-58070** Units: **mg/Kg** Analysis Date: **4/29/2014 10:44 PM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737236** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								

LCS Sample ID: **LCS-58070-58070** Units: **mg/Kg** Analysis Date: **4/29/2014 10:50 PM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737237** Prep Date: **4/29/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.471	0.25	5	0	89.4	80-120	0			

MS Sample ID: **14041170-01BMS** Units: **mg/Kg** Analysis Date: **4/29/2014 11:31 PM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737245** Prep Date: **4/29/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.17	2.0	8.183	4.179	110	75-125	0			

MSD Sample ID: **14041170-01BMSD** Units: **mg/Kg** Analysis Date: **4/29/2014 11:37 PM**
Client ID: Run ID: **ICPMS1_140429A** SeqNo: **2737258** Prep Date: **4/29/2014** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.46	2.1	8.21	4.179	101	75-125	13.17	5.56	25	

The following samples were analyzed in this batch:

14041168-01A	14041168-02A	14041168-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14041168
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21

QC BATCH REPORT

Batch ID: **57924** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-57924-57924** Units: **s.u.** Analysis Date: **4/24/2014 10:37 AM**
Client ID: Run ID: **WETCHEM_140424B** SeqNo: **2728570** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.95	0	4	0	98.8	90-110	0			

DUP Sample ID: **14041143-01B DUP** Units: **s.u.** Analysis Date: **4/24/2014 10:37 AM**
Client ID: Run ID: **WETCHEM_140424B** SeqNo: **2728572** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.89	0	0	0	0	0-0	7.8	1.15	20	

DUP Sample ID: **14041145-05B DUP** Units: **s.u.** Analysis Date: **4/24/2014 10:37 AM**
Client ID: Run ID: **WETCHEM_140424B** SeqNo: **2728582** Prep Date: **4/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.93	0	0	0	0	0-0	7.86	0.887	20	

The following samples were analyzed in this batch: 14041168-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14041168
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21

QC BATCH REPORT

Batch ID: **57961** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP Sample ID: **14041168-01B DUP** Units: **mmhos/cm @25°C** Analysis Date: **4/29/2014 03:40 PM**

Client ID: **Mautz Ranch B-1** Run ID: **WETCHEM_140429M** SeqNo: **2736506** Prep Date: **4/28/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.423	0.050	0	0	0		0.465	9.46	50	

The following samples were analyzed in this batch: 14041168-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14041168
Project: WPX Mautz Ranch Recycling Pit Backgrounds 4.21

QC BATCH REPORT

Batch ID: **R139500** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R139500** Units: **% of sample** Analysis Date: **4/23/2014 04:12 PM**
Client ID: Run ID: **MOIST_140423B** SeqNo: **2728516** 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-R139500** Units: **% of sample** Analysis Date: **4/23/2014 04:12 PM**
Client ID: Run ID: **MOIST_140423B** SeqNo: **2728515** 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: **14041140-09A DUP** Units: **% of sample** Analysis Date: **4/23/2014 04:12 PM**
Client ID: Run ID: **MOIST_140423B** SeqNo: **2728501** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	22	0.050	0	0	0	0-0	22.37	1.67	20	

DUP Sample ID: **14041168-03A DUP** Units: **% of sample** Analysis Date: **4/23/2014 04:12 PM**
Client ID: **Mautz Ranch B-3** Run ID: **MOIST_140423B** SeqNo: **2728509** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.12	0.050	0	0	0	0-0	12.86	2	20	

The following samples were analyzed in this batch:

14041168-01A	14041168-02A	14041168-03A

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

ALS Laboratory Group

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

Chain-of-Custody

Form 202r6

WORKORDER #	14041168						
PROJECT NAME	WPX Mautz Ranch	SAMPLER	Reed Wold	DATE	4/22/14	PAGE	1 of 1
PROJECT No.	Recycling Pit Backgrounds	SITE ID	Mautz Ranch Recycling Pit	TURNAROUND	Standard	DISPOSAL	(By Lab) or Return to Client
		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	HRL Compliance	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	Arsenic	SAR/EC/pH
1	Mautz Ranch B-1	SO	4/21/14	1:00	2	8		x	x
2	Mautz Ranch B-2	↓	↓	1:05	1			x	
3	Mautz Ranch B-3	↓	↓	1:10	1			x	

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

For metals or anions, please detail analytes below.

Comments:

5.0°c

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Reed Wold	Reed Wold	4/22/14	2:15
RECEIVED BY	N.M	N. M	4-22	2:15
RELINQUISHED BY	[signature]	N.m	4-22-14	1600
RECEIVED BY	[signature]	Diane E Shea	4/23/14	1000
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **23-Apr-14 10:00**

Work Order: **14041168** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 23-Apr-14 (Date) Reviewed by: Ann Preston (eSignature) 24-Apr-14 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.0 c		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/23/2014 3:55:58 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

From: (616) 399-6070
Sample Receiving
ALS Laboratory Group
3352 128th Avenue

Holland, MI 49424

Origin ID: GRRA

FedEx Express

E

J141014020703

Ship Date: 22APR14
ActWgt: 74.0 LB
CAD: 2264949/INET3480

Dims: 14 X 20 X 15 IN

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

HOLLAND, MI 49424

BILL SENDER

Delivery Address Bar Code

Ref # 042214-3
Invoice #
PO # Parachute
Dept #

WED - 23 APR AA
STANDARD OVERNIGHT

TRK# 0201 7986 2571 6393

68 GRRA

49424
MI-US
GRR

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

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

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ~~CESQG~~

Manifest Document No. Load #1

2. Page 1 of

3. Generator's Name and Mailing Address
WPX Energy
1058 CR 215
~~Parachute, CO 81635~~

Ticket 273263

4. Generator's Phone ~~970~~) 683-2295

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name
Gonzo

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Dalbo Piceance Facility

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone 9702502372

11. WASTE DESCRIPTION	Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. E&P Waste impacted soil	1	TRK	21	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Waste meets 40 CFR 261.4 (b)(5)

Mautz Facility FOE

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Karolina Blaney ~~Karolina Blaney~~ | Signature: Karolina Blaney | Date: ~~06/04/14~~ Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lloyd G Lamson Jr | Signature: Lloyd G Lamson Jr | Date: 6 / 10 / 14 Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Terry Grinstead | Signature: Terry Grinstead | Date: 7 / 10 / 14 Month Day Year

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG

Manifest Document No. Load # 2

2. Page 1 of

3. Generator's Name and Mailing Address
WPX Energy
1058 CR 215
Parachute, CO 81635

Ticket 273265

4. Generator's Phone (970) 683-2295

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name
Gonzo

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Dalbo Piceance Facility

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone 9702502372

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. E&P Waste impacted soil	1	TRK	21	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Waste meets 40 CFR 261.4 (b)(5)

Mautz Facility FOE

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Karolina Blaney / Karolina Blaney

Signature: Karolina Blaney

Date: Month 06 Day 04 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lloyd G Lamson Jr

Signature: Lloyd G Lamson Jr

Date: Month 6 Day 10 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Terry Grinstead

Signature: Terry Grinstead

Date: Month 7 Day 10 Year 14

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ~~CESQG~~

Manifest Document No. Load #3

2. Page 1 of

3. Generator's Name and Mailing Address
WPX Energy
1058 CR 215
Parachute, CO 81635

Ticket #73266

4. Generator's Phone 970) 683-2295

5. Transporter 1 Company Name — 6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name: Gonzo — 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Dalbo Piceance Facility — 10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone 9702502372

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. E&P Waste impacted soil	1	TRK	21	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Waste meets 40 CFR 261.4 (b)(5)

Mautz Facility FOE

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Karolina Blaney ~~Karolina Blaney~~ — Signature: Karolina Blaney — Date: ~~06/04/14~~

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lloyd G Lomson Jr — Signature: Lloyd G Lomson Jr — Date: Month 6 Day 10 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: ~~Terry~~ Grinstead — Signature — Date: Month 7 Day 10 Year 14

NON-HAZARDOUS WASTE — GENERATOR — TRANSPORTER — FACILITY