

Page 1
FORM
4
Rev 12/05State 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
9/19/2011

1. OGCC Operator Number: 6720	4. Contact Name: Habib Guerrero	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Robert L. Bayless LCC	Phone: 505-564-7810	
3. Address: PO BOX 168	Fax: 505-325-6911	
City: Farmington State: NM Zip: 87499		
5. API Number: 15-103-10580	OGCC Facility ID Number: 419282	Survey Plat
6. Well/Facility Name: Weaver Ridge 13-9	7. Well/Facility Number: Weaver Ridge 13-9	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): NESE, Sec 13, T1S, R104W, 6th PM		Surface Equip Diagram
9. County: Rio Blanco	10. Field Name: Weaver Ridge	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice LOCATION ID # 398807

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FHL/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/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	
Formation	Formation Code
Spacing order number	Unit Acreage
Unit configuration	
<input type="checkbox"/> Remove from surface bond	
Signed surface use agreement attached	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	
Effective Date:	
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	
<input type="checkbox"/> CHANGE WELL NAME	
From:	NUMBER
To:	
Effective Date:	
<input type="checkbox"/> ABANDONED LOCATION:	
Was location ever built?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is site ready for inspection?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	
<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS	
Date well shut in or temporarily abandoned:	
Has Production Equipment been removed from site?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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	
*submit cbl and cement job summaries	
Method used	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"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Drilling Pit Closure	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:

Date:

09/19/11

Email: hguerrero@rlbayless.com

Print Name:

Habib Guerrero

Title:

Operations Engineer

COGCC Approved:

Title:

FOR Chris Camfield

Date: 10/03/2011

CONDITIONS OF APPROVAL IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- | | |
|---|----------------------------|
| 1. OGCC Operator Number: 6720 | API Number: 05-103-10580 |
| 2. Name of Operator: Robert L. Bayless LCC | OGCC Facility ID # 419282 |
| 3. Well/Facility Name: Weaver Ridge 13-9 | Well/Facility Number: 13-9 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE, Sec 13, T1S, R104W, 6th PM | |

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**

This COGCC Form 4 is being submitted as a request to consider the background concentration levels for arsenic at the Weaver Ridge 13-9 well pad relative to drilling pit closure at the subject facility in accordance with footnote 1 to the COGCC Table 9101-1.

The request is based on the analytical results below (see attached analytical)

Eight (8) grab samples were collected from locations within the pit footprint at depths of approximately 15' to 15.6' below pad grade to ascertain the arsenic concentrations of the facility

Eastern Half - North Wall - 4.1 mg/kg
Eastern Half - South Wall - 4.1 mg/kg
Eastern Half - East Wall - 8.8 mg/kg
Eastern Half - Pit Bottom - 9.2 mg/kg
Western Half - North Wall - 19.0 mg/kg
Western Half - South Wall - 8.9 mg/kg
Western Half - West Wall - 4.2 mg/kg
Western Half - Pit Bottom - 1.8 mg/kg

Average Concentration: 7.51 mg/kg

Three (3) grab samples used on an immediate adjacent location with the same soil types were used for the background analytical results. Samples were collected from a non-impacted, native soil from surface to 6" below to establish the background arsenic concentrations.

BKGD 1 - 7.29 mg/kg
BKGD 2 - 8.81 mg/kg
BKGD 3 - 7.82 mg/kg

Average Concentration: 7.97 mg/kg

Robert L. Bayless is requesting this approval in order to proceed with closure and reclamation of the drilling pit on the Weaver Ridge 13-9 well pad.

Attached is a closure report providing a detailed description on closure procedures, raw analytical data, visual representation, and pit liner disposal manifest.

Form 4 Attachment

Introduction

The purpose of this Notice of Completion report – for the closure of the Weaver Ridge 13-9 drilling pit (COGCC API number 05-103-10580; hereinafter also referred to as Weaver Ridge 13-9) – is to provide detailed information and findings analysis for the Form 15 permitted pit (Facility ID# 419282), submitted on September 9, 2010.

Information included in this report includes but is not limited to, field screening results, laboratory analytical, subliner soil remediation, soil disposal, liner recycling, and complete backfilling of the drillings pit.

Pit Liner Investigation and Integrity Assessment:

The integrity of the pit liner system – containing one layer of liner and one layer of felt laying across the pit bottom revealed a tear along the south pit wall where erosion of the cut bank caused the liner to tear approximately 4 feet below the high water marks present on the primary pit liner.

Drill cuttings present within the pit bottom were transferred into the west half of the pit and a dirt berm was placed in the center of the pit, dividing the pit into two sections (See Figure 3). Once all cuttings were transferred, the liner on the bottom of the eastern half of the pit revealed two small holes, approximately 3"x 4". The western bottom half was addressed during the amendment and removal of the cuttings. Pit liner investigation of the pit liner is discussed in the cuttings amendment section of this report.

Pit Liner Removal and Eastern Subliner Soil Investigation

The pit liner was cut along the center of the pit, parallel to the soil berm put in place, and removed in sections as to keep cuttings present in the western half above a fully functional lining system. A trackhoe was utilized to grab sections of the liner and pull them out, placing them in an earthen bermed containment cell for disposal. Trace amounts of pit sludge was present throughout the pit liner and was all captured in the lining material as they were removed. The liners that contained trace amounts of sludge were placed on the well pad and allowed to dry before being placed within the liner containment cell.

- Liners placed in a lined bermed containment pending recycling (see Appendix 5 for related recycling transport manifest).

While removing the primary liner, it was discovered that a protective layer of felt underlayment was present only along the bottom of the pit. The presence and use of felt underlayment identifies that preventative and precautionary measures were taken during the construction of the pit liner system in order to preserve the pit bottom integrity and the overall containment system. To reiterate, the pit liner system consisted of the following profile: primary liner and a geotextile (felt liner).

Dark staining located along the eastern wall and bottom indicated that drill cuttings had impacted soils below the pit lining system. Confirmation samples collected from the eastern half of the pit bottom south wall, north wall, and east wall, confirmed that the impacted soils are below COGCC Table 910-1 criteria and required no additional remediation. Table 2 provides analytical results for the confirmation samples of the eastern pit half.

Amendment of Cuttings and Western Subliner Soil Investigation

Cuttings present in the western half of the pit were amended with clean soil stockpiled on location during the initial construction of the pit. The cuttings were amended at a ratio of 5 to 1 and sampled for constituents outlined in COGCC Table 910-1. Confirmation samples were collected in 5 foot lifts as cuttings were being amended to ensure that cuttings being utilized as backfill meet COGCC Table 910-1. (Table 3 provide analytical results for the amended cuttings)

After analytical results confirmed that the amended cuttings satisfied COGCC Table 910-1 criteria, they were transferred into the eastern half of the pit, the pit liner present in the western half was inspected and revealed no rips or tears. The same practice used for the removal of the liner in the eastern half was used on the western half of the pit. Soils below the liner contained two dark stains near the center of the pit on the southern end where the liner failed due to erosion of the south wall and another dark stain present in the center of the pit, which is also the lowest point of the entire pit.

Subliner soils, examined below the pit lining, were field screened using a Petroflag® Hydrocarbon Unit (PetroFlag®) to identify areas which may exceed standards set forth in Table 910-1 of the COGCC 900-series Rule for hydrocarbons within the soil. Field screening results of the pit are outlined in Table 1. Confirmation samples were collected from the western half of the pit on the pit bottom, north wall, south wall, and western wall. Table 4 provides analytical results for the confirmation samples collected from the western half of the pit.

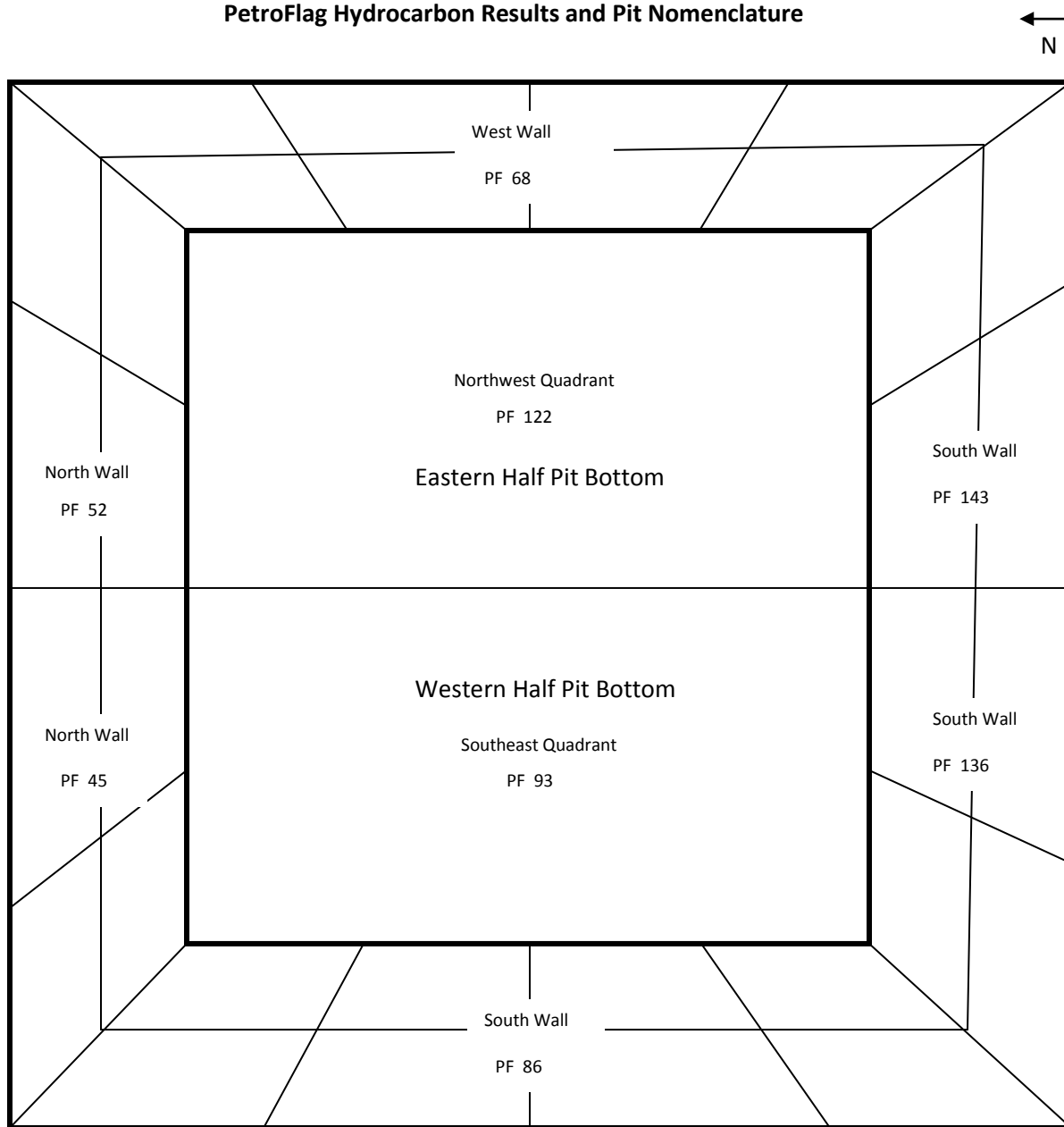
Figure 1 outlines the nomenclature and the PetroFlag results corresponding to the pit location taken from each quarter section of the pit bottom and walls. Figure 2 is a GIS map outlines sample locations in relation to pit layout.

Background Sampling

Three samples were collected from the up-gradient undisturbed hillsides surrounding the pad. All background samples were analyzed for arsenic as well as additional analysis at one location which included inorganic parameters of COGCC Table 910-1(i.e. SAR, EC, pH). Refer to Table 5 and Appendix 4 for background sampling results.

Figure 1

PetroFlag Hydrocarbon Results and Pit Nomenclature



*Results are in ppm (mg/kg)

Facility Name: Weaver Ridge 13-9
Facility # 419282

Name of Operator: Robert L. Bayless Producer LLC
Latitude: 39.959660 Longitude -109.010880
Location (QtrQty, Sec, Twp, Rng, Meridian): NESE, Sec 13, T1S, R104W, 6th PM

COGCC Operator # 6720
County: Rio Blanco

Figure 2

GIS Map of Pit Sample Locations

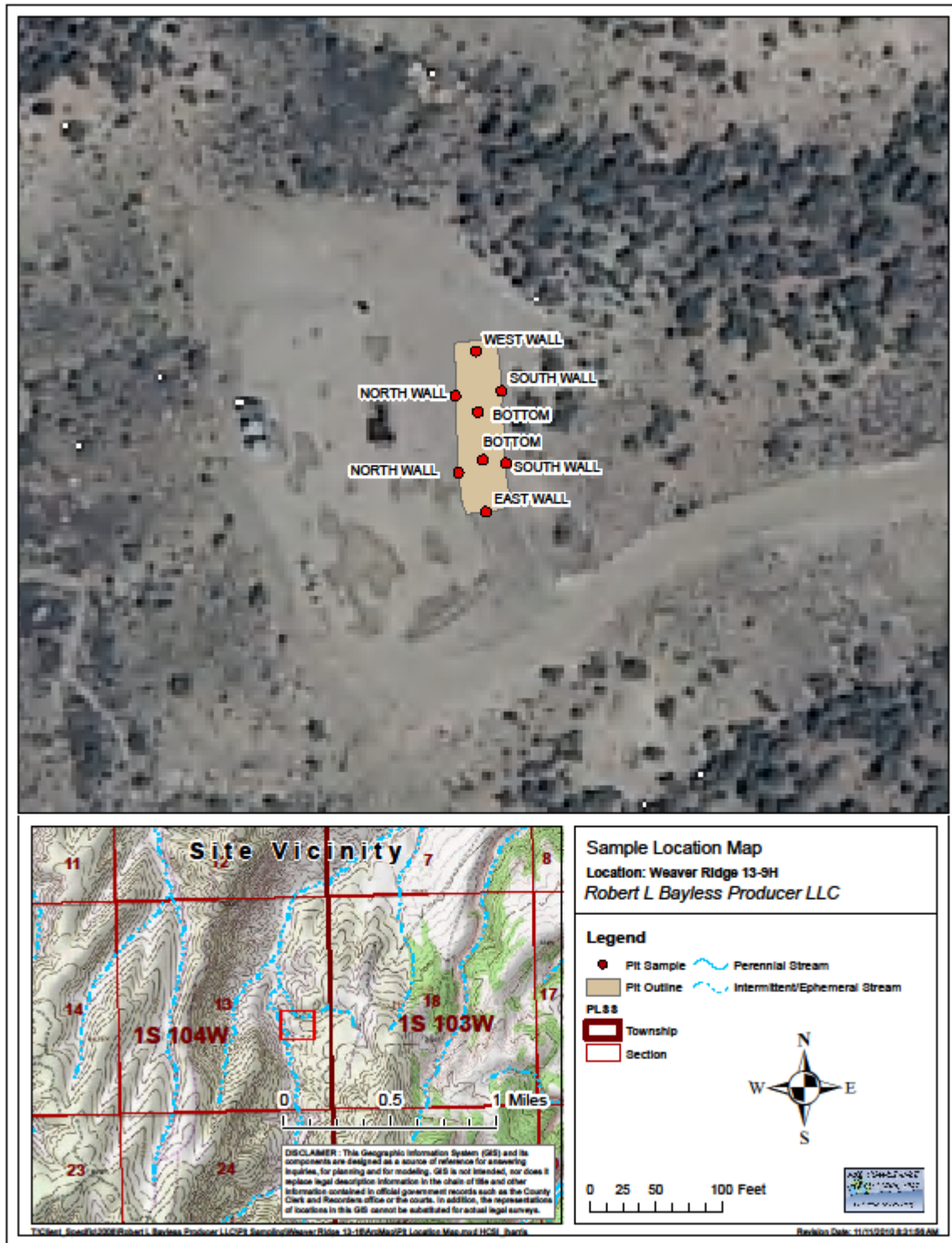


Table 1

PetroFlag Field Screening Results

	0-6"
Eastern Half – North Wall	52
Eastern Half – East Wall	68
Eastern Half – South Wall	143
Eastern Half – Pit Bottom	122
Western Half – North Wall	45
Western Half – West Wall	86
Western Half – South Wall	136
Western Half – Pit Bottom	93

All results are in ppm (mg/kg)

Table 1 shows PetroFlag results for the specific location screened with the corresponding depths for the extent of contamination. Hydrocarbon concentrations would be displayed from laboratory analysis when results are received.

- Confirmation sample(s), Rule 905.b.(4), were collected from each of the side walls half way down the side and half way between the two adjacent side walls for confirmation of compliance within COGCC Rule 910 and Table 910-1; verification of field screening analysis. Grab samples were collected from the base of the pit as well to demonstrate compliance in accordance with Rule 905.b.(1).
- A Trimble Geo XT 2008 was used to collect GPS locations of each field screen location as well as confirmation sample locations from the pit walls, and pit footprint.

Remediation Activities

Analytical results indicated that soils within the pit bottom and wall are below COGCC Table 910-1 criteria require no remediation.

Sample Analysis

See attached Table 1 for field screening results of the pit walls and bottom. Table 2 outlines the confirmation samples collected from the eastern half of the pit walls and bottom (Additional detail included in Appendix 1). Table 3 provides analytical results for confirmation analysis of the amended cuttings collected in 5 foot intervals (Additional detail included in Appendix 2). Table 4 contains analytical results for the confirmation sampling of the western half of the pit walls and bottom (Additional detail included in Appendix 3).

Management of Stockpiled Material

The pit liner was placed in a bermed containment cell and profiled for disposal to ECDC Environmental LC. See Appendix 5 for a copy of the liner disposal manifest.

Backfill Material

Soil stockpiled on location was used to amend the cuttings present within the pit to meet COGCC Table 910-1 standards and were utilized as fill during backfilling of the pit.

- The soil was placed in five (5) foot lifts and was not compacted beyond the point of making an impenetrable layer but sufficient to support subsequent operations and prevent subsidence.
- The pit was reclaimed in accordance with the COGCC 1000 Series Rule in addition to all SUA/COA's per the land owner.

Exceptions to COGCC Table 910-1

The only exceedances with COGCC Table 910-1 are within the inorganics and arsenic sampling. Refer to the technical page of this Sundry Notice for consideration of background inorganic and arsenic concentrations in the immediate area of the subject facility. Please refer to Appendix 1, 3, and 4 for analytical results pertaining to arsenic and inorganic concentrations.

Analytical Data Management

See Appendix 1 for the eastern pit confirmation raw analytical data. Appendix 2 contains raw analytical data for the amended cuttings. See Appendix 3 for the western pit confirmation raw analytical data and Appendix 4 contains the background raw analytical.

Figures

Figure 3

Pit Segregation Photograph



Visual representation of the soil berm placed between the east and west half of the pit

Figure 4

Photograph of the Amended Cuttings



Visual representation of the amended cuttings on the western half of the pit, prior to being transferred to the eastern half.

Tables

Table 2: Eastern Pit Half Confirmation Sample Results

Eastern Half of Pit	North Wall	East Wall	South Wall	Pit Bottom
TEPH (DRO)	23	42	35	14
TVPH (GRO)	ND	ND	ND	ND
BENZENE	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND
XYLENE TOTAL	ND	ND	ND	ND
ACENAPHTHENE	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND
BENZO(A)ANTHRACENE	ND	ND	ND	ND
BENZO(A)PYRENE	ND	ND	ND	ND
BENZO(B)FLUORANTHENE	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	ND	ND	ND	ND
BENZO(K)FLUORANTHENE	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND
DIBENZO(A,H)ANTHRACENE	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND
ARSENIC	4.1	8.8	4.1	9.2
BARIUM	79	100	120	76
CADMIUM	0.45	0.38	0.57	0.48
CHROMIUM	10	8.4	10	11
CHROMIUM (III)	11	8.4	10	10
CHROMIUM (IV)	ND	ND	ND	1
COPPER	25	20	23	26
LEAD	17	14	15	19
NICKEL	21	16	20	20
SELENIUM	1.6	1.2	1.3	1.2
SILVER	ND	ND	ND	ND
ZINC	67	59	63	72
Sodium Absorbion Ratio (unitless)	25.3	29.1	5.4	20.7
Electric Conductivity (mmho/cm)	8.6	3.59	18.51	4.53
pH (unitless)	7.85	8.09	7.62	8.21

Exceedances are highlighted in yellow.

Note: all results are in, mg/kg = milligram per kilogram, unless noted otherwise

Table 3: Amended Cuttings Confirmation Sampling Results

Amended Cuttings	0-5 ft	5-10ft	10-15 ft
TEPH (DRO)	130	91	120
TVPH (GRO)	ND	ND	ND
BENZENE	ND	ND	ND
TOLUENE	ND	ND	ND
ETHYLBENZENE	ND	ND	ND
XYLENE TOTAL	ND	ND	ND
ACENAPHTHENE	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND
ANTHRACENE	ND	ND	ND
BENZO(A)ANTHRACENE	ND	ND	ND
BENZO(A)PYRENE	ND	ND	ND
BENZO(B)FLUORANTHENE	ND	ND	ND
BENZO(G,H,I)PERYLENE	ND	ND	ND
BENZO(K)FLUORANTHENE	ND	ND	ND
CHRYSENE	ND	ND	ND
DIBENZO(A,H)ANTHRACENE	ND	ND	ND
FLUORANTHENE	ND	ND	ND
FLUORENE	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	ND	ND	ND
NAPHTHALENE	ND	ND	ND
PYRENE	ND	ND	ND
ARSENIC	6.0	6.3	8.5
BARIUM	140	130	140
CADMIUM	0.45	0.45	0.43
CHROMIUM	11	11	11
CHROMIUM (III)	11	11	11
CHROMIUM (IV)	ND	ND	ND
COPPER	24	24	25
LEAD	15	15	17
NICKEL	19	19	18
SELENIUM	1.6	1.5	1.3
SILVER	ND	ND	ND
ZINC	66	65	65
Sodium Absorbion Ratio (unitless)	24.6	31.9	23.1
Electric Conductivity (mmho/cm)	6.63	8.96	8.03
pH (unitless)	8.47	8.55	8.62

Note: all results are in, mg/kg = milligram per kilogram, unless noted otherwise

Table 4: Western Pit Half Confirmation Analytical Results

Western Half of Pit	North Wall	West Wall	South Wall	Pit Bottom
TEPH (DRO)	7	240	40	16
TVPH (GRO)	ND	ND	ND	ND
BENZENE	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND
XYLENE TOTAL	ND	ND	ND	ND
ACENAPHTHENE	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND
BENZO(A)ANTHRACENE	ND	ND	ND	ND
BENZO(A)PYRENE	ND	ND	ND	ND
BENZO(B)FLUORANTHENE	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	ND	ND	ND	ND
BENZO(K)FLUORANTHENE	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND
DIBENZO(A,H)ANTHRACENE	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND
ARSENIC	19	4.2	8.9	1.8
BARIUM	100	160	120	180
CADMIUM	0.49	0.44	0.39	0.59
CHROMIUM	12	13	11	12
CHROMIUM (III)	12	13	11	12
CHROMIUM (IV)	ND	ND	ND	ND
COPPER	25	25	21	21
LEAD	21	16	14	16
NICKEL	20	19	16	21
SELENIUM	1.1	1.2	0.98	1
SILVER	ND	ND	ND	ND
ZINC	72	67	61	72
Sodium Absorbance Ratio (unitless)	30.9	35.1	34.1	19.9
Electric Conductivity (mmho/cm)	17.85	12.36	10.57	4.86
pH (unitless)	8.58	8.24	8.66	8.94

Note: all results are in, mg/kg = milligram per kilogram, unless noted otherwise

Table 5: Background Analytical Results

	Arsenic	Conductivity (mmhos/cm)	pH (unitless)	Calcium	Magnesium	Sodium	Sodium Adsorption Ratio (unitless)
BKGD 1	7.29	0.54	7.9	2.06	0.79	0.04	0.10
BKGD 2	8.81						
BKGD 3	7.82						

Note: all results are in, mg/kg = milligram per kilogram, unless noted otherwise

Appendix 1: Eastern Half Pit Confirmation Samples Raw Analytical Data



30-Jun-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Bayless Weaver Ridge 13-9H Pit-East Half 10-475**

Work Order: **1106713**

Dear Kris,

ALS Environmental received 4 samples on 25-Jun-2011 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 33.

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: IL100452

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

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475
Work Order: 1106713

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>
1106713-01	Pit Bottom	Soil		6/23/2011 12:00	6/25/2011 10:30	<input type="checkbox"/>
1106713-02	East Wall	Soil		6/23/2011 13:15	6/25/2011 10:30	<input type="checkbox"/>
1106713-03	South Wall	Soil		6/23/2011 13:25	6/25/2011 10:30	<input type="checkbox"/>
1106713-04	North Wall	Soil		6/23/2011 13:30	6/25/2011 10:30	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475
Work Order: 1106713

Case Narrative

Batch 34077 MS/MSD data for Metals is not related to this project's samples.

Batch 34085 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

Client: HRL Compliance Solutions
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475
WorkOrder: 1106713

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
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
s.u.	Standard Units

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: Pit Bottom

Lab ID: 1106713-01

Collection Date: 6/23/2011 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	14		SW8015M		Prep Date: 6/27/2011	Analyst: RM
			5.0	mg/Kg-dry	1	6/28/2011 02:09 AM
Surr: 4-Terphenyl-d14	82.6		39-115	%REC	1	6/28/2011 02:09 AM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			6.2	mg/Kg-dry	100	6/27/2011 09:30 PM
Surr: Toluene-d8	103		50-150	%REC	100	6/27/2011 09:30 PM
MERCURY BY CVAA						
Mercury	0.056		SW7471		Prep Date: 6/28/2011	Analyst: LR
			0.023	mg/Kg-dry	1	6/29/2011 01:33 PM
METALS BY ICP-MS						
Arsenic	9.2		SW6020A		Prep Date: 6/28/2011	Analyst: CES
			0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Barium	76		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Cadmium	0.48		0.38	mg/Kg-dry	2	6/29/2011 08:29 PM
Chromium	11		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Copper	26		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Lead	19		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Nickel	20		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Selenium	1.2		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Silver	ND		0.95	mg/Kg-dry	2	6/29/2011 08:29 PM
Zinc	72		1.9	mg/Kg-dry	2	6/29/2011 08:29 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses		Rcvd 6/30/11	SUBCONTRACT			Analyst: A&LGL
			attached		1	6/30/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 6/27/2011	Analyst: CW
			36	µg/Kg-dry	1	6/27/2011 09:59 PM
Anthracene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Benzo(a)anthracene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Benzo(a)pyrene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Benzo(b)fluoranthene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Benzo(g,h,i)perylene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Benzo(k)fluoranthene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Chrysene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Dibenzo(a,h)anthracene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Fluoranthene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Fluorene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Indeno(1,2,3-cd)pyrene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Naphthalene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Pyrene	ND		36	µg/Kg-dry	1	6/27/2011 09:59 PM
Surr: 2,4,6-Tribromophenol	68.2		34-140	%REC	1	6/27/2011 09:59 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: Pit Bottom

Lab ID: 1106713-01

Collection Date: 6/23/2011 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	58.9		12-100	%REC	1	6/27/2011 09:59 PM
<i>Surr: 2-Fluorophenol</i>	69.1		33-117	%REC	1	6/27/2011 09:59 PM
<i>Surr: 4-Terphenyl-d14</i>	80.4		25-137	%REC	1	6/27/2011 09:59 PM
<i>Surr: Nitrobenzene-d5</i>	70.5		37-107	%REC	1	6/27/2011 09:59 PM
<i>Surr: Phenol-d6</i>	60.8		40-106	%REC	1	6/27/2011 09:59 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	ND		120	µg/Kg-dry	100	6/27/2011 02:53 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	6/27/2011 02:53 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	6/27/2011 02:53 PM
o-Xylene	ND		120	µg/Kg-dry	100	6/27/2011 02:53 PM
Toluene	ND		120	µg/Kg-dry	100	6/27/2011 02:53 PM
Xylenes, Total	ND		370	µg/Kg-dry	100	6/27/2011 02:53 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.5		70-120	%REC	100	6/27/2011 02:53 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.2		75-120	%REC	100	6/27/2011 02:53 PM
<i>Surr: Dibromofluoromethane</i>	93.4		85-115	%REC	100	6/27/2011 02:53 PM
<i>Surr: Toluene-d8</i>	97.4		85-115	%REC	100	6/27/2011 02:53 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: EE
Chromium, Trivalent	10			mg/L-dry	1	6/30/2011 03:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 6/28/2011	Analyst: MB
Chromium, Hexavalent	1.0		0.62	mg/Kg-dry	1	6/28/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	20		0.050	% of sample	1	6/27/2011 03:44 PM
PH			SW9045D			Analyst: CV
pH	8.21			s.u.	1	6/27/2011 01:45 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: East Wall

Lab ID: 1106713-02

Collection Date: 6/23/2011 01:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	42		SW8015M		Prep Date: 6/27/2011	Analyst: RM
			4.3	mg/Kg-dry	1	6/28/2011 02:34 AM
Surr: 4-Terphenyl-d14	91.2		39-115	%REC	1	6/28/2011 02:34 AM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.2	mg/Kg-dry	100	6/27/2011 09:56 PM
Surr: Toluene-d8	105		50-150	%REC	100	6/27/2011 09:56 PM
MERCURY BY CVAA						
Mercury	0.028		SW7471		Prep Date: 6/28/2011	Analyst: LR
			0.020	mg/Kg-dry	1	6/29/2011 01:36 PM
METALS BY ICP-MS						
Arsenic	8.8		SW6020A		Prep Date: 6/28/2011	Analyst: CES
			0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Barium	100		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Cadmium	0.38		0.34	mg/Kg-dry	2	6/29/2011 08:35 PM
Chromium	8.4		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Copper	20		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Lead	14		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Nickel	16		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Selenium	1.2		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Silver	ND		0.84	mg/Kg-dry	2	6/29/2011 08:35 PM
Zinc	59		1.7	mg/Kg-dry	2	6/29/2011 08:35 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses		Rcvd 6/30/11	SUBCONTRACT			Analyst: A&LGL
			attached		1	6/30/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 6/27/2011	Analyst: CW
			31	µg/Kg-dry	1	6/27/2011 10:35 PM
Anthracene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Benzo(a)anthracene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Benzo(a)pyrene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Benzo(b)fluoranthene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Benzo(g,h,i)perylene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Benzo(k)fluoranthene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Chrysene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Dibenzo(a,h)anthracene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Fluoranthene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Fluorene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Indeno(1,2,3-cd)pyrene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Naphthalene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Pyrene	ND		31	µg/Kg-dry	1	6/27/2011 10:35 PM
Surr: 2,4,6-Tribromophenol	63.4		34-140	%REC	1	6/27/2011 10:35 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: East Wall

Lab ID: 1106713-02

Collection Date: 6/23/2011 01:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	61.1		12-100	%REC	1	6/27/2011 10:35 PM
<i>Surr: 2-Fluorophenol</i>	67.2		33-117	%REC	1	6/27/2011 10:35 PM
<i>Surr: 4-Terphenyl-d14</i>	82.3		25-137	%REC	1	6/27/2011 10:35 PM
<i>Surr: Nitrobenzene-d5</i>	69.2		37-107	%REC	1	6/27/2011 10:35 PM
<i>Surr: Phenol-d6</i>	59.3		40-106	%REC	1	6/27/2011 10:35 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	ND		100	µg/Kg-dry	100	6/27/2011 03:17 PM
Ethylbenzene	ND		100	µg/Kg-dry	100	6/27/2011 03:17 PM
m,p-Xylene	ND		100	µg/Kg-dry	100	6/27/2011 03:17 PM
o-Xylene	ND		100	µg/Kg-dry	100	6/27/2011 03:17 PM
Toluene	ND		100	µg/Kg-dry	100	6/27/2011 03:17 PM
Xylenes, Total	ND		310	µg/Kg-dry	100	6/27/2011 03:17 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.7		70-120	%REC	100	6/27/2011 03:17 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.6		75-120	%REC	100	6/27/2011 03:17 PM
<i>Surr: Dibromofluoromethane</i>	92.6		85-115	%REC	100	6/27/2011 03:17 PM
<i>Surr: Toluene-d8</i>	98.9		85-115	%REC	100	6/27/2011 03:17 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: EE
Chromium, Trivalent	8.4			mg/L-dry	1	6/30/2011 03:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 6/28/2011	Analyst: MB
Chromium, Hexavalent	ND		0.50	mg/Kg-dry	1	6/28/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	3.9		0.050	% of sample	1	6/27/2011 04:00 PM
PH			SW9045D			Analyst: CV
pH	8.09			s.u.	1	6/27/2011 01:45 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: South Wall

Lab ID: 1106713-03

Collection Date: 6/23/2011 01:25 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	35		SW8015M		Prep Date: 6/27/2011	Analyst: RM
			4.4	mg/Kg-dry	1	6/28/2011 02:34 AM
<i>Surr: 4-Terphenyl-d14</i>	<i>85.3</i>		<i>39-115</i>	<i>%REC</i>	<i>1</i>	6/28/2011 02:34 AM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.4	mg/Kg-dry	100	6/27/2011 10:22 PM
<i>Surr: Toluene-d8</i>	<i>102</i>		<i>50-150</i>	<i>%REC</i>	<i>100</i>	6/27/2011 10:22 PM
MERCURY BY CVAA						
Mercury	0.036		SW7471		Prep Date: 6/28/2011	Analyst: LR
			0.021	mg/Kg-dry	1	6/29/2011 01:38 PM
METALS BY ICP-MS						
Arsenic	4.1		SW6020A		Prep Date: 6/28/2011	Analyst: CES
			0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Barium	120		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Cadmium	0.57		0.34	mg/Kg-dry	2	6/29/2011 08:41 PM
Chromium	10		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Copper	23		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Lead	15		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Nickel	20		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Selenium	1.3		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Silver	ND		0.86	mg/Kg-dry	2	6/29/2011 08:41 PM
Zinc	63		1.7	mg/Kg-dry	2	6/29/2011 08:41 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses		Rcvd 6/30/11	SUBCONTRACT			Analyst: A&LGL
			attached		1	6/30/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 6/27/2011	Analyst: CW
			32	µg/Kg-dry	1	6/27/2011 11:13 PM
Anthracene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Benzo(a)anthracene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Benzo(a)pyrene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Benzo(b)fluoranthene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Benzo(k)fluoranthene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Chrysene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Dibenzo(a,h)anthracene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Fluoranthene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Fluorene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Indeno(1,2,3-cd)pyrene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Naphthalene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
Pyrene	ND		32	µg/Kg-dry	1	6/27/2011 11:13 PM
<i>Surr: 2,4,6-Tribromophenol</i>	<i>74.6</i>		<i>34-140</i>	<i>%REC</i>	<i>1</i>	6/27/2011 11:13 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: South Wall

Lab ID: 1106713-03

Collection Date: 6/23/2011 01:25 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	65.1		12-100	%REC	1	6/27/2011 11:13 PM
<i>Surr: 2-Fluorophenol</i>	59.4		33-117	%REC	1	6/27/2011 11:13 PM
<i>Surr: 4-Terphenyl-d14</i>	96.1		25-137	%REC	1	6/27/2011 11:13 PM
<i>Surr: Nitrobenzene-d5</i>	64.3		37-107	%REC	1	6/27/2011 11:13 PM
<i>Surr: Phenol-d6</i>	53.1		40-106	%REC	1	6/27/2011 11:13 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	ND		110	µg/Kg-dry	100	6/27/2011 03:41 PM
Ethylbenzene	ND		110	µg/Kg-dry	100	6/27/2011 03:41 PM
m,p-Xylene	ND		110	µg/Kg-dry	100	6/27/2011 03:41 PM
o-Xylene	ND		110	µg/Kg-dry	100	6/27/2011 03:41 PM
Toluene	ND		110	µg/Kg-dry	100	6/27/2011 03:41 PM
Xylenes, Total	ND		320	µg/Kg-dry	100	6/27/2011 03:41 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.7		70-120	%REC	100	6/27/2011 03:41 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		75-120	%REC	100	6/27/2011 03:41 PM
<i>Surr: Dibromofluoromethane</i>	93.3		85-115	%REC	100	6/27/2011 03:41 PM
<i>Surr: Toluene-d8</i>	98.8		85-115	%REC	100	6/27/2011 03:41 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: EE
Chromium, Trivalent	10			mg/L-dry	1	6/30/2011 03:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 6/28/2011	Analyst: MB
Chromium, Hexavalent	ND		0.53	mg/Kg-dry	1	6/28/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	6.9		0.050	% of sample	1	6/27/2011 04:00 PM
PH			SW9045D			Analyst: CV
pH	7.62			s.u.	1	6/27/2011 01:45 PM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: North Wall

Lab ID: 1106713-04

Collection Date: 6/23/2011 01:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	23		4.6	mg/Kg-dry	1	Analyst: RM 6/28/2011 02:58 AM
Surr: 4-Terphenyl-d14	94.3		39-115	%REC	1	6/28/2011 02:58 AM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		5.6	mg/Kg-dry	100	Analyst: RM 6/27/2011 10:49 PM
Surr: Toluene-d8	104		50-150	%REC	100	6/27/2011 10:49 PM
MERCURY BY CVAA						
Mercury	0.052		0.020	mg/Kg-dry	1	Analyst: LR 6/29/2011 01:40 PM
METALS BY ICP-MS						
Arsenic	4.1		0.87	mg/Kg-dry	2	Analyst: CES 6/29/2011 08:47 PM
Barium	79		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Cadmium	0.45		0.35	mg/Kg-dry	2	6/29/2011 08:47 PM
Chromium	10		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Copper	25		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Lead	17		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Nickel	21		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Selenium	1.6		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Silver	ND		0.87	mg/Kg-dry	2	6/29/2011 08:47 PM
Zinc	67		1.7	mg/Kg-dry	2	6/29/2011 08:47 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses		Rcvd 6/30/11	SUBCONTRACT			Analyst: A&LGL 6/30/2011
			attached		1	
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		33	µg/Kg-dry	1	Analyst: CW 6/28/2011 09:26 AM
Anthracene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Benzo(a)anthracene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Benzo(a)pyrene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Benzo(b)fluoranthene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Benzo(g,h,i)perylene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Benzo(k)fluoranthene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Chrysene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Dibenzo(a,h)anthracene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Fluoranthene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Fluorene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Indeno(1,2,3-cd)pyrene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Naphthalene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Pyrene	ND		33	µg/Kg-dry	1	6/28/2011 09:26 AM
Surr: 2,4,6-Tribromophenol	62.7		34-140	%REC	1	6/28/2011 09:26 AM

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Work Order: 1106713

Sample ID: North Wall

Lab ID: 1106713-04

Collection Date: 6/23/2011 01:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	66.3		12-100	%REC	1	6/28/2011 09:26 AM
<i>Surr: 2-Fluorophenol</i>	68.0		33-117	%REC	1	6/28/2011 09:26 AM
<i>Surr: 4-Terphenyl-d14</i>	102		25-137	%REC	1	6/28/2011 09:26 AM
<i>Surr: Nitrobenzene-d5</i>	73.0		37-107	%REC	1	6/28/2011 09:26 AM
<i>Surr: Phenol-d6</i>	60.3		40-106	%REC	1	6/28/2011 09:26 AM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	ND		110	µg/Kg-dry	100	6/27/2011 04:04 PM
Ethylbenzene	ND		110	µg/Kg-dry	100	6/27/2011 04:04 PM
m,p-Xylene	ND		110	µg/Kg-dry	100	6/27/2011 04:04 PM
o-Xylene	ND		110	µg/Kg-dry	100	6/27/2011 04:04 PM
Toluene	ND		110	µg/Kg-dry	100	6/27/2011 04:04 PM
Xylenes, Total	ND		340	µg/Kg-dry	100	6/27/2011 04:04 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	95.6		70-120	%REC	100	6/27/2011 04:04 PM
<i>Surr: 4-Bromofluorobenzene</i>	100		75-120	%REC	100	6/27/2011 04:04 PM
<i>Surr: Dibromofluoromethane</i>	92.6		85-115	%REC	100	6/27/2011 04:04 PM
<i>Surr: Toluene-d8</i>	98.6		85-115	%REC	100	6/27/2011 04:04 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: EE
Chromium, Trivalent	11			mg/L-dry	1	6/30/2011 03:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 6/28/2011	Analyst: MB
Chromium, Hexavalent	ND		0.55	mg/Kg-dry	1	6/28/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	11		0.050	% of sample	1	6/27/2011 04:00 PM
PH			SW9045D			Analyst: CV
pH	7.85			s.u.	1	6/27/2011 01:45 PM

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

Report Number: F11179-0153

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

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QUALITY ANALYSES FOR INFORMED DECISIONS

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

RE: 1106713

DATE RECEIVED: 06/28/2011

DATE REPORTED: 06/30/2011

PAGE: 1

P.O. NUMBER: 20-122010310

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
83472	01B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	4.53	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	122	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	151	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	1454	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	20.7	-	USDA Handbook 60
83473	02B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	3.59	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	150	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	171	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2207	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	29.1	-	USDA Handbook 60
83474	03B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	18.51	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	1054	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	1445	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	1160	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	5.4	-	USDA Handbook 60
83475	04B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	8.60	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	323	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	786	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	3716	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	25.3	-	USDA Handbook 60

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1106713

Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

Batch ID: 34037

Instrument ID GC8

Method: SW8015M

MBLK	Sample ID: DBLKS1-34037-34037				Units: mg/Kg		Analysis Date: 6/27/2011 10:05 PM			
Client ID:	Run ID: GC8_110627A				SeqNo: 1663399		Prep Date: 6/27/2011		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	1.644	0	1.667	0	98.6	39-115	0			

LCS	Sample ID: DLCSS1-34037-34037				Units: mg/Kg		Analysis Date: 6/27/2011 08:51 PM			
Client ID:	Run ID: GC8_110627A				SeqNo: 1663374		Prep Date: 6/27/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	138	4.2	166.7	0	82.8	60-130	0			
Surr: 4-Terphenyl-d14	1.383	0	1.667	0	83	39-115	0			

LCSD	Sample ID: DLCSDS1-34037-34037				Units: mg/Kg		Analysis Date: 6/27/2011 08:51 PM			
Client ID:	Run ID: GC8_110627A				SeqNo: 1663397		Prep Date: 6/27/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	134.3	4.2	166.7	0	80.6	60-130	138	2.73	30	
Surr: 4-Terphenyl-d14	1.373	0	1.667	0	82.4	39-115	1.383	0.75	30	

MS	Sample ID: 1106659-05B MS				Units: mg/Kg		Analysis Date: 6/27/2011 09:16 PM			
Client ID:	Run ID: GC8_110627A				SeqNo: 1663375		Prep Date: 6/27/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	285.8	8.0	319.1	2.093	88.9	60-130	0			
Surr: 4-Terphenyl-d14	2.457	0	3.191	0	77	39-115	0			

MSD	Sample ID: 1106659-05B MSD				Units: mg/Kg		Analysis Date: 6/27/2011 09:16 PM			
Client ID:	Run ID: GC8_110627A				SeqNo: 1663398		Prep Date: 6/27/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	277.9	8.3	330.8	2.093	83.4	60-130	285.8	2.79	30	
Surr: 4-Terphenyl-d14	2.514	0	3.308	0	76	39-115	2.457	2.31	30	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91627** Instrument ID **GC9** Method: **SW8015**

MBLK	Sample ID: MBLK-R91627-R91627				Units: µg/L		Analysis Date: 6/27/2011 07:18 PM			
Client ID:	Run ID: GC9_110627B				SeqNo: 1663008		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>	<i>106.4</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>106</i>	<i>70-130</i>	<i>0</i>			

LCS	Sample ID: LCS-R91627-R91627				Units: µg/L		Analysis Date: 6/27/2011 05:59 PM			
Client ID:	Run ID: GC9_110627B				SeqNo: 1663006		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)	26580	200	25000	0	106	70-130	0			
<i>Surr: Toluene-d8</i>	<i>109.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>109</i>	<i>70-130</i>	<i>0</i>			

LCSD	Sample ID: LCSD-R91627-R91627				Units: µg/L		Analysis Date: 6/27/2011 06:25 PM			
Client ID:	Run ID: GC9_110627B				SeqNo: 1663007		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)	26170	200	25000	0	105	70-130	26580	1.56	30	
<i>Surr: Toluene-d8</i>	<i>107.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>107</i>	<i>70-130</i>	<i>109.5</i>	<i>2.06</i>	<i>30</i>	

MS	Sample ID: 1106715-23A MS				Units: µg/Kg		Analysis Date: 6/28/2011 04:28 AM			
Client ID:	Run ID: GC9_110627B				SeqNo: 1663027		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)	1322000	2,500	1250000	0	106	70-130	0			
<i>Surr: Toluene-d8</i>	<i>5434</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>109</i>	<i>50-150</i>	<i>0</i>			

MSD	Sample ID: 1106715-23A MSD				Units: µg/Kg		Analysis Date: 6/28/2011 04:54 AM			
Client ID:	Run ID: GC9_110627B				SeqNo: 1663028		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)	1288000	2,500	1250000	0	103	70-130	1322000	2.59	30	
<i>Surr: Toluene-d8</i>	<i>5249</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>105</i>	<i>50-150</i>	<i>5434</i>	<i>3.47</i>	<i>30</i>	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34082** Instrument ID **HG1** Method: **SW7471**

MBLK	Sample ID: MBLK-34082-34082				Units: mg/Kg		Analysis Date: 6/28/2011 04:19 PM			
Client ID:	Run ID: HG1_110628A				SeqNo: 1663603		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001583	0.020								J

LCS	Sample ID: LCS-34082-34082				Units: mg/Kg		Analysis Date: 6/28/2011 04:22 PM			
Client ID:	Run ID: HG1_110628A				SeqNo: 1663604		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1764	0.020	0.1665		0	106	80-120	0		

LCSD	Sample ID: LCSD-34082-34082				Units: mg/Kg		Analysis Date: 6/28/2011 04:24 PM			
Client ID:	Run ID: HG1_110628A				SeqNo: 1663605		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1772	0.020	0.1665		0	106	80-120	0.1764	0.424	20

MS	Sample ID: 1106665-12BMS				Units: mg/Kg		Analysis Date: 6/28/2011 04:52 PM			
Client ID:	Run ID: HG1_110628A				SeqNo: 1663619		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1579	0.018	0.1507	0.01008	98.1	75-125		0		

MSD	Sample ID: 1106665-12BMDS				Units: mg/Kg		Analysis Date: 6/28/2011 04:54 PM			
Client ID:	Run ID: HG1_110628A				SeqNo: 1663620		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1564	0.018	0.1518	0.01008	96.4	75-125	0.1579	0.977	35	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34077** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK	Sample ID: MBLK-34077-34077		Units: mg/Kg		Analysis Date: 6/29/2011 03:57 PM					
Client ID:	Run ID: ICPMS1_110628A		SeqNo: 1665255		Prep Date: 6/28/2011		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS	Sample ID: LCS-34077-34077		Units: mg/Kg		Analysis Date: 6/29/2011 04:03 PM					
Client ID:	Run ID: ICPMS1_110628A		SeqNo: 1665256		Prep Date: 6/28/2011		DF: 2			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.818	0.50	5	0	96.4	80-120	0			
Barium	5.146	0.50	5	0	103	80-120	0			
Cadmium	4.709	0.20	5	0	94.2	80-120	0			
Chromium	4.989	0.50	5	0	99.8	80-120	0			
Copper	4.952	0.50	5	0	99	80-120	0			
Lead	4.958	0.50	5	0	99.2	80-120	0			
Nickel	4.958	0.50	5	0	99.2	80-120	0			
Selenium	4.872	0.50	5	0	97.4	80-120	0			
Silver	4.956	0.50	5	0	99.1	80-120	0			
Zinc	4.727	1.0	5	0	94.5	80-120	0			

LCSD	Sample ID: LCSD-34077-34077		Units: mg/Kg		Analysis Date: 6/29/2011 04:09 PM					
Client ID:	Run ID: ICPMS1_110628A		SeqNo: 1665257		Prep Date: 6/28/2011		DF: 2			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.622	0.50	5	0	92.4	80-120	4.818	4.15	20	
Barium	4.853	0.50	5	0	97.1	80-120	5.146	5.86	20	
Cadmium	4.638	0.20	5	0	92.8	80-120	4.709	1.52	20	
Chromium	4.87	0.50	5	0	97.4	80-120	4.989	2.41	20	
Copper	4.81	0.50	5	0	96.2	80-120	4.952	2.91	20	
Lead	4.802	0.50	5	0	96	80-120	4.958	3.2	20	
Nickel	4.857	0.50	5	0	97.1	80-120	4.958	2.06	20	
Selenium	4.475	0.50	5	0	89.5	80-120	4.872	8.49	20	
Silver	4.812	0.50	5	0	96.2	80-120	4.956	2.95	20	
Zinc	4.625	1.0	5	0	92.5	80-120	4.727	2.18	20	

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34077** Instrument ID **ICPMS1** Method: **SW6020A**

MS		Sample ID: 1106665-37BMS				Units: mg/Kg		Analysis Date: 6/29/2011 04:33 PM		
Client ID:		Run ID: ICPMS1_110628A				SeqNo: 1665269		Prep Date: 6/28/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.213	0.41	8.21	0.7044	79.3	80-120	0			S
Barium	28.14	0.41	8.21	20.47	93.3	80-120	0			
Cadmium	7.353	0.16	8.21	0.05005	89	80-120	0			
Chromium	24.69	0.41	8.21	14.56	123	80-120	0			S
Copper	53.22	0.41	8.21	47.23	72.9	80-120	0			SO
Lead	10.42	0.41	8.21	1.813	105	80-120	0			
Nickel	52.19	0.41	8.21	43	112	80-120	0			O
Selenium	6.79	0.41	8.21	0.6074	75.3	80-120	0			S
Silver	6.649	0.41	8.21	0.0187	80.8	80-120	0			
Zinc	35.25	0.82	8.21	30.07	63	80-120	0			S

MSD		Sample ID: 1106665-37BMSD				Units: mg/Kg		Analysis Date: 6/29/2011 04:39 PM		
Client ID:		Run ID: ICPMS1_110628A				SeqNo: 1665320		Prep Date: 6/28/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.071	0.41	8.17	0.7044	77.9	80-120	7.213	1.98	25	S
Barium	28.54	0.41	8.17	20.47	98.7	80-120	28.14	1.42	25	
Cadmium	7.316	0.16	8.17	0.05005	88.9	80-120	7.353	0.503	25	
Chromium	24.52	0.41	8.17	14.56	122	80-120	24.69	0.691	25	S
Copper	52.07	0.41	8.17	47.23	59.2	80-120	53.22	2.19	25	SO
Lead	10.25	0.41	8.17	1.813	103	80-120	10.42	1.6	25	
Nickel	46.41	0.41	8.17	43	41.8	80-120	52.19	11.7	25	SO
Selenium	6.483	0.41	8.17	0.6074	71.9	80-120	6.79	4.63	25	S
Silver	6.528	0.41	8.17	0.0187	79.7	80-120	6.649	1.83	25	S
Zinc	38.76	0.82	8.17	30.07	106	80-120	35.25	9.49	25	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34036** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-34036-34036** Units: **µg/Kg** Analysis Date: **6/27/2011 07:54 PM**

Client ID: Run ID: **SVMS6_110627A** SeqNo: **1662695** Prep Date: **6/27/2011** 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>	<i>904.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>54.3</i>	<i>34-140</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>988</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>59.3</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>1108</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>66.5</i>	<i>33-117</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1578</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>94.7</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>1067</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>64</i>	<i>37-107</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>1048</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>62.9</i>	<i>40-106</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34036** Instrument ID **SVMS6** Method: **SW8270**

LCS		Sample ID: SLCSS1-34036-34036				Units: µg/Kg		Analysis Date: 6/27/2011 08:21 PM		
Client ID:		Run ID: SVMS6_110627A				SeqNo: 1662697		Prep Date: 6/27/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1081	30	1333	0	81.1	45-110	0			
Anthracene	1267	30	1333	0	95	55-105	0			
Benzo(a)anthracene	1129	30	1333	0	84.7	50-110	0			
Benzo(a)pyrene	1128	30	1333	0	84.6	50-110	0			
Benzo(b)fluoranthene	1165	30	1333	0	87.4	45-115	0			
Benzo(g,h,i)perylene	1227	30	1333	0	92	40-125	0			
Benzo(k)fluoranthene	1309	30	1333	0	98.2	45-115	0			
Chrysene	1112	30	1333	0	83.4	55-110	0			
Dibenzo(a,h)anthracene	1205	30	1333	0	90.4	40-125	0			
Fluoranthene	1281	30	1333	0	96.1	55-115	0			
Fluorene	1243	30	1333	0	93.2	50-110	0			
Indeno(1,2,3-cd)pyrene	1188	30	1333	0	89.1	40-120	0			
Naphthalene	1022	30	1333	0	76.7	40-105	0			
Pyrene	1059	30	1333	0	79.4	45-125	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>1258</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>75.5</i>	<i>34-140</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>1156</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>69.4</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>1108</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>66.5</i>	<i>33-117</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1399</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>83.9</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>1204</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>72.3</i>	<i>37-107</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>1145</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>68.7</i>	<i>40-106</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34036** Instrument ID **SVMS6** Method: **SW8270**

LCSD		Sample ID: SLCSDS1-34036-34036				Units: µg/Kg		Analysis Date: 6/27/2011 08:48 PM		
Client ID:		Run ID: SVMS6_110627A				SeqNo: 1662699		Prep Date: 6/27/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1062	30	1333	0	79.7	45-110	1081	1.77	25	
Anthracene	1279	30	1333	0	95.9	55-105	1267	0.943	25	
Benzo(a)anthracene	1143	30	1333	0	85.7	50-110	1129	1.2	25	
Benzo(a)pyrene	1148	30	1333	0	86.1	50-110	1128	1.79	25	
Benzo(b)fluoranthene	1189	30	1333	0	89.2	45-115	1165	2.04	25	
Benzo(g,h,i)perylene	1288	30	1333	0	96.6	40-125	1227	4.85	25	
Benzo(k)fluoranthene	1302	30	1333	0	97.6	45-115	1309	0.536	25	
Chrysene	1112	30	1333	0	83.4	55-110	1112	0.06	25	
Dibenzo(a,h)anthracene	1249	30	1333	0	93.7	40-125	1205	3.61	25	
Fluoranthene	1289	30	1333	0	96.7	55-115	1281	0.674	25	
Fluorene	1239	30	1333	0	92.9	50-110	1243	0.349	25	
Indeno(1,2,3-cd)pyrene	1237	30	1333	0	92.8	40-120	1188	4.07	25	
Naphthalene	1075	30	1333	0	80.6	40-105	1022	4.99	25	
Pyrene	1065	30	1333	0	79.9	45-125	1059	0.534	25	
<i>Surr: 2,4,6-Tribromophenol</i>	<i>1283</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>77</i>	<i>34-140</i>	<i>1258</i>	<i>1.99</i>	<i>40</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>1185</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>71.1</i>	<i>12-100</i>	<i>1156</i>	<i>2.48</i>	<i>40</i>	
<i>Surr: 2-Fluorophenol</i>	<i>1176</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>70.6</i>	<i>33-117</i>	<i>1108</i>	<i>5.98</i>	<i>40</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>1425</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>85.5</i>	<i>25-137</i>	<i>1399</i>	<i>1.86</i>	<i>40</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>1259</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>75.5</i>	<i>37-107</i>	<i>1204</i>	<i>4.41</i>	<i>40</i>	
<i>Surr: Phenol-d6</i>	<i>1199</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>71.9</i>	<i>40-106</i>	<i>1145</i>	<i>4.64</i>	<i>40</i>	

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34036** Instrument ID **SVMS6** Method: **SW8270**

MS		Sample ID: 1106659-05B MS				Units: µg/Kg		Analysis Date: 6/27/2011 10:35 PM		
Client ID:		Run ID: SVMS6_110627A				SeqNo: 1662967		Prep Date: 6/27/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2044	58	2591	0	78.9	45-110	0			
Anthracene	2385	58	2591	0	92.1	55-105	0			
Benzo(a)anthracene	2169	58	2591	0	83.7	50-110	0			
Benzo(a)pyrene	2135	58	2591	29.33	81.3	50-110	0			
Benzo(b)fluoranthene	1982	58	2591	0	76.5	45-115	0			
Benzo(g,h,i)perylene	2304	58	2591	0	88.9	40-125	0			
Benzo(k)fluoranthene	2717	58	2591	0	105	45-115	0			
Chrysene	2120	58	2591	0	81.8	55-110	0			
Dibenzo(a,h)anthracene	2326	58	2591	29.65	88.6	40-125	0			
Fluoranthene	2392	58	2591	0	92.3	55-115	0			
Fluorene	2252	58	2591	0	86.9	50-110	0			
Indeno(1,2,3-cd)pyrene	2249	58	2591	0	86.8	40-120	0			
Naphthalene	2105	58	2591	0	81.2	40-105	0			
Pyrene	2021	58	2591	0	78	45-125	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>2410</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>74.4</i>	<i>34-140</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>2000</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>61.7</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>2299</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>71</i>	<i>33-117</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>2392</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>73.9</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2580</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>79.6</i>	<i>37-107</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>2449</i>	<i>0</i>	<i>3239</i>	<i>0</i>	<i>75.6</i>	<i>40-106</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34036** Instrument ID **SVMS6** Method: **SW8270**

MSD				Sample ID: 1106659-05B MSD			Units: µg/Kg		Analysis Date: 6/27/2011 11:02 PM	
Client ID:				Run ID: SVMS6_110627A			SeqNo: 1662971		Prep Date: 6/27/2011	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1801	54	2399	0	75.1	45-110	2044	12.6	30	
Anthracene	2084	54	2399	0	86.9	55-105	2385	13.5	30	
Benzo(a)anthracene	1928	54	2399	0	80.4	50-110	2169	11.8	30	
Benzo(a)pyrene	1876	54	2399	29.33	77	50-110	2135	12.9	30	
Benzo(b)fluoranthene	2021	54	2399	0	84.3	45-115	1982	1.99	30	
Benzo(g,h,i)perylene	2020	54	2399	0	84.2	40-125	2304	13.1	30	
Benzo(k)fluoranthene	2054	54	2399	0	85.7	45-115	2717	27.8	30	
Chrysene	1871	54	2399	0	78	55-110	2120	12.5	30	
Dibenzo(a,h)anthracene	1997	54	2399	29.65	82	40-125	2326	15.2	30	
Fluoranthene	2096	54	2399	0	87.4	55-115	2392	13.2	30	
Fluorene	2038	54	2399	0	85	50-110	2252	9.95	30	
Indeno(1,2,3-cd)pyrene	1946	54	2399	0	81.1	40-120	2249	14.5	30	
Naphthalene	1870	54	2399	0	78	40-105	2105	11.8	30	
Pyrene	1807	54	2399	0	75.3	45-125	2021	11.2	30	
<i>Surr: 2,4,6-Tribromophenol</i>	<i>2190</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>73</i>	<i>34-140</i>	<i>2410</i>	<i>9.56</i>	<i>40</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>1780</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>59.4</i>	<i>12-100</i>	<i>2000</i>	<i>11.6</i>	<i>40</i>	
<i>Surr: 2-Fluorophenol</i>	<i>2054</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>68.5</i>	<i>33-117</i>	<i>2299</i>	<i>11.3</i>	<i>40</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>2053</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>68.5</i>	<i>25-137</i>	<i>2392</i>	<i>15.3</i>	<i>40</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>2188</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>73</i>	<i>37-107</i>	<i>2580</i>	<i>16.4</i>	<i>40</i>	
<i>Surr: Phenol-d6</i>	<i>2121</i>	<i>0</i>	<i>2998</i>	<i>0</i>	<i>70.7</i>	<i>40-106</i>	<i>2449</i>	<i>14.3</i>	<i>40</i>	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91567A** Instrument ID **VMS9** Method: **SW8260**

MBLK	Sample ID: VBLKW1-110627-R91567A				Units: µg/L		Analysis Date: 6/27/2011 01:18 PM			
Client ID:	Run ID: VMS9_110627A				SeqNo: 1662533		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	2.0								
Surr: 1,2-Dichloroethane-d4	96.26	0	100	0	96.3	70-120	0			
Surr: 4-Bromofluorobenzene	96.93	0	100	0	96.9	75-120	0			
Surr: Dibromofluoromethane	97.48	0	100	0	97.5	85-115	0			
Surr: Toluene-d8	99.3	0	100	0	99.3	85-120	0			

LCS	Sample ID: VLCSW1-110627-R91567A				Units: µg/L		Analysis Date: 6/27/2011 12:07 PM			
Client ID:	Run ID: VMS9_110627A				SeqNo: 1661396		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.99	1.0	20	0	105	80-120	0			
Ethylbenzene	20.75	1.0	20	0	104	75-125	0			
m,p-Xylene	41.95	2.0	40	0	105	75-130	0			
o-Xylene	20.57	1.0	20	0	103	80-120	0			
Toluene	20.64	1.0	20	0	103	75-120	0			
Xylenes, Total	62.52	2.0	60	0	104	75-130	0			
Surr: 1,2-Dichloroethane-d4	94.16	0	100	0	94.2	70-120	0			
Surr: 4-Bromofluorobenzene	98.97	0	100	0	99	75-120	0			
Surr: Dibromofluoromethane	99.58	0	100	0	99.6	85-115	0			
Surr: Toluene-d8	99.41	0	100	0	99.4	85-120	0			

LCSD	Sample ID: VLCSW1-110627-R91567A				Units: µg/L		Analysis Date: 6/27/2011 12:31 PM			
Client ID:	Run ID: VMS9_110627A				SeqNo: 1661475		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.81	1.0	20	0	104	80-120	20.99	0.861	30	
Ethylbenzene	20.37	1.0	20	0	102	75-125	20.75	1.85	30	
m,p-Xylene	41.11	2.0	40	0	103	75-130	41.95	2.02	30	
o-Xylene	20.39	1.0	20	0	102	80-120	20.57	0.879	30	
Toluene	20.42	1.0	20	0	102	75-120	20.64	1.07	30	
Xylenes, Total	61.5	2.0	60	0	102	75-130	62.52	1.64	30	
Surr: 1,2-Dichloroethane-d4	95.94	0	100	0	95.9	70-120	94.16	1.87	30	
Surr: 4-Bromofluorobenzene	99.81	0	100	0	99.8	75-120	98.97	0.845	30	
Surr: Dibromofluoromethane	100.2	0	100	0	100	85-115	99.58	0.631	30	
Surr: Toluene-d8	98.91	0	100	0	98.9	85-120	99.41	0.504	30	

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91567A** Instrument ID **VMS9** Method: **SW8260**

MS				Sample ID: 1106675-02A MS			Units: µg/L		Analysis Date: 6/27/2011 09:58 PM		
Client ID:		Run ID: VMS9_110627A			SeqNo: 1662563		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	16.93	1.0	20	0.03	84.5	80-120		0			
Ethylbenzene	18.52	1.0	20	0.27	91.2	75-125		0			
m,p-Xylene	35.39	2.0	40	0.32	87.7	75-130		0			
o-Xylene	17.44	1.0	20	0	87.2	80-120		0			
Toluene	17.79	1.0	20	0.43	86.8	75-120		0			
Xylenes, Total	52.83	2.0	60	0.32	87.5	75-130		0			
Surr: 1,2-Dichloroethane-d4	96.22	0	100	0	96.2	70-120		0			
Surr: 4-Bromofluorobenzene	96.46	0	100	0	96.5	75-120		0			
Surr: Dibromofluoromethane	93.71	0	100	0	93.7	85-115		0			
Surr: Toluene-d8	103.5	0	100	0	103	85-120		0			

MSD				Sample ID: 1106675-02A MSD			Units: µg/L		Analysis Date: 6/27/2011 10:22 PM		
Client ID:		Run ID: VMS9_110627A			SeqNo: 1662564		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	17.65	1.0	20	0.03	88.1	80-120	16.93	4.16	30		
Ethylbenzene	18.67	1.0	20	0.27	92	75-125	18.52	0.807	30		
m,p-Xylene	36.53	2.0	40	0.32	90.5	75-130	35.39	3.17	30		
o-Xylene	18.21	1.0	20	0	91	80-120	17.44	4.32	30		
Toluene	18.3	1.0	20	0.43	89.4	75-120	17.79	2.83	30		
Xylenes, Total	54.74	2.0	60	0.32	90.7	75-130	52.83	3.55	30		
Surr: 1,2-Dichloroethane-d4	97.2	0	100	0	97.2	70-120	96.22	1.01	30		
Surr: 4-Bromofluorobenzene	97.3	0	100	0	97.3	75-120	96.46	0.867	30		
Surr: Dibromofluoromethane	95.38	0	100	0	95.4	85-115	93.71	1.77	30		
Surr: Toluene-d8	102.8	0	100	0	103	85-120	103.5	0.708	30		

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **34085** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-34085-34085				Units: mg/Kg		Analysis Date: 6/28/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110628E				SeqNo: 1663501		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.48								

LCS	Sample ID: LCS-34085-34085				Units: mg/Kg		Analysis Date: 6/28/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110628E				SeqNo: 1663499		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.06	0.50	1.984		0	104	75-110	0		

LCSD	Sample ID: LCSD-34085-34085				Units: mg/Kg		Analysis Date: 6/28/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110628E				SeqNo: 1663500		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.72	0.49	1.946		0	88.4	75-110	2.06	18	20

MS	Sample ID: 1106712-01B MS				Units: mg/Kg		Analysis Date: 6/28/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110628E				SeqNo: 1663488		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.832	0.49	1.953		0	42.6	60-130	0		S

MSD	Sample ID: 1106712-01B MSD				Units: mg/Kg		Analysis Date: 6/28/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110628E				SeqNo: 1663489		Prep Date: 6/28/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.328	0.49	1.953		0	68	60-130	0.832	45.9	30 R

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91612** Instrument ID **WETCHEM** Method: **SW9045D**

DUP	Sample ID: 1106704-01ADUP				Units: s.u.			Analysis Date: 6/27/2011 01:45 PM		
Client ID:	Run ID: WETCHEM_1106271				SeqNo: 1662572			Prep Date: DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.11	0	0	0	0	0-0	9.11	0	20	

DUP	Sample ID: 1106714-06ADUP				Units: s.u.			Analysis Date: 6/27/2011 01:45 PM		
Client ID:	Run ID: WETCHEM_1106271				SeqNo: 1662584			Prep Date: DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.45	0	0	0	0	0-0	9.45	0	20	

The following samples were analyzed in this batch:

1106713-01A	1106713-02A	1106713-03A
1106713-04A		

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91621** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R91621				Units: % of sample			Analysis Date: 6/27/2011 03:44 PM		
Client ID:	Run ID: MOIST_110627C				SeqNo: 1662850		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-R91621				Units: % of sample			Analysis Date: 6/27/2011 03:44 PM		
Client ID:	Run ID: MOIST_110627C				SeqNo: 1662849		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: 1106715-24BDUP1				Units: % of sample			Analysis Date: 6/27/2011 03:44 PM		
Client ID:	Run ID: MOIST_110627C				SeqNo: 1662845		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	17.79	0.050	0	0	0	0-0	18.32	2.94	20	

DUP	Sample ID: 1106715-24BDUP2				Units: % of sample			Analysis Date: 6/27/2011 03:44 PM		
Client ID:	Run ID: MOIST_110627C				SeqNo: 1662846		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	16.12	0.050	0	0	0	0-0	18.32	12.8	20	

DUP	Sample ID: 1106717-01ADUP				Units: % of sample			Analysis Date: 6/27/2011 03:44 PM		
Client ID:	Run ID: MOIST_110627C				SeqNo: 1662848		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	75.89	0.050	0	0	0	0-0	75.96	0.0922	20	

The following samples were analyzed in this batch:

1106713-01A

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

Client: HRL Compliance Solutions
Work Order: 1106713
Project: Bayless Weaver Ridge 13-9H Pit-East Half 10-475

QC BATCH REPORT

Batch ID: **R91623** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R91623				Units: % of sample			Analysis Date: 6/27/2011 04:00 PM		
Client ID:	Run ID: MOIST_110627D				SeqNo: 1662896		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-R91623				Units: % of sample			Analysis Date: 6/27/2011 04:00 PM		
Client ID:	Run ID: MOIST_110627D				SeqNo: 1662895		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: 1106713-02ADUP				Units: % of sample			Analysis Date: 6/27/2011 04:00 PM		
Client ID: East Wall	Run ID: MOIST_110627D				SeqNo: 1662888		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.85	0.050	0	0	0	0-0	3.87	0.518	20	

The following samples were analyzed in this batch:

1106713-02A	1106713-03A	1106713-04A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Chain-of-Custody

Form 202r8

WORKORDER
#

1106713


PAGE

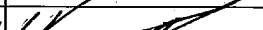

1 of 1

[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:  PIT Bottom DRO/GRO/BTEX = 24 HR All other Samples Standard Turnaround 5.8'C	QC PACKAGE (check below)	
		LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		KRIS ROWE	6/23/2011	17:00
RECEIVED BY		Diane F. Shaw	6/25/11	1030
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				



Environmental

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

Ft. Wayne, IN 46808

TEL: (260) 483-4759

FAX:

Acct #: 91000

CHAIN-OF-CUSTODY RECORD


Page 1 of 1

Date: 25-Jun-11COC ID: 2970Due Date: 01-Jul-11

7/5/11

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	1106713	A	Subcontracted Analyses (SUBCONTRACT) SAR-EC										
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		
1106713-01B (Pit Bottom)	Soil	23/Jun/2011 12:00	(1) MISC	X											
1106713-02B (East Wall)	Soil	23/Jun/2011 13:15	(1) MISC	X											
1106713-03B (South Wall)	Soil	23/Jun/2011 13:25	(1) MISC	X											
1106713-04B (North Wall)	Soil	23/Jun/2011 13:30	(1) MISC	X											

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

Relinquished by: 	Date/Time: <u>6/27/11</u>	Received by:	Date/Time:	Cooler IDs:	Report/QC Level
Relinquished by:	Date/Time:	Received by:	Date/Time:		Std

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **25-Jun-11 10:30**

Work Order: **1106713**

Received by: **DS**

Checklist completed by Diane Shaw 25-Jun-11
eSignature Date

Reviewed by: Ann Preston 25-Jun-11
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>5.8 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:

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx
Express

NEW Package
US Airbill

FedEx
Tracking
Number

8758 3475 6230

0200 Form
ID No.

FedEx Retrieval Copy

1 From

Date 6/23/11

Sender's FedEx
Account Number

Sender's
Name

Kris Rowe

Phone 920 243 3291

Company

HR Compliance Solutions Inc

Address

744 Horizon Pt

City

Grand Junction

State

ZIP

815016

2 Your Internal Billing Reference

3 To

Recipient's
Name

Sample Retrieving

Phone 616 399-1070

Company

ALS Group Laboratory

Address

3352 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

ZIP

49424

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

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



8758 3475 6230

QEC

Quality Environmental Cont
800-255-3950 • 304-255-39

Fed

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Next Business Day

06 ☐ **FedEx First Overnight**
Earliest next business morning delivery to select
locations. Friday shipments will be delivered on
Monday unless SATURDAY Delivery is selected.

01 ☒ **FedEx Priority Overnight**
Next business morning. Friday shipments will be
delivered on Monday unless SATURDAY Delivery
is selected.

05 ☐ **FedEx Standard Overnight**
Next business afternoon.
Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

06 ☐ **FedEx Envelope***

02 ☐ **FedEx Pak***

03 ☐ **FedEx
Box**

04 ☐ **FedEx
Tube**

01 ☒ **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.

34 ☐ **Indirect Signature**
If no one is available at recipient's
address, someone at a neighboring
address may sign for delivery. Fee
residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ **No** ☐ **Yes**
As per attached
Shipper's Declaration.

☐ **Yes**
Shipper's Declaration
not required.

06 ☐ **Dry Ice**
Dry Ice, 9 UN 1845

☐ **Cargo Aircraft Only**

7 Payment Bill to:

1 ☐ **Sender**
Acct. No. in Section
I will be billed.

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip.
Acct. No.

2 ☒ **Recipient**

3 ☐ **Third Party**

4 ☐ **Credit Card**

5 ☐ **Cash/Check**

Total Packages

Total Weight

lbs.

Credit Card Auth.

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

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Appendix 2: Amended Cuttings Raw Analytical Data



18-Jul-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **RL Bayless Weaver Ridge 13-9H 10-475**

Work Order: **1107083**

Dear Kris,

ALS Environmental received 3 samples on 06-Jul-2011 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 30.

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: IL100452

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

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H 10-475
Work Order: 1107083

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>
1107083-01	Amended Cuttings 0-5 FT	Soil		7/5/2011 12:00	7/6/2011 10:00	<input type="checkbox"/>
1107083-02	Amended Cuttings 5-10 FT	Soil		7/5/2011 12:30	7/6/2011 10:00	<input type="checkbox"/>
1107083-03	Amended Cuttings 10-15 FT	Soil		7/5/2011 13:00	7/6/2011 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H 10-475
Work Order: 1107083

Case Narrative

Batch R91966 MS/MSD data for GRO is not related to this project's samples.

Batch 34222 sample Amended Cuttings 0-5 FT MS recoveries for Copper and Selenium were below control limits. Both the MSD recoveries and RPD met quality control criteria. The MS recoveries for Barium and Zinc were below control limits but the amount of Barium and Zinc in the parent samples was greater than 4 times the amount spiked.

Batch 34189 Sample 1107083-02A: Low acid surrogate recovery does not affect the reported PNA compounds. The LCSD recovery for the surrogate, Phenol-d6, was below control limits but none of the PAH compounds are associated with this surrogate. The MS/MSD data for PAHs is not related to this project's samples.

Batch 34285 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H 10-475
WorkOrder: 1107083

**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
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: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Sample ID: Amended Cuttings 0-5 FT

Collection Date: 7/5/2011 12:00 PM

Work Order: 1107083

Lab ID: 1107083-01

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	130		SW8015M		Prep Date: 7/6/2011	Analyst: RM
			4.7	mg/Kg-dry	1	7/7/2011 03:28 PM
Surr: 4-Terphenyl-d14	75.8		39-115	%REC	1	7/7/2011 03:28 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.8	mg/Kg-dry	100	7/6/2011 08:53 PM
Surr: Toluene-d8	103		50-150	%REC	100	7/6/2011 08:53 PM
MERCURY BY CVAA						
Mercury	0.039		SW7471		Prep Date: 7/6/2011	Analyst: LR
			0.020	mg/Kg-dry	1	7/6/2011 04:56 PM
METALS BY ICP-MS						
Arsenic	6.0		SW6020A		Prep Date: 7/7/2011	Analyst: CES
			0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Barium	140		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Cadmium	0.45		0.36	mg/Kg-dry	2	7/8/2011 01:46 AM
Chromium	11		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Copper	24		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Lead	15		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Nickel	19		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Selenium	1.6		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Silver	ND		0.91	mg/Kg-dry	2	7/8/2011 01:46 AM
Zinc	66		1.8	mg/Kg-dry	2	7/8/2011 01:46 AM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/13/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/6/2011	Analyst: CW
			34	µg/Kg-dry	1	7/7/2011 11:33 AM
Anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Chrysene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Fluorene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Naphthalene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:33 AM
Surr: 2,4,6-Tribromophenol	65.8		34-140	%REC	1	7/7/2011 11:33 AM

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

ALS Group USA, Corp

Date: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Sample ID: Amended Cuttings 0-5 FT

Collection Date: 7/5/2011 12:00 PM

Work Order: 1107083

Lab ID: 1107083-01

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	50.3		12-100	%REC	1	7/7/2011 11:33 AM
<i>Surr: 2-Fluorophenol</i>	52.3		33-117	%REC	1	7/7/2011 11:33 AM
<i>Surr: 4-Terphenyl-d14</i>	92.4		25-137	%REC	1	7/7/2011 11:33 AM
<i>Surr: Nitrobenzene-d5</i>	54.5		37-107	%REC	1	7/7/2011 11:33 AM
<i>Surr: Phenol-d6</i>	48.5		40-106	%REC	1	7/7/2011 11:33 AM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: BG
Benzene	ND		120	µg/Kg-dry	100	7/6/2011 01:12 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	7/6/2011 01:12 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	7/6/2011 01:12 PM
o-Xylene	ND		120	µg/Kg-dry	100	7/6/2011 01:12 PM
Toluene	ND		120	µg/Kg-dry	100	7/6/2011 01:12 PM
Xylenes, Total	ND		350	µg/Kg-dry	100	7/6/2011 01:12 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	103		70-120	%REC	100	7/6/2011 01:12 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		75-120	%REC	100	7/6/2011 01:12 PM
<i>Surr: Dibromofluoromethane</i>	96.6		85-115	%REC	100	7/6/2011 01:12 PM
<i>Surr: Toluene-d8</i>	101		85-115	%REC	100	7/6/2011 01:12 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	11			mg/kg-dry	1	7/12/2011 04:05 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/8/2011	Analyst: MB
Chromium, Hexavalent	ND		0.56	mg/Kg-dry	1	7/12/2011 03:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	13		0.050	% of sample	1	7/6/2011 01:30 PM
PH			SW9045D			Analyst: JS
pH	8.47			s.u.	1	7/6/2011 09:30 AM

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

ALS Group USA, Corp

Date: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Sample ID: Amended Cuttings 5-10 FT

Collection Date: 7/5/2011 12:30 PM

Work Order: 1107083

Lab ID: 1107083-02

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	91		SW8015M		Prep Date: 7/6/2011	Analyst: RM
			4.7	mg/Kg-dry	1	7/7/2011 03:52 PM
Surr: 4-Terphenyl-d14	75.3		39-115	%REC	1	7/7/2011 03:52 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.7	mg/Kg-dry	100	7/6/2011 09:20 PM
Surr: Toluene-d8	100		50-150	%REC	100	7/6/2011 09:20 PM
MERCURY BY CVAA						
Mercury	0.039		SW7471		Prep Date: 7/6/2011	Analyst: LR
			0.019	mg/Kg-dry	1	7/6/2011 05:03 PM
METALS BY ICP-MS						
Arsenic	6.3		SW6020A		Prep Date: 7/7/2011	Analyst: CES
			0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Barium	130		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Cadmium	0.45		0.35	mg/Kg-dry	2	7/8/2011 02:16 AM
Chromium	11		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Copper	24		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Lead	15		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Nickel	19		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Selenium	1.5		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Silver	ND		0.87	mg/Kg-dry	2	7/8/2011 02:16 AM
Zinc	65		1.7	mg/Kg-dry	2	7/8/2011 02:16 AM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/13/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/6/2011	Analyst: CW
			34	µg/Kg-dry	1	7/7/2011 12:07 PM
Anthracene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Chrysene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Fluorene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Naphthalene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Pyrene	ND		34	µg/Kg-dry	1	7/7/2011 12:07 PM
Surr: 2,4,6-Tribromophenol	56.0		34-140	%REC	1	7/7/2011 12:07 PM

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

ALS Group USA, Corp

Date: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Work Order: 1107083

Sample ID: Amended Cuttings 5-10 FT

Lab ID: 1107083-02

Collection Date: 7/5/2011 12:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	38.5		12-100	%REC	1	7/7/2011 12:07 PM
<i>Surr: 2-Fluorophenol</i>	43.8		33-117	%REC	1	7/7/2011 12:07 PM
<i>Surr: 4-Terphenyl-d14</i>	76.1		25-137	%REC	1	7/7/2011 12:07 PM
<i>Surr: Nitrobenzene-d5</i>	44.0		37-107	%REC	1	7/7/2011 12:07 PM
<i>Surr: Phenol-d6</i>	39.8	S	40-106	%REC	1	7/7/2011 12:07 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: BG
Benzene	ND		110	µg/Kg-dry	100	7/6/2011 01:37 PM
Ethylbenzene	ND		110	µg/Kg-dry	100	7/6/2011 01:37 PM
m,p-Xylene	ND		110	µg/Kg-dry	100	7/6/2011 01:37 PM
o-Xylene	ND		110	µg/Kg-dry	100	7/6/2011 01:37 PM
Toluene	ND		110	µg/Kg-dry	100	7/6/2011 01:37 PM
Xylenes, Total	ND		340	µg/Kg-dry	100	7/6/2011 01:37 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	100	7/6/2011 01:37 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		75-120	%REC	100	7/6/2011 01:37 PM
<i>Surr: Dibromofluoromethane</i>	96.3		85-115	%REC	100	7/6/2011 01:37 PM
<i>Surr: Toluene-d8</i>	100		85-115	%REC	100	7/6/2011 01:37 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	11			mg/kg-dry	1	7/12/2011 04:05 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/8/2011	Analyst: MB
Chromium, Hexavalent	ND		0.56	mg/Kg-dry	1	7/12/2011 03:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	13		0.050	% of sample	1	7/6/2011 01:30 PM
PH			SW9045D			Analyst: JS
pH	8.55			s.u.	1	7/6/2011 09:30 AM

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

ALS Group USA, Corp

Date: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Sample ID: Amended Cuttings 10-15 FT

Collection Date: 7/5/2011 01:00 PM

Work Order: 1107083

Lab ID: 1107083-03

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	120		SW8015M		Prep Date: 7/6/2011	Analyst: RM
			4.7	mg/Kg-dry	1	7/7/2011 03:52 PM
Surr: 4-Terphenyl-d14	94.7		39-115	%REC	1	7/7/2011 03:52 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.7	mg/Kg-dry	100	7/6/2011 09:46 PM
Surr: Toluene-d8	100		50-150	%REC	100	7/6/2011 09:46 PM
MERCURY BY CVAA						
Mercury	0.037		SW7471		Prep Date: 7/6/2011	Analyst: LR
			0.021	mg/Kg-dry	1	7/6/2011 05:05 PM
METALS BY ICP-MS						
Arsenic	8.5		SW6020A		Prep Date: 7/7/2011	Analyst: CES
			0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Barium	140		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Cadmium	0.43		0.33	mg/Kg-dry	2	7/8/2011 04:18 AM
Chromium	11		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Copper	25		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Lead	17		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Nickel	18		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Selenium	1.3		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Silver	ND		0.83	mg/Kg-dry	2	7/8/2011 04:18 AM
Zinc	65		1.7	mg/Kg-dry	2	7/8/2011 04:18 AM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/13/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/6/2011	Analyst: CW
			34	µg/Kg-dry	1	7/7/2011 11:00 AM
Anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Chrysene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Fluoranthene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Fluorene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Naphthalene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Pyrene	ND		34	µg/Kg-dry	1	7/7/2011 11:00 AM
Surr: 2,4,6-Tribromophenol	75.2		34-140	%REC	1	7/7/2011 11:00 AM

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

ALS Group USA, Corp

Date: 18-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H 10-475

Sample ID: Amended Cuttings 10-15 FT

Collection Date: 7/5/2011 01:00 PM

Work Order: 1107083

Lab ID: 1107083-03

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	54.2		12-100	%REC	1	7/7/2011 11:00 AM
<i>Surr: 2-Fluorophenol</i>	57.0		33-117	%REC	1	7/7/2011 11:00 AM
<i>Surr: 4-Terphenyl-d14</i>	100		25-137	%REC	1	7/7/2011 11:00 AM
<i>Surr: Nitrobenzene-d5</i>	59.2		37-107	%REC	1	7/7/2011 11:00 AM
<i>Surr: Phenol-d6</i>	53.1		40-106	%REC	1	7/7/2011 11:00 AM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: BG
Benzene	ND		110	µg/Kg-dry	100	7/6/2011 02:02 PM
Ethylbenzene	ND		110	µg/Kg-dry	100	7/6/2011 02:02 PM
m,p-Xylene	ND		110	µg/Kg-dry	100	7/6/2011 02:02 PM
o-Xylene	ND		110	µg/Kg-dry	100	7/6/2011 02:02 PM
Toluene	ND		110	µg/Kg-dry	100	7/6/2011 02:02 PM
Xylenes, Total	ND		340	µg/Kg-dry	100	7/6/2011 02:02 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	104		70-120	%REC	100	7/6/2011 02:02 PM
<i>Surr: 4-Bromofluorobenzene</i>	101		75-120	%REC	100	7/6/2011 02:02 PM
<i>Surr: Dibromofluoromethane</i>	95.8		85-115	%REC	100	7/6/2011 02:02 PM
<i>Surr: Toluene-d8</i>	100		85-115	%REC	100	7/6/2011 02:02 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	11			mg/kg-dry	1	7/12/2011 04:05 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/8/2011	Analyst: MB
Chromium, Hexavalent	ND		0.56	mg/Kg-dry	1	7/12/2011 03:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	13		0.050	% of sample	1	7/6/2011 01:30 PM
PH			SW9045D			Analyst: JS
pH	8.62			s.u.	1	7/6/2011 09:30 AM

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

Report Number: F11188-0238

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

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QUALITY ANALYSES FOR INFORMED DECISIONS

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

RE: 1107083

DATE RECEIVED: 07/07/2011

DATE REPORTED: 07/11/2011

PAGE: 1

P.O. NUMBER: 20-122010376

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
7546	01B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	6.63	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	276	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	329	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2563	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	24.6	-	USDA Handbook 60
7547	02B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	8.96	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	408	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	198	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	3152	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	31.9	-	USDA Handbook 60
7548	03B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	8.03	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	374	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	319	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2532	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	23.1	-	USDA Handbook 60

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1107083

Project: RL Bayless Weaver Ridge 13-9H 10-475

Batch ID: **34190** Instrument ID **GC8** Method: **SW8015M**

MBLK	Sample ID: DBLKS1-34190-34190				Units: mg/Kg		Analysis Date: 7/7/2011 08:07 AM			
Client ID:	Run ID: GC8_110705A				SeqNo: 1671594		Prep Date: 7/6/2011		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								
<i>Surr: 4-Terphenyl-d14</i>	1.117	0	1.667	0	67	39-115	0			

LCS	Sample ID: DLCSS1-34190-34190				Units: mg/Kg		Analysis Date: 7/7/2011 02:14 PM			
Client ID:	Run ID: GC8_110705A				SeqNo: 1671841		Prep Date: 7/6/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	122	4.2	166.7	0	73.2	60-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.245	0	1.667	0	74.7	39-115	0			

LCSD	Sample ID: DLCSDS1-34190-34190				Units: mg/Kg		Analysis Date: 7/7/2011 06:53 AM			
Client ID:	Run ID: GC8_110705A				SeqNo: 1671627		Prep Date: 7/6/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	101.2	4.2	166.7	0	60.7	60-130	122	18.6	30	
<i>Surr: 4-Terphenyl-d14</i>	1.321	0	1.667	0	79.3	39-115	1.245	5.9	30	

MS	Sample ID: 1107006-08A MS				Units: mg/Kg		Analysis Date: 7/7/2011 07:18 AM			
Client ID:	Run ID: GC8_110705A				SeqNo: 1671593		Prep Date: 7/6/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	192.6	8.0	318.6	0	60.5	60-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.281	0	3.186	0	40.2	39-115	0			

The following samples were analyzed in this batch: | 1107083-01A | 1107083-02A | 1107083-03A |

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **R91966** Instrument ID **GC9** Method: **SW8015**

MBLK	Sample ID: MBLK-R91966-R91966				Units: µg/L		Analysis Date: 7/6/2011 04:48 PM			
Client ID:	Run ID: GC9_110706A				SeqNo: 1671014		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>	<i>105</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>105</i>	<i>70-130</i>	<i>0</i>			

LCS	Sample ID: LCS-R91966-R91966				Units: µg/L		Analysis Date: 7/6/2011 03:28 PM			
Client ID:	Run ID: GC9_110706A				SeqNo: 1671012		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)	26130	200	25000	0	105	70-130	0			
<i>Surr: Toluene-d8</i>	<i>103.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>103</i>	<i>70-130</i>	<i>0</i>			

LCSD	Sample ID: LCSD-R91966-R91966				Units: µg/L		Analysis Date: 7/6/2011 03:55 PM			
Client ID:	Run ID: GC9_110706A				SeqNo: 1671013		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)	25430	200	25000	0	102	70-130	26130	2.7	30	
<i>Surr: Toluene-d8</i>	<i>103.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>103.2</i>	<i>0.29</i>	<i>30</i>	

MS	Sample ID: 1107012-01A MS				Units: µg/L		Analysis Date: 7/7/2011 02:10 AM			
Client ID:	Run ID: GC9_110706A				SeqNo: 1671019		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)	60060	200	25000	39780	81.1	70-130	0			
<i>Surr: Toluene-d8</i>	<i>94.77</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>94.8</i>	<i>70-130</i>	<i>0</i>			

MSD	Sample ID: 1107012-01A MSD				Units: µg/L		Analysis Date: 7/7/2011 02:36 AM			
Client ID:	Run ID: GC9_110706A				SeqNo: 1671020		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)	56660	200	25000	39780	67.5	70-130	60060	5.82	30	S
<i>Surr: Toluene-d8</i>	<i>91.38</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>91.4</i>	<i>70-130</i>	<i>94.77</i>	<i>3.64</i>	<i>30</i>	

The following samples were analyzed in this batch: | 1107083-01A | 1107083-02A | 1107083-03A |

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34199** Instrument ID **HG1** Method: **SW7471**

MBLK	Sample ID: MBLK-34199-34199				Units: mg/Kg			Analysis Date: 7/6/2011 04:27 PM		
Client ID:	Run ID: HG1_110706A				SeqNo: 1670957			Prep Date: 7/6/2011		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-34199-34199				Units: mg/Kg			Analysis Date: 7/6/2011 04:29 PM		
Client ID:	Run ID: HG1_110706A				SeqNo: 1670958			Prep Date: 7/6/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1679	0.020	0.1665		0	101	80-120	0		

LCSD	Sample ID: LCSD-34199-34199				Units: mg/Kg			Analysis Date: 7/6/2011 04:31 PM		
Client ID:	Run ID: HG1_110706A				SeqNo: 1670959			Prep Date: 7/6/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1715	0.020	0.1665		0	103	80-120	0.1679	2.11	20

MS	Sample ID: 1107083-01AMS				Units: mg/Kg			Analysis Date: 7/6/2011 04:59 PM		
Client ID: Amended Cuttings 0-5 FT	Run ID: HG1_110706A				SeqNo: 1670971			Prep Date: 7/6/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1528	0.018	0.1489	0.03383	79.9	75-125		0		

MSD	Sample ID: 1107083-01AMSD				Units: mg/Kg			Analysis Date: 7/6/2011 05:01 PM		
Client ID: Amended Cuttings 0-5 FT	Run ID: HG1_110706A				SeqNo: 1670972			Prep Date: 7/6/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1604	0.018	0.15	0.03383	84.4	75-125	0.1528	4.81	35	

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34222** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK	Sample ID: MBLK-34222-34222			Units: mg/Kg			Analysis Date: 7/7/2011 09:42 PM			
Client ID:	Run ID: ICPMS1_110707A			SeqNo: 1671975			Prep Date: 7/7/2011		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	0.001355	0.10								J
Chromium	0.003916	0.25								J
Copper	ND	0.25								
Lead	0.001163	0.25								J
Nickel	ND	0.25								
Selenium	0.05425	0.25								J
Silver	ND	0.25								
Zinc	ND	0.50								

LCS	Sample ID: LCS-34222-34222			Units: mg/Kg			Analysis Date: 7/8/2011 11:59 AM			
Client ID:	Run ID: ICPMS1_110708A			SeqNo: 1672552			Prep Date: 7/7/2011		DF: 2	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.568	0.50	5	0	91.4	80-120	0			
Barium	4.77	0.50	5	0	95.4	80-120	0			
Cadmium	4.781	0.20	5	0	95.6	80-120	0			
Chromium	4.989	0.50	5	0	99.8	80-120	0			
Copper	5.028	0.50	5	0	101	80-120	0			
Lead	4.876	0.50	5	0	97.5	80-120	0			
Nickel	5.028	0.50	5	0	101	80-120	0			
Selenium	4.792	0.50	5	0	95.8	80-120	0			
Silver	4.817	0.50	5	0	96.3	80-120	0			
Zinc	4.867	1.0	5	0	97.3	80-120	0			

LCSD	Sample ID: LCSD-34222-34222			Units: mg/Kg			Analysis Date: 7/8/2011 12:05 PM			
Client ID:	Run ID: ICPMS1_110708A			SeqNo: 1672553			Prep Date: 7/7/2011		DF: 2	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.74	0.50	5	0	94.8	80-120	4.568	3.7	20	
Barium	4.955	0.50	5	0	99.1	80-120	4.77	3.8	20	
Cadmium	4.95	0.20	5	0	99	80-120	4.781	3.47	20	
Chromium	5.109	0.50	5	0	102	80-120	4.989	2.38	20	
Copper	5.111	0.50	5	0	102	80-120	5.028	1.64	20	
Lead	5.035	0.50	5	0	101	80-120	4.876	3.21	20	
Nickel	5.085	0.50	5	0	102	80-120	5.028	1.13	20	
Selenium	4.946	0.50	5	0	98.9	80-120	4.792	3.16	20	
Silver	4.975	0.50	5	0	99.5	80-120	4.817	3.23	20	
Zinc	4.892	1.0	5	0	97.8	80-120	4.867	0.512	20	

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34222** Instrument ID **ICPMS1** Method: **SW6020A**

MS				Sample ID: 1107083-01AMS			Units: mg/Kg		Analysis Date: 7/8/2011 01:58 AM	
Client ID: Amended Cuttings 0-5 FT				Run ID: ICPMS1_110707A			SeqNo: 1672015		Prep Date: 7/7/2011	
							DF: 2			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.27	0.72	7.184	5.231	84.1	80-120	0			
Barium	115.8	0.72	7.184	117.8	-27.9	80-120	0			SO
Cadmium	7.098	0.29	7.184	0.3931	93.3	80-120	0			
Chromium	16.29	0.72	7.184	9.418	95.7	80-120	0			
Copper	26.47	0.72	7.184	21.12	74.5	80-120	0			S
Lead	20.16	0.72	7.184	13.32	95.2	80-120	0			
Nickel	22.11	0.72	7.184	16.29	81.1	80-120	0			
Selenium	6.999	0.72	7.184	1.402	77.9	80-120	0			S
Silver	5.987	0.72	7.184	0.07662	82.3	80-120	0			
Zinc	62.4	1.4	7.184	57.64	66.2	80-120	0			SO

MSD				Sample ID: 1107083-01AMSD			Units: mg/Kg		Analysis Date: 7/8/2011 02:04 AM	
Client ID: Amended Cuttings 0-5 FT				Run ID: ICPMS1_110707A			SeqNo: 1672016		Prep Date: 7/7/2011	
							DF: 2			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.87	0.71	7.143	5.231	92.9	80-120	11.27	5.17	25	
Barium	124	0.71	7.143	117.8	86.7	80-120	115.8	6.84	25	O
Cadmium	7.107	0.29	7.143	0.3931	94	80-120	7.098	0.133	25	
Chromium	16.06	0.71	7.143	9.418	92.9	80-120	16.29	1.46	25	
Copper	26.91	0.71	7.143	21.12	81.2	80-120	26.47	1.68	25	
Lead	20.69	0.71	7.143	13.32	103	80-120	20.16	2.58	25	
Nickel	22.3	0.71	7.143	16.29	84.1	80-120	22.11	0.846	25	
Selenium	7.291	0.71	7.143	1.402	82.5	80-120	6.999	4.1	25	
Silver	5.927	0.71	7.143	0.07662	81.9	80-120	5.987	1.01	25	
Zinc	63.53	1.4	7.143	57.64	82.4	80-120	62.4	1.79	25	O

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34189** Instrument ID **SVMS5** Method: **SW8270**

MBLK Sample ID: **SBLKS1-34189-34189** Units: **µg/Kg** Analysis Date: **7/6/2011 04:43 PM**

Client ID: Run ID: **SVMS5_110706A** SeqNo: **1671077** Prep Date: **7/6/2011** 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>	730	0	1667	0	43.8	34-140	0			
<i>Surr: 2-Fluorobiphenyl</i>	699	0	1667	0	41.9	12-100	0			
<i>Surr: 2-Fluorophenol</i>	758	0	1667	0	45.5	33-117	0			
<i>Surr: 4-Terphenyl-d14</i>	1327	0	1667	0	79.6	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	752.3	0	1667	0	45.1	37-107	0			
<i>Surr: Phenol-d6</i>	734.7	0	1667	0	44.1	40-106	0			

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34189** Instrument ID **SVMS5** Method: **SW8270**

LCS Sample ID: **SLCSS1-34189-34189** Units: **µg/Kg** Analysis Date: **7/6/2011 05:17 PM**

Client ID: Run ID: **SVMS5_110706A** SeqNo: **1671078** Prep Date: **7/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	675.3	30	1333	0	50.7	45-110	0			
Anthracene	900	30	1333	0	67.5	55-105	0			
Benzo(a)anthracene	895	30	1333	0	67.1	50-110	0			
Benzo(a)pyrene	963.3	30	1333	0	72.3	50-110	0			
Benzo(b)fluoranthene	996.3	30	1333	0	74.7	45-115	0			
Benzo(g,h,i)perylene	749	30	1333	0	56.2	40-125	0			
Benzo(k)fluoranthene	962.3	30	1333	0	72.2	45-115	0			
Chrysene	942.3	30	1333	0	70.7	55-110	0			
Dibenzo(a,h)anthracene	870.7	30	1333	0	65.3	40-125	0			
Fluoranthene	913.3	30	1333	0	68.5	55-115	0			
Fluorene	808.7	30	1333	0	60.7	50-110	0			
Indeno(1,2,3-cd)pyrene	837	30	1333	0	62.8	40-120	0			
Naphthalene	627	30	1333	0	47	40-105	0			
Pyrene	1005	30	1333	0	75.4	45-125	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>858</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>51.5</i>	<i>34-140</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>680.3</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>40.8</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>695</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>41.7</i>	<i>33-117</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1246</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>74.8</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>751</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>45.1</i>	<i>37-107</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>687.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>41.3</i>	<i>40-106</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34189** Instrument ID **SVMS5** Method: **SW8270**

LCSD		Sample ID: SLCSDS1-34189-34189				Units: µg/Kg		Analysis Date: 7/6/2011 05:52 PM		
Client ID:		Run ID: SVMS5_110706A				SeqNo: 1671079		Prep Date: 7/6/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	697	30	1333	0	52.3	45-110	675.3	3.16	25	
Anthracene	881.7	30	1333	0	66.1	55-105	900	2.06	25	
Benzo(a)anthracene	851.3	30	1333	0	63.9	50-110	895	5	25	
Benzo(a)pyrene	927.7	30	1333	0	69.6	50-110	963.3	3.77	25	
Benzo(b)fluoranthene	952	30	1333	0	71.4	45-115	996.3	4.55	25	
Benzo(g,h,i)perylene	694	30	1333	0	52.1	40-125	749	7.62	25	
Benzo(k)fluoranthene	908	30	1333	0	68.1	45-115	962.3	5.81	25	
Chrysene	892.7	30	1333	0	67	55-110	942.3	5.41	25	
Dibenzo(a,h)anthracene	819.7	30	1333	0	61.5	40-125	870.7	6.03	25	
Fluoranthene	879.7	30	1333	0	66	55-115	913.3	3.76	25	
Fluorene	818.3	30	1333	0	61.4	50-110	808.7	1.19	25	
Indeno(1,2,3-cd)pyrene	787.7	30	1333	0	59.1	40-120	837	6.07	25	
Naphthalene	595.7	30	1333	0	44.7	40-105	627	5.13	25	
Pyrene	945.7	30	1333	0	70.9	45-125	1005	6.12	25	
<i>Surr: 2,4,6-Tribromophenol</i>	<i>871.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>52.3</i>	<i>34-140</i>	<i>858</i>	<i>1.58</i>	<i>40</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>693.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>41.6</i>	<i>12-100</i>	<i>680.3</i>	<i>1.94</i>	<i>40</i>	
<i>Surr: 2-Fluorophenol</i>	<i>675.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>40.5</i>	<i>33-117</i>	<i>695</i>	<i>2.82</i>	<i>40</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>1188</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>71.3</i>	<i>25-137</i>	<i>1246</i>	<i>4.74</i>	<i>40</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>718.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>43.1</i>	<i>37-107</i>	<i>751</i>	<i>4.4</i>	<i>40</i>	
<i>Surr: Phenol-d6</i>	<i>663</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>39.8</i>	<i>40-106</i>	<i>687.7</i>	<i>3.65</i>	<i>40</i>	<i>S</i>

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34189** Instrument ID **SVMS5** Method: **SW8270**

MS				Sample ID: 1107006-08A MS			Units: µg/Kg		Analysis Date: 7/7/2011 02:55 PM	
Client ID:				Run ID: SVMS5_110707A			SeqNo: 1672209		Prep Date: 7/6/2011	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1697	59	2628	0	64.6	45-110	0			
Anthracene	1887	59	2628	11.48	71.4	55-105	0			
Benzo(a)anthracene	2032	59	2628	68.89	74.7	50-110	0			
Benzo(a)pyrene	2031	59	2628	55.44	75.2	50-110	0			
Benzo(b)fluoranthene	2549	59	2628	60.03	94.7	45-115	0			
Benzo(g,h,i)perylene	1077	59	2628	21.98	40.1	40-125	0			
Benzo(k)fluoranthene	2077	59	2628	48.55	77.2	45-115	0			
Chrysene	1808	59	2628	51.18	66.9	55-110	0			
Dibenzo(a,h)anthracene	1304	59	2628	0	49.6	40-125	0			
Fluoranthene	2203	59	2628	91.2	80.4	55-115	0			
Fluorene	1820	59	2628	0	69.3	50-110	0			
Indeno(1,2,3-cd)pyrene	1256	59	2628	21.32	47	40-120	0			
Naphthalene	1512	59	2628	0	57.5	40-105	0			
Pyrene	1917	59	2628	88.9	69.5	45-125	0			
<i>Surr: 2,4,6-Tribromophenol</i>	<i>2000</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>60.9</i>	<i>34-140</i>	<i>0</i>			
<i>Surr: 2-Fluorobiphenyl</i>	<i>1384</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>42.1</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 2-Fluorophenol</i>	<i>1682</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>51.2</i>	<i>33-117</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1684</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>51.3</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>1839</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>56</i>	<i>37-107</i>	<i>0</i>			
<i>Surr: Phenol-d6</i>	<i>1638</i>	<i>0</i>	<i>3286</i>	<i>0</i>	<i>49.9</i>	<i>40-106</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34189** Instrument ID **SVMS5** Method: **SW8270**

MSD				Sample ID: 1107006-08A MSD			Units: µg/Kg		Analysis Date: 7/7/2011 03:29 PM	
Client ID:				Run ID: SVMS5_110707A			SeqNo: 1672210		Prep Date: 7/6/2011	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1563	60	2647	0	59.1	45-110	1697	8.2	30	
Anthracene	1829	60	2647	11.48	68.7	55-105	1887	3.13	30	
Benzo(a)anthracene	1891	60	2647	68.89	68.8	50-110	2032	7.17	30	
Benzo(a)pyrene	1969	60	2647	55.44	72.3	50-110	2031	3.13	30	
Benzo(b)fluoranthene	2416	60	2647	60.03	89	45-115	2549	5.36	30	
Benzo(g,h,i)perylene	1016	60	2647	21.98	37.5	40-125	1077	5.85	30	S
Benzo(k)fluoranthene	1988	60	2647	48.55	73.3	45-115	2077	4.39	30	
Chrysene	1810	60	2647	51.18	66.5	55-110	1808	0.116	30	
Dibenzo(a,h)anthracene	1253	60	2647	0	47.4	40-125	1304	3.99	30	
Fluoranthene	1994	60	2647	91.2	71.9	55-115	2203	9.95	30	
Fluorene	1726	60	2647	0	65.2	50-110	1820	5.33	30	
Indeno(1,2,3-cd)pyrene	1196	60	2647	21.32	44.4	40-120	1256	4.84	30	
Naphthalene	1269	60	2647	0	48	40-105	1512	17.5	30	
Pyrene	1801	60	2647	88.9	64.7	45-125	1917	6.25	30	
<i>Surr: 2,4,6-Tribromophenol</i>	<i>1900</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>57.4</i>	<i>34-140</i>	<i>2000</i>	<i>5.12</i>	<i>40</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>1020</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>30.8</i>	<i>12-100</i>	<i>1384</i>	<i>30.2</i>	<i>40</i>	
<i>Surr: 2-Fluorophenol</i>	<i>1495</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>45.2</i>	<i>33-117</i>	<i>1682</i>	<i>11.8</i>	<i>40</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>1301</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>39.3</i>	<i>25-137</i>	<i>1684</i>	<i>25.7</i>	<i>40</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>1518</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>45.9</i>	<i>37-107</i>	<i>1839</i>	<i>19.1</i>	<i>40</i>	
<i>Surr: Phenol-d6</i>	<i>1436</i>	<i>0</i>	<i>3309</i>	<i>0</i>	<i>43.4</i>	<i>40-106</i>	<i>1638</i>	<i>13.2</i>	<i>40</i>	

The following samples were analyzed in this batch: 1107083-01A 1107083-02A 1107083-03A

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **R91908** Instrument ID **VMS6** Method: **SW8260**

MBLK	Sample ID: VBLKW1-110706-R91908				Units: µg/L		Analysis Date: 7/6/2011 11:04 AM			
Client ID:	Run ID: VMS6_110706A				SeqNo: 1671110		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	2.0								
Surr: 1,2-Dichloroethane-d4	100.8	0	100	0	101	70-120	0			
Surr: 4-Bromofluorobenzene	98.48	0	100	0	98.5	75-120	0			
Surr: Dibromofluoromethane	100.5	0	100	0	100	85-115	0			
Surr: Toluene-d8	99.64	0	100	0	99.6	85-120	0			

LCS	Sample ID: VLCSW1-110706-R91908				Units: µg/L		Analysis Date: 7/6/2011 09:48 AM			
Client ID:	Run ID: VMS6_110706A				SeqNo: 1669862		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.52	1.0	20	0	108	80-120	0			
Ethylbenzene	20.9	1.0	20	0	104	75-125	0			
m,p-Xylene	43.82	2.0	40	0	110	75-130	0			
o-Xylene	22.07	1.0	20	0	110	80-120	0			
Toluene	21.2	1.0	20	0	106	75-120	0			
Xylenes, Total	65.89	2.0	60	0	110	75-130	0			
Surr: 1,2-Dichloroethane-d4	97.89	0	100	0	97.9	70-120	0			
Surr: 4-Bromofluorobenzene	98.65	0	100	0	98.6	75-120	0			
Surr: Dibromofluoromethane	100.9	0	100	0	101	85-115	0			
Surr: Toluene-d8	99.65	0	100	0	99.6	85-120	0			

LCSD	Sample ID: VLCSW1-110706-R91908				Units: µg/L		Analysis Date: 7/6/2011 10:13 AM			
Client ID:	Run ID: VMS6_110706A				SeqNo: 1670144		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.14	1.0	20	0	111	80-120	21.52	2.84	30	
Ethylbenzene	21.3	1.0	20	0	106	75-125	20.9	1.9	30	
m,p-Xylene	44.6	2.0	40	0	112	75-130	43.82	1.76	30	
o-Xylene	22.62	1.0	20	0	113	80-120	22.07	2.46	30	
Toluene	21.64	1.0	20	0	108	75-120	21.2	2.05	30	
Xylenes, Total	67.22	2.0	60	0	112	75-130	65.89	2	30	
Surr: 1,2-Dichloroethane-d4	101	0	100	0	101	70-120	97.89	3.16	30	
Surr: 4-Bromofluorobenzene	99.43	0	100	0	99.4	75-120	98.65	0.788	30	
Surr: Dibromofluoromethane	102.3	0	100	0	102	85-115	100.9	1.3	30	
Surr: Toluene-d8	99.17	0	100	0	99.2	85-120	99.65	0.483	30	

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

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **R91908** Instrument ID **VMS6** Method: **SW8260**

MS				Units: µg/L			Analysis Date: 7/6/2011 07:31 PM			
Sample ID: 1107023-02A MS										
Client ID:				Run ID: VMS6_110706A			SeqNo: 1671130		Prep Date:	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.61	1.0	20	0	108	80-120	0			
Ethylbenzene	20.65	1.0	20	0	103	75-125	0			
m,p-Xylene	43.11	2.0	40	0	108	75-130	0			
o-Xylene	21.62	1.0	20	0	108	80-120	0			
Toluene	20.88	1.0	20	0	104	75-120	0			
Xylenes, Total	64.73	2.0	60	0	108	75-130	0			
Surr: 1,2-Dichloroethane-d4	102.1	0	100	0	102	70-120	0			
Surr: 4-Bromofluorobenzene	99.19	0	100	0	99.2	75-120	0			
Surr: Dibromofluoromethane	101.2	0	100	0	101	85-115	0			
Surr: Toluene-d8	100.4	0	100	0	100	85-120	0			

MSD				Units: µg/L			Analysis Date: 7/6/2011 07:56 PM			
Sample ID: 1107023-02A MSD										
Client ID:				Run ID: VMS6_110706A			SeqNo: 1671132		Prep Date:	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.8	1.0	20	0	104	80-120	21.61	3.82	30	
Ethylbenzene	19.89	1.0	20	0	99.4	75-125	20.65	3.75	30	
m,p-Xylene	41.5	2.0	40	0	104	75-130	43.11	3.81	30	
o-Xylene	20.84	1.0	20	0	104	80-120	21.62	3.67	30	
Toluene	19.88	1.0	20	0	99.4	75-120	20.88	4.91	30	
Xylenes, Total	62.34	2.0	60	0	104	75-130	64.73	3.76	30	
Surr: 1,2-Dichloroethane-d4	103	0	100	0	103	70-120	102.1	0.8	30	
Surr: 4-Bromofluorobenzene	100.7	0	100	0	101	75-120	99.19	1.49	30	
Surr: Dibromofluoromethane	102.3	0	100	0	102	85-115	101.2	1.04	30	
Surr: Toluene-d8	99.98	0	100	0	100	85-120	100.4	0.469	30	

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **34285** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-34285-34285				Units: mg/Kg		Analysis Date: 7/12/2011 03:00 PM			
Client ID:	Run ID: WETCHEM_110712H				SeqNo: 1674519		Prep Date: 7/8/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.48								

LCS	Sample ID: LCS-34285-34285				Units: mg/Kg		Analysis Date: 7/12/2011 03:00 PM			
Client ID:	Run ID: WETCHEM_110712H				SeqNo: 1674517		Prep Date: 7/8/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.094	0.49	1.969		0	106	75-110	0		

LCSD	Sample ID: LCSD-34285-34285				Units: mg/Kg		Analysis Date: 7/12/2011 03:00 PM			
Client ID:	Run ID: WETCHEM_110712H				SeqNo: 1674518		Prep Date: 7/8/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.901	0.49	1.976		0	96.2	75-110	2.094	9.68	20

MS	Sample ID: 1107081-01B MS				Units: mg/Kg		Analysis Date: 7/12/2011 03:00 PM			
Client ID:	Run ID: WETCHEM_110712H				SeqNo: 1674512		Prep Date: 7/8/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.685	0.49	1.969	0.2846	20.3	60-130	0			S

MSD	Sample ID: 1107081-01B MSD				Units: mg/Kg		Analysis Date: 7/12/2011 03:00 PM			
Client ID:	Run ID: WETCHEM_110712H				SeqNo: 1674513		Prep Date: 7/8/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5913	0.50	1.984	0.2846	15.5	60-130	0.685	14.7	30	S

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **R91951** Instrument ID **WETCHEM** Method: **SW9045D**

DUP Sample ID: **1107080-01ADUP** Units: **s.u.** Analysis Date: **7/6/2011 09:30 AM**

Client ID: Run ID: **WETCHEM_1107061** SeqNo: **1670637** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.61	0	0	0	0	0-0	8.61	0	20	

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1107083
Project: RL Bayless Weaver Ridge 13-9H 10-475

QC BATCH REPORT

Batch ID: **R91969** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R91969				Units: % of sample			Analysis Date: 7/6/2011 01:30 PM		
Client ID:	Run ID: MOIST_110706A				SeqNo: 1671217		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								

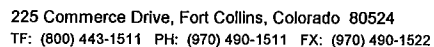
LCS	Sample ID: LCS-R91969				Units: % of sample			Analysis Date: 7/6/2011 01:30 PM		
Client ID:	Run ID: MOIST_110706A				SeqNo: 1671216		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP	Sample ID: 1107067-01ADUP				Units: % of sample			Analysis Date: 7/6/2011 01:30 PM		
Client ID:	Run ID: MOIST_110706A				SeqNo: 1671210		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	0	0	0	0-0	0	0	20	

The following samples were analyzed in this batch:

1107083-01A	1107083-02A	1107083-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.



WORKORDER
#

1107083

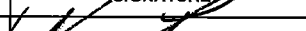

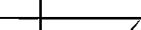
Form 202r8

PAGE

1 of 1

*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.

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Kris Rowe	7/5/2011	17:00
RECEIVED BY		KEITH WIERENGA	7/6/11	1000
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				



Environmental

Subcontractor:A & L Great Lakes Agricultural Lab
3505 Conestoga Dr

Ft. Wayne, IN 46808

TEL: (260) 483-4759

FAX:

Acct #: 91000

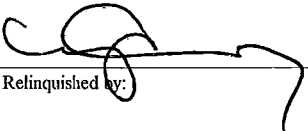
CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Date: 06-Jul-11COC ID: 2986Due Date 12-Jul-11

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order	20-122010376	Project Name	1107083	A	Subcontracted Analyses (SUBCONTRACT)										
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		
1107083-01B (Amended Cuttings 0-5 FT)	Soil	5/Jul/2011 12:00	(1) MISC	X											
1107083-02B (Amended Cuttings 5-10 FT)	Soil	5/Jul/2011 12:30	(1) MISC	X											
1107083-03B (Amended Cuttings 10-15 FT)	Soil	5/Jul/2011 13:00	(1) MISC	X											

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

Relinquished by: 	Date/Time: <u>7/6/11</u>	Received by:	Date/Time:	Cooler IDs	Report/QC Level
					Std
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **06-Jul-11 10:00**

Work Order: **1107083**

Received by: **KRW**

Checklist completed by Keith Wurenga
eSignature

06-Jul-11
Date

Reviewed by: Bill Carey
eSignature

06-Jul-11
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>3.6 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:

CUSTODY SEAL

DATE 7/5/11

SIGNATURE [Signature]

QEC

Quality Environmental Containers
800-255-3950 • 304-255-3900

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number

8758 3475 6127

1 From

Date 7/5/11

Sender's Name Kris Rowe

Company HRC Compliance Sdn

Address 7114 Horizon Ct

City Grand Junction

2 Your Internal Billing Reference

3 To Recipient's Name Samuel Pecunia

Company ALS Group

Address 3352 128th AVE

Address Holland

Sender's FedEx Account Number

Phone

Dept./Floor/Suite/Room 140

State CO

ZIP 81506

Phone 616 299-6070

Dept./Floor/Suite/Room

State MS

ZIP 39434

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

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

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Next Business Day

06 ☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 ☒ FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight
Next business afternoon. Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

06 ☐ FedEx Envelope*

02 ☐ FedEx Pak*

03 ☐ FedEx Box

04 ☐ FedEx Tube

01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

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

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

34 ☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries 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 not required.

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

06 ☐ Dry Ice
Dry Ice, 3, UN 1845

☐ Cargo Aircraft Only.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

1 ☐ Sender
Acct. No. in Section 1 will be billed.

2 ☒ Recipient

3 ☐ Third Party

4 ☐ Credit Card

5 ☐ Cash/Check

Total Packages 1

Total Weight 67 lbs.

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

Credit Card Auth.

Obtain recip. Acct. No. 612

fedex.com 1800.GoFedEx 1800.463.3339

fedex.com 1800.GoFedEx 1800.463.3339



8758 3475 6127

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Appendix 3: Western Half Confirmation Samples Raw Analytical Data



19-Jul-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **RL Bayless Weaver Ridge 13-9H West Half 10-475**

Work Order: **1107221**

Dear Kris,

ALS Environmental received 4 samples on 12-Jul-2011 08:15 AM for the analyses presented in the following report.

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

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 32.

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: IL100452

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 The ALS logo, a small blue triangle with a yellow flame.

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475
Work Order: 1107221

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>
1107221-01	Pit Bottom	Soil		7/11/2011 11:00	7/12/2011 08:15	<input type="checkbox"/>
1107221-02	West Wall	Soil		7/11/2011 12:15	7/12/2011 08:15	<input type="checkbox"/>
1107221-03	North Wall	Soil		7/11/2011 12:30	7/12/2011 08:15	<input type="checkbox"/>
1107221-04	South Wall	Soil		7/11/2011 13:00	7/12/2011 08:15	<input type="checkbox"/>

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475
Work Order: 1107221

Case Narrative

Batch 34304 MS/MSD data for Metals is not related to this project's samples.

Client: HRL Compliance Solutions
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475
WorkOrder: 1107221

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
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: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: Pit Bottom

Lab ID: 1107221-01

Collection Date: 7/11/2011 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	16		SW8015M		Prep Date: 7/12/2011	Analyst: RM
			4.7	mg/Kg-dry	1	7/13/2011 12:20 PM
Surr: 4-Terphenyl-d14	68.2		39-115	%REC	1	7/13/2011 12:20 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			6.0	mg/Kg-dry	100	7/12/2011 08:10 PM
Surr: Toluene-d8	99.4		50-150	%REC	100	7/12/2011 08:10 PM
MERCURY BY CVAA						
Mercury	0.064		SW7471		Prep Date: 7/13/2011	Analyst: LR
			0.020	mg/Kg-dry	1	7/14/2011 02:13 PM
METALS BY ICP-MS						
Arsenic	1.8		SW6020A		Prep Date: 7/13/2011	Analyst: CES
			0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Barium	180		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Cadmium	0.59		0.34	mg/Kg-dry	2	7/14/2011 01:55 PM
Chromium	12		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Copper	21		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Lead	16		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Nickel	21		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Selenium	1.0		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Silver	ND		0.84	mg/Kg-dry	2	7/14/2011 01:55 PM
Zinc	72		1.7	mg/Kg-dry	2	7/14/2011 01:55 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/15/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/12/2011	Analyst: CW
			34	µg/Kg-dry	1	7/13/2011 08:44 PM
Anthracene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Chrysene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Fluorene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Naphthalene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Pyrene	ND		34	µg/Kg-dry	1	7/13/2011 08:44 PM
Surr: 2,4,6-Tribromophenol	48.9		34-140	%REC	1	7/13/2011 08:44 PM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: Pit Bottom

Lab ID: 1107221-01

Collection Date: 7/11/2011 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	45.2		12-100	%REC	1	7/13/2011 08:44 PM
<i>Surr: 2-Fluorophenol</i>	49.6		33-117	%REC	1	7/13/2011 08:44 PM
<i>Surr: 4-Terphenyl-d14</i>	98.8		25-137	%REC	1	7/13/2011 08:44 PM
<i>Surr: Nitrobenzene-d5</i>	51.5		37-107	%REC	1	7/13/2011 08:44 PM
<i>Surr: Phenol-d6</i>	47.0		40-106	%REC	1	7/13/2011 08:44 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: MK
Benzene	ND		120	µg/Kg-dry	100	7/12/2011 11:46 AM
Ethylbenzene	ND		120	µg/Kg-dry	100	7/12/2011 11:46 AM
m,p-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 11:46 AM
o-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 11:46 AM
Toluene	ND		120	µg/Kg-dry	100	7/12/2011 11:46 AM
Xylenes, Total	ND		360	µg/Kg-dry	100	7/12/2011 11:46 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	97.5		70-120	%REC	100	7/12/2011 11:46 AM
<i>Surr: 4-Bromofluorobenzene</i>	97.9		75-120	%REC	100	7/12/2011 11:46 AM
<i>Surr: Dibromofluoromethane</i>	97.4		85-115	%REC	100	7/12/2011 11:46 AM
<i>Surr: Toluene-d8</i>	99.7		85-115	%REC	100	7/12/2011 11:46 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	12			mg/kg-dry	1	7/18/2011 07:55 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/12/2011	Analyst: MB
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	7/13/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	16		0.050	% of sample	1	7/12/2011 03:00 PM
PH			SW9045D			Analyst: JJG
pH	8.94			s.u.	1	7/12/2011 08:15 AM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: West Wall

Lab ID: 1107221-02

Collection Date: 7/11/2011 12:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	240		SW8015M		Prep Date: 7/12/2011	Analyst: RM
<i>Surr: 4-Terphenyl-d14</i>	93.2		4.9	mg/Kg-dry	1	7/13/2011 12:20 PM
			39-115	%REC	1	7/13/2011 12:20 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
<i>Surr: Toluene-d8</i>	99.8		6.0	mg/Kg-dry	100	7/12/2011 08:37 PM
			50-150	%REC	100	7/12/2011 08:37 PM
MERCURY BY CVAA						
Mercury	0.047		SW7471		Prep Date: 7/13/2011	Analyst: LR
			0.021	mg/Kg-dry	1	7/14/2011 02:15 PM
METALS BY ICP-MS						
Arsenic	4.2		SW6020A		Prep Date: 7/13/2011	Analyst: CES
Barium	160		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Cadmium	0.44		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Chromium	13		0.37	mg/Kg-dry	2	7/14/2011 02:01 PM
Copper	25		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Lead	16		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Nickel	19		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Selenium	1.2		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Silver	ND		0.92	mg/Kg-dry	2	7/14/2011 02:01 PM
Zinc	67		1.8	mg/Kg-dry	2	7/14/2011 02:01 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/15/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/12/2011	Analyst: CW
Anthracene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Benzo(a)anthracene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Benzo(a)pyrene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Benzo(b)fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Benzo(g,h,i)perylene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Benzo(k)fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Chrysene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Dibenzo(a,h)anthracene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Fluorene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Indeno(1,2,3-cd)pyrene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Naphthalene	78		35	µg/Kg-dry	1	7/13/2011 10:59 PM
Pyrene	ND		35	µg/Kg-dry	1	7/13/2011 10:59 PM
<i>Surr: 2,4,6-Tribromophenol</i>	81.6		34-140	%REC	1	7/13/2011 10:59 PM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: West Wall

Lab ID: 1107221-02

Collection Date: 7/11/2011 12:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	54.7		12-100	%REC	1	7/13/2011 10:59 PM
<i>Surr: 2-Fluorophenol</i>	63.9		33-117	%REC	1	7/13/2011 10:59 PM
<i>Surr: 4-Terphenyl-d14</i>	108		25-137	%REC	1	7/13/2011 10:59 PM
<i>Surr: Nitrobenzene-d5</i>	66.0		37-107	%REC	1	7/13/2011 10:59 PM
<i>Surr: Phenol-d6</i>	58.6		40-106	%REC	1	7/13/2011 10:59 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: MK
Benzene	ND		120	µg/Kg-dry	100	7/12/2011 12:11 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	7/12/2011 12:11 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 12:11 PM
o-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 12:11 PM
Toluene	ND		120	µg/Kg-dry	100	7/12/2011 12:11 PM
Xylenes, Total	ND		360	µg/Kg-dry	100	7/12/2011 12:11 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	97.0		70-120	%REC	100	7/12/2011 12:11 PM
<i>Surr: 4-Bromofluorobenzene</i>	99.0		75-120	%REC	100	7/12/2011 12:11 PM
<i>Surr: Dibromofluoromethane</i>	97.0		85-115	%REC	100	7/12/2011 12:11 PM
<i>Surr: Toluene-d8</i>	99.7		85-115	%REC	100	7/12/2011 12:11 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	13			mg/kg-dry	1	7/18/2011 07:55 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/12/2011	Analyst: MB
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	7/13/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	16		0.050	% of sample	1	7/12/2011 03:00 PM
PH			SW9045D			Analyst: JJG
pH	8.24			s.u.	1	7/12/2011 08:15 AM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: North Wall

Lab ID: 1107221-03

Collection Date: 7/11/2011 12:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	7.0		SW8015M		Prep Date: 7/12/2011	Analyst: RM
			4.8	mg/Kg-dry	1	7/13/2011 12:45 PM
Surr: 4-Terphenyl-d14	88.6		39-115	%REC	1	7/13/2011 12:45 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.9	mg/Kg-dry	100	7/12/2011 09:03 PM
Surr: Toluene-d8	101		50-150	%REC	100	7/12/2011 09:03 PM
MERCURY BY CVAA						
Mercury	0.043		SW7471		Prep Date: 7/13/2011	Analyst: LR
			0.022	mg/Kg-dry	1	7/14/2011 02:21 PM
METALS BY ICP-MS						
Arsenic	19		SW6020A		Prep Date: 7/13/2011	Analyst: CES
			0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Barium	100		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Cadmium	0.49		0.34	mg/Kg-dry	2	7/14/2011 02:06 PM
Chromium	12		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Copper	25		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Lead	21		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Nickel	20		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Selenium	1.1		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Silver	ND		0.85	mg/Kg-dry	2	7/14/2011 02:06 PM
Zinc	72		1.7	mg/Kg-dry	2	7/14/2011 02:06 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/15/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/12/2011	Analyst: CW
			34	µg/Kg-dry	1	7/13/2011 09:18 PM
Anthracene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Chrysene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Fluoranthene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Fluorene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Naphthalene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Pyrene	ND		34	µg/Kg-dry	1	7/13/2011 09:18 PM
Surr: 2,4,6-Tribromophenol	59.9		34-140	%REC	1	7/13/2011 09:18 PM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: North Wall

Lab ID: 1107221-03

Collection Date: 7/11/2011 12:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	51.1		12-100	%REC	1	7/13/2011 09:18 PM
<i>Surr: 2-Fluorophenol</i>	54.7		33-117	%REC	1	7/13/2011 09:18 PM
<i>Surr: 4-Terphenyl-d14</i>	114		25-137	%REC	1	7/13/2011 09:18 PM
<i>Surr: Nitrobenzene-d5</i>	55.7		37-107	%REC	1	7/13/2011 09:18 PM
<i>Surr: Phenol-d6</i>	51.3		40-106	%REC	1	7/13/2011 09:18 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: MK
Benzene	ND		120	µg/Kg-dry	100	7/12/2011 12:39 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	7/12/2011 12:39 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 12:39 PM
o-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 12:39 PM
Toluene	ND		120	µg/Kg-dry	100	7/12/2011 12:39 PM
Xylenes, Total	ND		350	µg/Kg-dry	100	7/12/2011 12:39 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	97.4		70-120	%REC	100	7/12/2011 12:39 PM
<i>Surr: 4-Bromofluorobenzene</i>	97.9		75-120	%REC	100	7/12/2011 12:39 PM
<i>Surr: Dibromofluoromethane</i>	96.3		85-115	%REC	100	7/12/2011 12:39 PM
<i>Surr: Toluene-d8</i>	99.3		85-115	%REC	100	7/12/2011 12:39 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	12			mg/kg-dry	1	7/18/2011 07:55 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/12/2011	Analyst: MB
Chromium, Hexavalent	ND		0.58	mg/Kg-dry	1	7/13/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	15		0.050	% of sample	1	7/12/2011 03:00 PM
PH			SW9045D			Analyst: JJG
pH	8.58			s.u.	1	7/12/2011 08:15 AM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: South Wall

Lab ID: 1107221-04

Collection Date: 7/11/2011 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	40		SW8015M		Prep Date: 7/12/2011	Analyst: RM
			4.8	mg/Kg-dry	1	7/13/2011 12:45 PM
Surr: 4-Terphenyl-d14	86.5		39-115	%REC	1	7/13/2011 12:45 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015			Analyst: RM
			5.9	mg/Kg-dry	100	7/12/2011 09:29 PM
Surr: Toluene-d8	101		50-150	%REC	100	7/12/2011 09:29 PM
MERCURY BY CVAA						
Mercury	0.036		SW7471		Prep Date: 7/13/2011	Analyst: LR
			0.021	mg/Kg-dry	1	7/14/2011 02:23 PM
METALS BY ICP-MS						
Arsenic	8.9		SW6020A		Prep Date: 7/13/2011	Analyst: CES
			0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Barium	120		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Cadmium	0.39		0.36	mg/Kg-dry	2	7/14/2011 02:12 PM
Chromium	11		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Copper	21		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Lead	14		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Nickel	16		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Selenium	0.98		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Silver	ND		0.91	mg/Kg-dry	2	7/14/2011 02:12 PM
Zinc	61		1.8	mg/Kg-dry	2	7/14/2011 02:12 PM
SUBCONTRACTED ANALYSES						
Subcontracted Analyses	See report		SUBCONTRACT			Analyst: A&LGL
			as noted		1	7/15/2011
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 7/12/2011	Analyst: CW
			35	µg/Kg-dry	1	7/13/2011 09:52 PM
Anthracene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Benzo(a)anthracene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Benzo(a)pyrene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Benzo(b)fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Benzo(g,h,i)perylene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Benzo(k)fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Chrysene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Dibenzo(a,h)anthracene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Fluoranthene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Fluorene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Indeno(1,2,3-cd)pyrene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Naphthalene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Pyrene	ND		35	µg/Kg-dry	1	7/13/2011 09:52 PM
Surr: 2,4,6-Tribromophenol	64.3		34-140	%REC	1	7/13/2011 09:52 PM

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

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Work Order: 1107221

Sample ID: South Wall

Lab ID: 1107221-04

Collection Date: 7/11/2011 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<i>Surr: 2-Fluorobiphenyl</i>	46.9		12-100	%REC	1	7/13/2011 09:52 PM
<i>Surr: 2-Fluorophenol</i>	52.3		33-117	%REC	1	7/13/2011 09:52 PM
<i>Surr: 4-Terphenyl-d14</i>	110		25-137	%REC	1	7/13/2011 09:52 PM
<i>Surr: Nitrobenzene-d5</i>	54.6		37-107	%REC	1	7/13/2011 09:52 PM
<i>Surr: Phenol-d6</i>	48.7		40-106	%REC	1	7/13/2011 09:52 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: MK
Benzene	ND		120	µg/Kg-dry	100	7/12/2011 01:04 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	7/12/2011 01:04 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 01:04 PM
o-Xylene	ND		120	µg/Kg-dry	100	7/12/2011 01:04 PM
Toluene	ND		120	µg/Kg-dry	100	7/12/2011 01:04 PM
Xylenes, Total	ND		360	µg/Kg-dry	100	7/12/2011 01:04 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	97.1		70-120	%REC	100	7/12/2011 01:04 PM
<i>Surr: 4-Bromofluorobenzene</i>	98.4		75-120	%REC	100	7/12/2011 01:04 PM
<i>Surr: Dibromofluoromethane</i>	96.0		85-115	%REC	100	7/12/2011 01:04 PM
<i>Surr: Toluene-d8</i>	99.3		85-115	%REC	100	7/12/2011 01:04 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JJG
Chromium, Trivalent	11			mg/kg-dry	1	7/18/2011 07:55 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 7/12/2011	Analyst: MB
Chromium, Hexavalent	ND		0.57	mg/Kg-dry	1	7/13/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	16		0.050	% of sample	1	7/12/2011 03:00 PM
PH			SW9045D			Analyst: JJG
pH	8.66			s.u.	1	7/12/2011 08:15 AM

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

Report Number: F11194-0371

Account Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

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QUALITY ANALYSES FOR INFORMED DECISIONS

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

RE: 1107221

DATE RECEIVED: 07/13/2011

DATE REPORTED: 07/15/2011

PAGE: 1

P.O. NUMBER: 20-122010395

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
16104	01B	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	4.86	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	132	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	323	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	1873	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	19.9	-	USDA Handbook 60
16105	02B	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	12.36	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	665	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	649	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	5338	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	35.1	-	USDA Handbook 60
16106	03B	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	17.85	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	464	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	519	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	4090	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	30.9	-	USDA Handbook 60
16107	04B	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	10.57	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	229	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	229	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	3068	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	34.1	-	USDA Handbook 60

ALS Group USA, Corp

Date: 19-Jul-11

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1107221

Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

Batch ID: **34263**

Instrument ID **GC8**

Method: **SW8015M**

MBLK	Sample ID: DBLKS1-34263-34263				Units: mg/Kg		Analysis Date: 7/13/2011 11:31 AM			
Client ID:	Run ID: GC8_110713A				SeqNo: 1675700		Prep Date: 7/12/2011		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								
<i>Surr: 4-Terphenyl-d14</i>	<i>1.604</i>	<i>0</i>	<i>1.667</i>	<i>0</i>	<i>96.3</i>	<i>39-115</i>	<i>0</i>			

LCS	Sample ID: DLCSS1-34263-34263				Units: mg/Kg		Analysis Date: 7/13/2011 10:18 AM			
Client ID:	Run ID: GC8_110713A				SeqNo: 1675715		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	129.3	4.2	166.7	0	77.6	60-130	0			
<i>Surr: 4-Terphenyl-d14</i>	<i>1.151</i>	<i>0</i>	<i>1.667</i>	<i>0</i>	<i>69</i>	<i>39-115</i>	<i>0</i>			

LCSD	Sample ID: DLCSDS1-34263-34263				Units: mg/Kg		Analysis Date: 7/13/2011 10:18 AM			
Client ID:	Run ID: GC8_110713A				SeqNo: 1675698		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	156.3	4.2	166.7	0	93.8	60-130	129.3	18.9	30	
<i>Surr: 4-Terphenyl-d14</i>	<i>1.422</i>	<i>0</i>	<i>1.667</i>	<i>0</i>	<i>85.3</i>	<i>39-115</i>	<i>1.151</i>	<i>21.1</i>	<i>30</i>	

MS	Sample ID: 1107199-03B MS				Units: mg/Kg		Analysis Date: 7/13/2011 10:43 AM			
Client ID:	Run ID: GC8_110713A				SeqNo: 1675716		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	260.7	7.9	317.1	0	82.2	60-130	0			
<i>Surr: 4-Terphenyl-d14</i>	<i>2.043</i>	<i>0</i>	<i>3.171</i>	<i>0</i>	<i>64.4</i>	<i>39-115</i>	<i>0</i>			

MSD	Sample ID: 1107199-03B MSD				Units: mg/Kg		Analysis Date: 7/13/2011 10:43 AM			
Client ID:	Run ID: GC8_110713A				SeqNo: 1675699		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	247.1	8.2	328.1	0	75.3	60-130	260.7	5.37	30	
<i>Surr: 4-Terphenyl-d14</i>	<i>1.913</i>	<i>0</i>	<i>3.281</i>	<i>0</i>	<i>58.3</i>	<i>39-115</i>	<i>2.043</i>	<i>6.57</i>	<i>30</i>	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **R92160** Instrument ID **GC9** Method: **SW8015**

MBLK	Sample ID: MBLK-R92160-R92160				Units: µg/L		Analysis Date: 7/12/2011 12:41 PM			
Client ID:	Run ID: GC9_110712A				SeqNo: 1675380		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>	<i>104.5</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>0</i>			

LCS	Sample ID: LCS-R92160-R92160				Units: µg/L		Analysis Date: 7/12/2011 11:24 AM			
Client ID:	Run ID: GC9_110712A				SeqNo: 1675378		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)	27020	200	25000	0	108	70-130	0			
<i>Surr: Toluene-d8</i>	<i>110.8</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>111</i>	<i>70-130</i>	<i>0</i>			

LCSD	Sample ID: LCSD-R92160-R92160				Units: µg/L		Analysis Date: 7/12/2011 11:50 AM			
Client ID:	Run ID: GC9_110712A				SeqNo: 1675379		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)	27120	200	25000	0	108	70-130	27020	0.373	30	
<i>Surr: Toluene-d8</i>	<i>113.2</i>	<i>0</i>	<i>100</i>	<i>0</i>	<i>113</i>	<i>70-130</i>	<i>110.8</i>	<i>2.2</i>	<i>30</i>	

MS	Sample ID: 1106752-06B MS				Units: µg/Kg		Analysis Date: 7/12/2011 09:55 PM			
Client ID:	Run ID: GC9_110712A				SeqNo: 1675403		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)	1356000	2,500	1250000	0	108	70-130	0			
<i>Surr: Toluene-d8</i>	<i>5132</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>103</i>	<i>50-150</i>	<i>0</i>			

MSD	Sample ID: 1106752-06B MSD				Units: µg/Kg		Analysis Date: 7/12/2011 10:21 PM			
Client ID:	Run ID: GC9_110712A				SeqNo: 1675404		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)	1293000	2,500	1250000	0	103	70-130	1356000	4.75	30	
<i>Surr: Toluene-d8</i>	<i>5192</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>104</i>	<i>50-150</i>	<i>5132</i>	<i>1.18</i>	<i>30</i>	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34319** Instrument ID **HG1** Method: **SW7471**

MBLK	Sample ID: MBLK-34319-34319				Units: mg/Kg		Analysis Date: 7/14/2011 01:55 PM			
Client ID:	Run ID: HG1_110714A				SeqNo: 1676859		Prep Date: 7/13/2011		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-34319-34319				Units: mg/Kg		Analysis Date: 7/14/2011 01:57 PM			
Client ID:	Run ID: HG1_110714A				SeqNo: 1676860		Prep Date: 7/13/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1902	0.020	0.1665		0	114	80-120	0		

LCSD	Sample ID: LCSD-34319-34319				Units: mg/Kg		Analysis Date: 7/14/2011 01:59 PM			
Client ID:	Run ID: HG1_110714A				SeqNo: 1676861		Prep Date: 7/13/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1872	0.020	0.1665		0	112	80-120	0.1902	1.55	20

MS	Sample ID: 1107289-10BMS				Units: mg/Kg		Analysis Date: 7/14/2011 02:54 PM			
Client ID:	Run ID: HG1_110714A				SeqNo: 1676886		Prep Date: 7/13/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1751	0.019	0.1544	0.01061	107	75-125	0			

MSD	Sample ID: 1107289-10BMSD				Units: mg/Kg		Analysis Date: 7/14/2011 02:56 PM			
Client ID:	Run ID: HG1_110714A				SeqNo: 1676887		Prep Date: 7/13/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1877	0.019	0.1576	0.01061	112	75-125	0.1751	6.94	35	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34304** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK	Sample ID: MBLK-34304-34304			Units: mg/Kg			Analysis Date: 7/14/2011 12:13 PM			
Client ID:	Run ID: ICPMS1_110714A			SeqNo: 1676635			Prep Date: 7/13/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.01902	0.25								J
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	0.00801	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-34304-34304			Units: mg/Kg			Analysis Date: 7/14/2011 12:19 PM			
Client ID:	Run ID: ICPMS1_110714A			SeqNo: 1676636			Prep Date: 7/13/2011		DF: 2	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.009	0.50	5	0	100	80-120	0			
Barium	4.996	0.50	5	0	99.9	80-120	0			
Cadmium	5.071	0.20	5	0	101	80-120	0			
Chromium	5.291	0.50	5	0	106	80-120	0			
Copper	5.316	0.50	5	0	106	80-120	0			
Lead	5.087	0.50	5	0	102	80-120	0			
Nickel	5.313	0.50	5	0	106	80-120	0			
Selenium	4.745	0.50	5	0	94.9	80-120	0			
Silver	4.664	0.50	5	0	93.3	80-120	0			
Zinc	5.11	1.0	5	0	102	80-120	0			

LCSD	Sample ID: LCSD-34304-34304			Units: mg/Kg			Analysis Date: 7/14/2011 12:25 PM			
Client ID:	Run ID: ICPMS1_110714A			SeqNo: 1676637			Prep Date: 7/13/2011		DF: 2	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.998	0.50	5	0	100	80-120	5.009	0.22	20	
Barium	5.012	0.50	5	0	100	80-120	4.996	0.32	20	
Cadmium	5.034	0.20	5	0	101	80-120	5.071	0.732	20	
Chromium	5.148	0.50	5	0	103	80-120	5.291	2.74	20	
Copper	5.148	0.50	5	0	103	80-120	5.316	3.21	20	
Lead	5.061	0.50	5	0	101	80-120	5.087	0.512	20	
Nickel	5.145	0.50	5	0	103	80-120	5.313	3.21	20	
Selenium	4.639	0.50	5	0	92.8	80-120	4.745	2.26	20	
Silver	4.571	0.50	5	0	91.4	80-120	4.664	2.01	20	
Zinc	5.086	1.0	5	0	102	80-120	5.11	0.471	20	

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34304** Instrument ID **ICPMS1** Method: **SW6020A**

MS		Sample ID: 1107258-14AMS				Units: mg/Kg		Analysis Date: 7/14/2011 01:01 PM		
Client ID:		Run ID: ICPMS1_110714A				SeqNo: 1676641		Prep Date: 7/13/2011		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	18.44	1.5	7.375	11.27	97.2	80-120	0			
Barium	99.85	1.5	7.375	93.61	84.7	80-120	0			O
Cadmium	8.749	0.59	7.375	1.409	99.5	80-120	0			
Chromium	43.36	1.5	7.375	35.09	112	80-120	0			O
Copper	16.28	1.5	7.375	9.408	93.2	80-120	0			
Lead	29.53	1.5	7.375	21.71	106	80-120	0			
Nickel	29.97	1.5	7.375	23.87	82.8	80-120	0			
Selenium	8.263	1.5	7.375	1.014	98.3	80-120	0			
Silver	6.501	1.5	7.375	0.4574	82	80-120	0			
Zinc	109.9	2.9	7.375	103.4	88.7	80-120	0			O

MSD		Sample ID: 1107258-14AMSD				Units: mg/Kg		Analysis Date: 7/14/2011 01:07 PM		
Client ID:		Run ID: ICPMS1_110714A				SeqNo: 1676642		Prep Date: 7/13/2011		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	19.31	1.4	7.052	11.27	114	80-120	18.44	4.61	25	
Barium	105.9	1.4	7.052	93.61	174	80-120	99.85	5.87	25	SO
Cadmium	8.595	0.56	7.052	1.409	102	80-120	8.749	1.78	25	
Chromium	45.9	1.4	7.052	35.09	153	80-120	43.36	5.68	25	SO
Copper	17.23	1.4	7.052	9.408	111	80-120	16.28	5.67	25	
Lead	30.92	1.4	7.052	21.71	131	80-120	29.53	4.6	25	S
Nickel	34.81	1.4	7.052	23.87	155	80-120	29.97	14.9	25	S
Selenium	8.324	1.4	7.052	1.014	104	80-120	8.263	0.746	25	
Silver	6.226	1.4	7.052	0.4574	81.8	80-120	6.501	4.33	25	
Zinc	114.2	2.8	7.052	103.4	154	80-120	109.9	3.84	25	SO

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34262** Instrument ID **SVMS5** Method: **SW8270**

MBLK Sample ID: **SBLKS1-34262-34262** Units: **µg/Kg** Analysis Date: **7/13/2011 09:38 AM**

Client ID: Run ID: **SVMS5_110713A** SeqNo: **1675970** Prep Date: **7/12/2011** 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>	866	0	1667	0	52	34-140	0			
<i>Surr: 2-Fluorobiphenyl</i>	1095	0	1667	0	65.7	12-100	0			
<i>Surr: 2-Fluorophenol</i>	1096	0	1667	0	65.8	33-117	0			
<i>Surr: 4-Terphenyl-d14</i>	1885	0	1667	0	113	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1180	0	1667	0	70.8	37-107	0			
<i>Surr: Phenol-d6</i>	1013	0	1667	0	60.8	40-106	0			

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34262** Instrument ID **SVMS5** Method: **SW8270**

LCS		Sample ID: SLCSS1-34262-34262				Units: µg/Kg		Analysis Date: 7/13/2011 10:12 AM		
Client ID:		Run ID: SVMS5_110713A				SeqNo: 1675971		Prep Date: 7/12/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	980.7	30	1333	0	73.6	45-110	0			
Anthracene	1284	30	1333	0	96.3	55-105	0			
Benzo(a)anthracene	1209	30	1333	0	90.7	50-110	0			
Benzo(a)pyrene	1316	30	1333	0	98.7	50-110	0			
Benzo(b)fluoranthene	1134	30	1333	0	85	45-115	0			
Benzo(g,h,i)perylene	1414	30	1333	0	106	40-125	0			
Benzo(k)fluoranthene	1516	30	1333	0	114	45-115	0			
Chrysene	1277	30	1333	0	95.8	55-110	0			
Dibenzo(a,h)anthracene	1494	30	1333	0	112	40-125	0			
Fluoranthene	1277	30	1333	0	95.8	55-115	0			
Fluorene	1191	30	1333	0	89.3	50-110	0			
Indeno(1,2,3-cd)pyrene	1472	30	1333	0	110	40-120	0			
Naphthalene	859.7	30	1333	0	64.5	40-105	0			
Pyrene	1317	30	1333	0	98.8	45-125	0			
Surr: 2,4,6-Tribromophenol	1321	0	1667	0	79.2	34-140	0			
Surr: 2-Fluorobiphenyl	947	0	1667	0	56.8	12-100	0			
Surr: 2-Fluorophenol	938.7	0	1667	0	56.3	33-117	0			
Surr: 4-Terphenyl-d14	1613	0	1667	0	96.8	25-137	0			
Surr: Nitrobenzene-d5	988.3	0	1667	0	59.3	37-107	0			
Surr: Phenol-d6	878.3	0	1667	0	52.7	40-106	0			

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34262** Instrument ID **SVMS5** Method: **SW8270**

LCSD		Sample ID: SLCSDS1-34262-34262				Units: µg/Kg		Analysis Date: 7/13/2011 10:46 AM		
Client ID:		Run ID: SVMS5_110713A				SeqNo: 1675972		Prep Date: 7/12/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	839.7	30	1333	0	63	45-110	980.7	15.5	25	
Anthracene	1040	30	1333	0	78	55-105	1284	21	25	
Benzo(a)anthracene	1029	30	1333	0	77.2	50-110	1209	16.1	25	
Benzo(a)pyrene	1086	30	1333	0	81.5	50-110	1316	19.1	25	
Benzo(b)fluoranthene	947	30	1333	0	71	45-115	1134	17.9	25	
Benzo(g,h,i)perylene	1176	30	1333	0	88.2	40-125	1414	18.4	25	
Benzo(k)fluoranthene	1233	30	1333	0	92.5	45-115	1516	20.6	25	
Chrysene	1013	30	1333	0	76	55-110	1277	23.1	25	
Dibenzo(a,h)anthracene	1239	30	1333	0	92.9	40-125	1494	18.7	25	
Fluoranthene	1069	30	1333	0	80.2	55-115	1277	17.8	25	
Fluorene	971.3	30	1333	0	72.9	50-110	1191	20.3	25	
Indeno(1,2,3-cd)pyrene	1221	30	1333	0	91.6	40-120	1472	18.6	25	
Naphthalene	830	30	1333	0	62.3	40-105	859.7	3.51	25	
Pyrene	1103	30	1333	0	82.7	45-125	1317	17.7	25	
<i>Surr: 2,4,6-Tribromophenol</i>	<i>1079</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>64.7</i>	<i>34-140</i>	<i>1321</i>	<i>20.2</i>	<i>40</i>	
<i>Surr: 2-Fluorobiphenyl</i>	<i>895</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>53.7</i>	<i>12-100</i>	<i>947</i>	<i>5.65</i>	<i>40</i>	
<i>Surr: 2-Fluorophenol</i>	<i>899.7</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>54</i>	<i>33-117</i>	<i>938.7</i>	<i>4.24</i>	<i>40</i>	
<i>Surr: 4-Terphenyl-d14</i>	<i>1344</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>80.6</i>	<i>25-137</i>	<i>1613</i>	<i>18.2</i>	<i>40</i>	
<i>Surr: Nitrobenzene-d5</i>	<i>980.3</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>58.8</i>	<i>37-107</i>	<i>988.3</i>	<i>0.813</i>	<i>40</i>	
<i>Surr: Phenol-d6</i>	<i>851.3</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>51.1</i>	<i>40-106</i>	<i>878.3</i>	<i>3.12</i>	<i>40</i>	

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34262** Instrument ID **SVMS5** Method: **SW8270**

MS				Sample ID: 1107199-03B MS			Units: µg/Kg		Analysis Date: 7/13/2011 11:21 AM	
Client ID:				Run ID: SVMS5_110713A			SeqNo: 1675973		Prep Date: 7/12/2011	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1716	59	2615	0	65.6	45-110	0			
Anthracene	2105	59	2615	0	80.5	55-105	0			
Benzo(a)anthracene	2185	59	2615	0	83.6	50-110	0			
Benzo(a)pyrene	2271	59	2615	0	86.8	50-110	0			
Benzo(b)fluoranthene	2118	59	2615	0	81	45-115	0			
Benzo(g,h,i)perylene	2526	59	2615	0	96.6	40-125	0			
Benzo(k)fluoranthene	2513	59	2615	0	96.1	45-115	0			
Chrysene	2158	59	2615	0	82.5	55-110	0			
Dibenzo(a,h)anthracene	2596	59	2615	0	99.3	40-125	0			
Fluoranthene	2191	59	2615	0	83.8	55-115	0			
Fluorene	1886	59	2615	0	72.1	50-110	0			
Indeno(1,2,3-cd)pyrene	2583	59	2615	0	98.8	40-120	0			
Naphthalene	1741	59	2615	0	66.6	40-105	0			
Pyrene	2179	59	2615	0	83.3	45-125	0			
Surr: 2,4,6-Tribromophenol	1983	0	3269	0	60.7	34-140	0			
Surr: 2-Fluorobiphenyl	1198	0	3269	0	36.6	12-100	0			
Surr: 2-Fluorophenol	1940	0	3269	0	59.3	33-117	0			
Surr: 4-Terphenyl-d14	1913	0	3269	0	58.5	25-137	0			
Surr: Nitrobenzene-d5	2003	0	3269	0	61.3	37-107	0			
Surr: Phenol-d6	1863	0	3269	0	57	40-106	0			

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34262** Instrument ID **SVMS5** Method: **SW8270**

MSD				Sample ID: 1107199-03B MSD			Units: µg/Kg		Analysis Date: 7/13/2011 11:55 AM	
Client ID:				Run ID: SVMS5_110713A			SeqNo: 1675974		Prep Date: 7/12/2011	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1730	57	2512	0	68.9	45-110	1716	0.829	30	
Anthracene	1929	57	2512	0	76.8	55-105	2105	8.74	30	
Benzo(a)anthracene	1949	57	2512	0	77.6	50-110	2185	11.5	30	
Benzo(a)pyrene	2004	57	2512	0	79.8	50-110	2271	12.5	30	
Benzo(b)fluoranthene	1976	57	2512	0	78.7	45-115	2118	6.98	30	
Benzo(g,h,i)perylene	2231	57	2512	0	88.8	40-125	2526	12.4	30	
Benzo(k)fluoranthene	2077	57	2512	0	82.7	45-115	2513	19	30	
Chrysene	1900	57	2512	0	75.6	55-110	2158	12.8	30	
Dibenzo(a,h)anthracene	2305	57	2512	0	91.8	40-125	2596	11.9	30	
Fluoranthene	1935	57	2512	0	77.1	55-115	2191	12.4	30	
Fluorene	1886	57	2512	0	75.1	50-110	1886	0.0343	30	
Indeno(1,2,3-cd)pyrene	2262	57	2512	0	90.1	40-120	2583	13.2	30	
Naphthalene	1808	57	2512	0	72	40-105	1741	3.76	30	
Pyrene	1938	57	2512	0	77.2	45-125	2179	11.7	30	
<i>Surr: 2,4,6-Tribromophenol</i>	1996	0	3140	0	63.6	34-140	1983	0.658	40	
<i>Surr: 2-Fluorobiphenyl</i>	1473	0	3140	0	46.9	12-100	1198	20.6	40	
<i>Surr: 2-Fluorophenol</i>	1999	0	3140	0	63.7	33-117	1940	2.98	40	
<i>Surr: 4-Terphenyl-d14</i>	2152	0	3140	0	68.5	25-137	1913	11.7	40	
<i>Surr: Nitrobenzene-d5</i>	2092	0	3140	0	66.6	37-107	2003	4.34	40	
<i>Surr: Phenol-d6</i>	1883	0	3140	0	60	40-106	1863	1.09	40	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **R92087A** Instrument ID **VMS7** Method: **SW8260**

MBLK	Sample ID: VBLKW1-110712-R92087A				Units: µg/L		Analysis Date: 7/12/2011 11:21 AM			
Client ID:	Run ID: VMS7_110712A				SeqNo: 1674478		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	2.0								
Surr: 1,2-Dichloroethane-d4	98.46	0	100	0	98.5	70-120	0			
Surr: 4-Bromofluorobenzene	99.57	0	100	0	99.6	75-120	0			
Surr: Dibromofluoromethane	98.89	0	100	0	98.9	85-115	0			
Surr: Toluene-d8	99.98	0	100	0	100	85-120	0			

LCS	Sample ID: VLCSW1-110712-R92087A				Units: µg/L		Analysis Date: 7/12/2011 10:05 AM			
Client ID:	Run ID: VMS7_110712A				SeqNo: 1674476		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.7	1.0	20	0	108	80-120	0			
Ethylbenzene	22.9	1.0	20	0	114	75-125	0			
m,p-Xylene	45.87	2.0	40	0	115	75-130	0			
o-Xylene	21.58	1.0	20	0	108	80-120	0			
Toluene	21.31	1.0	20	0	107	75-120	0			
Xylenes, Total	67.45	2.0	60	0	112	75-130	0			
Surr: 1,2-Dichloroethane-d4	97.66	0	100	0	97.7	70-120	0			
Surr: 4-Bromofluorobenzene	96.71	0	100	0	96.7	75-120	0			
Surr: Dibromofluoromethane	100.4	0	100	0	100	85-115	0			
Surr: Toluene-d8	100.5	0	100	0	100	85-120	0			

LCSD	Sample ID: VLCSW1-110712-R92087A				Units: µg/L		Analysis Date: 7/12/2011 10:30 AM			
Client ID:	Run ID: VMS7_110712A				SeqNo: 1674477		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.96	1.0	20	0	99.8	80-120	21.7	8.35	30	
Ethylbenzene	21.14	1.0	20	0	106	75-125	22.9	7.99	30	
m,p-Xylene	42.25	2.0	40	0	106	75-130	45.87	8.22	30	
o-Xylene	19.97	1.0	20	0	99.8	80-120	21.58	7.75	30	
Toluene	19.67	1.0	20	0	98.4	75-120	21.31	8	30	
Xylenes, Total	62.22	2.0	60	0	104	75-130	67.45	8.07	30	
Surr: 1,2-Dichloroethane-d4	97.82	0	100	0	97.8	70-120	97.66	0.164	30	
Surr: 4-Bromofluorobenzene	99.46	0	100	0	99.5	75-120	96.71	2.8	30	
Surr: Dibromofluoromethane	99.98	0	100	0	100	85-115	100.4	0.459	30	
Surr: Toluene-d8	100.1	0	100	0	100	85-120	100.5	0.369	30	

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **R92087A** Instrument ID **VMS7** Method: **SW8260**

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **34316** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-34316-34316				Units: mg/Kg		Analysis Date: 7/13/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110713K				SeqNo: 1675796		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.48								

LCS	Sample ID: LCS-34316-34316				Units: mg/Kg		Analysis Date: 7/13/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110713K				SeqNo: 1675794		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.733	0.49	1.961	0	88.4	75-110	0			

LCSD	Sample ID: LCSD-34316-34316				Units: mg/Kg		Analysis Date: 7/13/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110713K				SeqNo: 1675795		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.835	0.49	1.961	0	93.6	75-110	1.733	5.71	20	

MS	Sample ID: 1107188-02A MS				Units: mg/Kg		Analysis Date: 7/13/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110713K				SeqNo: 1675786		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.661	0.50	1.992	0	83.4	60-130	0			

MSD	Sample ID: 1107188-02A MSD				Units: mg/Kg		Analysis Date: 7/13/2011 04:00 PM			
Client ID:	Run ID: WETCHEM_110713K				SeqNo: 1675787		Prep Date: 7/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.768	0.50	2	0	88.4	60-130	1.661	6.22	30	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **R92115** Instrument ID **WETCHEM** Method: **SW9045D**

DUP Sample ID: **1107221-01A DUP** Units: **s.u.** Analysis Date: **7/12/2011 08:15 AM**

Client ID: **Pit Bottom** Run ID: **WETCHEM_110712G** SeqNo: **1674491** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.95	0	0	0	0	0-0	8.94	0.112	20	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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

Client: HRL Compliance Solutions
Work Order: 1107221
Project: RL Bayless Weaver Ridge 13-9H West Half 10-475

QC BATCH REPORT

Batch ID: **R92146** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R92146				Units: % of sample			Analysis Date: 7/12/2011 03:00 PM		
Client ID:	Run ID: MOIST_110712A				SeqNo: 1675030			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-R92146				Units: % of sample			Analysis Date: 7/12/2011 03:00 PM		
Client ID:	Run ID: MOIST_110712A				SeqNo: 1675029			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: 1107219-01ADUP				Units: % of sample			Analysis Date: 7/12/2011 03:00 PM		
Client ID:	Run ID: MOIST_110712A				SeqNo: 1675010			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	73.84	0.050	0	0	0	0-0	72.62	1.67	20	

DUP	Sample ID: 1107238-01ADUP				Units: % of sample			Analysis Date: 7/12/2011 03:00 PM		
Client ID:	Run ID: MOIST_110712A				SeqNo: 1675018			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	9.71	0.050	0	0	0	0-0	9.23	5.07	20	

The following samples were analyzed in this batch:

1107221-01A	1107221-02A	1107221-03A
1107221-04A		

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
#

1107221

PROJECT NAME		RL Bayless Weaver Ridge 13-9H - West Half		SAMPLER		KRIS ROWE		DATE		7/11/2011		PAGE		1 of 1	
PROJECT No.		10-475		SITE ID				TURNAROUND		See Comments		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL COMPLIANCE SOLUTIONS Inc.		EDD FORMAT											
SEND REPORT TO		KRIS ROWE		PURCHASE ORDER											
ADDRESS		744 HORIZON CT SUITE 140		BILL TO COMPANY											
CITY / STATE / ZIP		GRAND JUNCTION CO 81506		INVOICE ATTN TO											
PHONE		970-243-3271		ADDRESS											
FAX		970-243-3280		CITY / STATE / ZIP											
E-MAIL		KROWE@HRLCOMP.COM		PHONE											
				FAX											
				E-MAIL											
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	BTEX	DRO	GRO	SEMI VOLS - PAH	910-1 TOTAL METALS	SAR / EC / pH		
01	Pit Bottom	SO	7/11/2011	11:00	2			X	X	X	X	X	X		
02	West Wall	SO	7/11/2011	12:15	2			X	X	X	X	X	X		
03	North Wall	SO	7/11/2011	12:30	2			X	X	X	X	X	X		
04	South Wall	SO	7/11/2011	13:00	2			X	X	X	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:	QC PACKAGE (check below)
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035	

SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Kris Rowe	7/11/2011	17:00
RECEIVED BY	Diane F. Shaw	7/12/11	0815
RELINQUISHED BY			
RECEIVED BY			
RELINQUISHED BY			
RECEIVED BY			



Environmental

Subcontractor:

A & L Great Lakes Agricultural La

3505 Conestoga Dr

Ft. Wayne, IN 46808

TEL: (260) 483-4759

FAX:

Acct #: 91000

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Date: 12-Jul-11COC ID: 2994Due Date: 13-Jul-11

7/18/11

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	1107221	A	Subcontracted Analyses (SUBCONTRACT)										
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		
1107221-01B (Pit Bottom)	Soil	11/Jul/2011 11:00	(1) MISC	X											
1107221-02B (West Wall)	Soil	11/Jul/2011 12:15	(1) MISC	X											
1107221-03B (North Wall)	Soil	11/Jul/2011 12:30	(1) MISC	X											
1107221-04B (South Wall)	Soil	11/Jul/2011 13:00	(1) MISC	X											

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

Relinquished by:

Date/Time

7/12/11

Received by:

Date/Time

Cooler IDs

Report/QC Level

Std

Relinquished by:

Date/Time

Received by:

Date/Time

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 12-Jul-11 08:15

Work Order: 1107221

Received by: DS

Checklist completed by Diane Shaw 12-Jul-11
eSignature Date

Reviewed by: Ann Preston 12-Jul-11
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>4.4 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:

CUSTODY SEAL

DATE

SIGNATURE

QEC

Quality Environmental Containers
800-255-3950 • 304-255-3900FedEx NEW Package
Express US AirbillFedEx
Tracking
Number

8757 1479 6928

1 From

Date

Sender's
Name

ALAN BUCHARDSON

Phone

978 247-1327

Company

HILL COMPLIANCE SOLUTIONS INC.

Address

744 HORIZON CT.

City

GRAND JCT

State

CT

ZIP 06196

2 Your Internal Billing Reference

3 To

Recipient's
Name

SAMPLE RECEIVING

Phone

616 399-1000

Company

ALS GROUP

Address

3392 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

WILKINSON

State

MA

ZIP

01902

HOLD Weekday
FedEx location address.
REQUIRED. NOT available for
FedEx First Overnight.☐HOLD Saturday
FedEx location address.
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.☐

8757 1479 6928

Room
ID No. 02770

Recipient's Copy

4 Express Package Service

*To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new
FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First OvernightEarliest next business morning delivery to select
locations. Friday shipments will be delivered on
Monday unless SATURDAY Delivery is selected.☒ FedEx Priority OvernightNext business morning. *Friday shipments will be
delivered on Monday unless SATURDAY Delivery
is selected.☐ FedEx Standard OvernightNext business afternoon.
Saturday Delivery NOT available.

2 or 3 Business Days

☐ NEW FedEx 2Day A.M.Second business morning.
Saturday Delivery NOT available.☐ FedEx 2DaySecond business afternoon. *Thursday shipments
will be delivered on Monday unless SATURDAY
Delivery is selected.☐ FedEx Express SaverThird business day.
Saturday Delivery NOT available.

5 Packaging

*Declared value limit \$500.

☐ FedEx Envelope*☐ FedEx Pak*☐ FedEx
Box☐ FedEx
Tube☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery

NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature RequiredPackage may be left without
obtaining a signature for delivery.☐ Direct SignatureSomeone at recipient's address
may sign for delivery. Fee applies.☐ Indirect SignatureIf no one is available at recipient's
address, someone at a neighboring
address may sign for delivery. For
residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No☐ YesAs per attached
Shipper's Declaration.☐ YesShipper's Declaration
not required.☐ Dry Ice

Dry Ice, 9 UN 1845

x kg

☐ Cargo Aircraft OnlyDangerous goods (including dry ice) cannot be shipped in FedEx packaging
or placed in a FedEx Express Drop Box.

7 Payment Bill to:

Sender
Acct. No. in Section
1 will be billed.☒ Recipient☐ Third Party☐ Credit CardObtain recip.
Acct. No. ☐☐ Cash/Check

Total Packages

Total Weight

Total Declared Value*

Credit Card Auth.

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

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fedex.com 1.800.GoFedEx 1.800.463.3339

Appendix 4: Background Samples Raw Analytical Data

ALS Environmental

Date: 03-Nov-10

Client: HRL Compliance Solutions Inc.
Project: Robert Bayless Weaver Ridge 13-9H
Sample ID: BKGD 1
Collection Date: 10/19/2010 11:30 AM

Work Order: 1010749
Lab ID: 1010749-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			Method: SW6020		Prep: SW3050A / 10/26/10		Analyst: SKS
Arsenic	7.29		0.053	0.442	mg/Kg	1	10/27/2010 03:18
MISCELLANEOUS ANALYSIS			Method: NA				Analyst: SUB
Miscellaneous Analysis	See Attached		0			1	11/3/2010

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

ALS Environmental

Date: 03-Nov-10

Client: HRL Compliance Solutions Inc.
Project: Robert Bayless Weaver Ridge 13-9H
Sample ID: BKGD 2
Collection Date: 10/19/2010 12:00 PM

Work Order: 1010749
Lab ID: 1010749-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			Method: SW6020		Prep: SW3050A / 10/26/10		Analyst: SKS
Arsenic	8.81		0.059	0.490	mg/Kg	1	10/27/2010 03:37

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

ALS Environmental

Date: 03-Nov-10

Client: HRL Compliance Solutions Inc.
Project: Robert Bayless Weaver Ridge 13-9H
Sample ID: BKGD 3
Collection Date: 10/19/2010 12:15 PM

Work Order: 1010749
Lab ID: 1010749-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			Method: SW6020			Prep: SW3050A / 10/26/10	Analyst: SKS
Arsenic	7.82		0.057	0.476	mg/Kg	1	10/27/2010 03:44

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

A diagram of a cell membrane. On the left, there are three green phospholipids with yellow heads and two tails each. On the right, there is a blue protein channel with a purple interior, representing a transport protein.

ALS LABORATORY GROUP
10450 STANCLIFF RD STE 210
HOUSTON TX 77099

www.olsenlab.com

DATE REPORTED: 11/02/2010

SUGGESTED FERTILIZER RECOMMENDATIONS

Appendix 5: Pit Liner Disposal Manifest

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. <i>CFSQG</i>		Manifest Document No. <i>081511</i>		2. Page 1 of	
3. Generator's Name and Mailing Address <i>RL Boyless PO Box 168 Farmington NM 87401</i>							
4. Generator's Phone <i>(505) 564-7810</i>				US DOT #			
5. Transporter 1 Company Name <i>Burger Construction</i>		6. US EPA ID Number <i>N/A</i>		A. State Transporter's ID			
7. Transporter 2 Company Name <i>134150</i>		8. US EPA ID Number		B. Transporter 1 Phone			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address <i>ECDC Environmental LLC 1111 West Highway 123 East Carbon UT 84520</i>		10. US EPA ID Number <i>UT 0200000000</i>		E. State Facility's ID			
				F. Facility's Phone <i>(435) 888-4451</i>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <i>Pit Liner From Drilling Pit Profile # 40411112601</i>				1 TRK		5 Yds ³	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <i>Waste meets 40 CFR 261.4(b)(5) 8-30-11 Weaver Ridge 13-9H well pad</i>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>In case of Emergency, Contact RL Boyless Production 505-564-7810</i>							
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 <i>Kris Roux</i>				Signature <i>[Signature]</i>		Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		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 <i>Linck Smith</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>8/20/11</i>	

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY