FORM 4
Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

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

SUNDRY NOTICE

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

1. OGCC Operator Number:	6720
2. Name of Operator:	Robert L. Bayless LLC
3. Address:	PO BOX 168
City: Farmington	State: NM Zip: 87499
4. Contact Name	Habib Guerrero
Phone:	505-564-7810
Fax:	505-326-6911
5. API Number	05- See Page 2
6. Well/Facility Name:	Philadelphia Creek
7. Well/Facility Number	N/A
8. Location (QtrQtr, Sec, Twp, Rng, Meridian):	See Page 2
9. County:	Rio Blanco
10. Field Name:	Philadelphia Creek
11. Federal, Indian or State Lease Number:	
OGCC Facility ID Number	N/A

Complete the Attachment Checklist

	OP	OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	
Other		

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

	FNL/FSL		FEL/FWL	
Change of **Surface** Footage **from** Exterior Section Lines:				
Change of **Surface** Footage **to** Exterior Section Lines:				
Change of **Bottomhole** Footage **from** Exterior Section Lines:				
Change of **Bottomhole** Footage **to** Exterior Section Lines:				

attach directional survey

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude | Distance to nearest property line | Distance to nearest bldg, public rd, utility or RR

Longitude | Distance to nearest lease line | Is location in a High Density Area (rule 603b)? Yes/No

Ground Elevation | Distance to nearest well same formation | Surface owner consultation date:

GPS DATA:
Date of Measurement | PDOP Reading | Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

☐ Remove from surface bond
Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):
Effective Date:
Plugging Bond: ☐ Blanket ☐ Individual

☐ CHANGE WELL NAME NUMBER
From:
To:
Effective Date:

☐ ABANDONED LOCATION:
Was location ever built? ☐ Yes ☐ No
Is site ready for Inspection? ☐ Yes ☐ No
Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS
Date well shut in or temporarily abandoned:
Has Production Equipment been removed from site? ☐ Yes ☐ No
MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:

☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

☐ 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

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately
☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent
Approximate Start Date:

☐ Report of Work Done
Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)	☐ Request to Vent or Flare	☐ E&P Waste Disposal
☐ Change Drilling Plans	☐ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Changed?	☐ Rule 502 variance requested	☐ Status Update/Change of Remediation Plans for Spills and Releases
☐ Casing/Cementing Program Change	☒ Other: Pit Closures	

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

Signed: Habib
Date: 1/4/2013 Email: hguerrero@rlbayless.com
Print Name: Habib Guerrero Title: Operation Engineer

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

1. OGCC Operator Number: 6720 API Number: See Below
2. Name of Operator: Robert L. Bayless LLC OGCC Facility ID # N/A
3. Well/Facility Name: Philadelphia Creek Well/Facility Number: N/A
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): See Below

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**

Robert L. Bayless (Bayless) is submitting this Sundry Notice Form 4 as notice of cloures for the pits listed below located in the Philadelphia Creek unit, in Rio Blanco County. By definition as outlined in COGCC Rule 903, these piggings/blow down pits do not require the necessary Form 15 permitting.

Samples have been collected from each of the pits listed from a depth of 0-12" below surface to be analyzed for COGCC Table 910-1. Analysis indicates that soils with the pits do not exceed standards setforth in COGCC Table 910-1. It was noted that these pigging/blowdown pits may have been construced in the early 1980's and were never put into use.

Bayless is requesting approval to backfill the pigging/blowdown pits listed below;

Philadelphia Creek # 30	API # 05-103-08376	Location: NESW, Sec 2, T2S, R101W , 6th PM
Philadelphia Creek # 36	API # 05-103-08422	Location: NWSE, Sec 36, T1S, R101W, 6th PM
Philadelphia Creek # 41	API # 05-103-08515	Location: NWSW, Sec 28, T1S, R101W, 6th PM
Philadephia Creek # 42	API # 05-103-08525	Location: NWNW, Sec 28, T1S, R101W, 6th PM
Philadephia Creek # 43	API # 05-103-08516	Location: SENE, Sec 28, T1S, R101W, 6th PM

Attached is the analyitcal results for each of the pits listed above.

Attachment 3: Philadelphia Creek #41 Analytical Results

06-Jul-2012

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

Re: **Bayless Pit Closure Philadelphia Creek #41 6/26/12** Work Order: **1206951**

Dear Kris,

ALS Environmental received 5 samples on 28-Jun-2012 09:00 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 32.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN331938

ALS Group USA, Corp

Date: 06-Jul-12

Client: HRL Compliance Solutions
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12
Work Order: **1206951**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1206951-01	Pit Bottom (BAY)	Soil		6/26/2012 11:40	6/28/2012 09:00	☐
1206951-02	Pit Bottom (ECT)	Soil		6/26/2012 11:45	6/28/2012 09:00	☐
1206951-03	BKGD 1	Soil		6/26/2012 11:50	6/28/2012 09:00	☐
1206951-04	BKGD 2	Soil		6/26/2012 11:55	6/28/2012 09:00	☐
1206951-05	BKGD 3	Soil		6/26/2012 12:00	6/28/2012 09:00	☐

ALS Group USA, Corp

Date: 06-Jul-12

Client: HRL Compliance Solutions
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12
Work Order: 1206951

Case Narrative

Batch 42093 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 42154 sample Pit Bottom (ECT) MS recovery for Hexavalent Chromium was below control limits. Both the MSD recovery and RPD met quality control criteria. No data requires qualification.

ALS Group USA, Corp

Date: 06-Jul-12

Client: HRL Compliance Solutions
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12
WorkOrder: **1206951**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte 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

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions

Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951

Sample ID: Pit Bottom (BAY) **Lab ID:** 1206951-01

Collection Date: 6/26/2012 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/2/2012**	Analyst: **CW**
DRO (C10-C28)	**18**		**4.3**	**mg/Kg-dry**	1	7/2/2012 08:40 PM
Surr: 4-Terphenyl-d14	*46.4*		*39-115*	*%REC*	1	7/2/2012 08:40 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **CW**
GRO (C6-C10)	ND		2.6	mg/Kg-dry	50	7/2/2012 01:07 PM
Surr: Toluene-d8	*111*		*50-150*	*%REC*	50	7/2/2012 01:07 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **6/29/2012**	Analyst: **LR**
Mercury	**0.11**		**0.019**	**mg/Kg-dry**	1	7/2/2012 12:16 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/2/2012**	Analyst: **ML**
Arsenic	**2.3**		**0.71**	**mg/Kg-dry**	2	7/3/2012 12:48 PM
Barium	**150**		**0.71**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Cadmium	**0.50**		**0.28**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Chromium	**12**		**0.71**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Copper	**7.1**		**0.71**	**mg/Kg-dry**	2	7/3/2012 12:48 PM
Lead	**8.3**		**0.71**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Nickel	**10**		**0.71**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Selenium	**0.99**		**0.71**	**mg/Kg-dry**	2	7/2/2012 07:57 PM
Silver	ND		0.71	mg/Kg-dry	2	7/2/2012 07:57 PM
Zinc	**41**		**1.4**	**mg/Kg-dry**	2	7/3/2012 12:48 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 7/5/12**			**as noted**	1	7/5/2012
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/2/2012**	Analyst: **HL**
Acenaphthene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Anthracene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	7/5/2012 04:33 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	7/5/2012 04:33 PM
Benzo(b)fluoranthene	ND		20	µg/Kg-dry	1	7/5/2012 04:33 PM
Benzo(g,h,i)perylene	ND		31	µg/Kg-dry	1	7/5/2012 04:33 PM
Benzo(k)fluoranthene	ND		31	µg/Kg-dry	1	7/5/2012 04:33 PM
Chrysene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Dibenzo(a,h)anthracene	ND		18	µg/Kg-dry	1	7/5/2012 04:33 PM
Fluoranthene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Fluorene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Indeno(1,2,3-cd)pyrene	ND		20	µg/Kg-dry	1	7/5/2012 04:33 PM
Naphthalene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Pyrene	ND		15	µg/Kg-dry	1	7/5/2012 04:33 PM
Surr: 2-Fluorobiphenyl	*63.0*		*12-100*	*%REC*	1	7/5/2012 04:33 PM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions

Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951

Sample ID: Pit Bottom (BAY) **Lab ID:** 1206951-01

Collection Date: 6/26/2012 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Terphenyl-d14	*92.8*		*25-137*	*%REC*	1	7/5/2012 04:33 PM
Surr: Nitrobenzene-d5	*60.9*		*37-107*	*%REC*	1	7/5/2012 04:33 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **6/29/2012**	Analyst: **BG**
Benzene	ND		31	µg/Kg-dry	1	7/3/2012 07:14 PM
Ethylbenzene	ND		31	µg/Kg-dry	1	7/3/2012 07:14 PM
m,p-Xylene	ND		62	µg/Kg-dry	1	7/3/2012 07:14 PM
o-Xylene	ND		31	µg/Kg-dry	1	7/3/2012 07:14 PM
Toluene	ND		31	µg/Kg-dry	1	7/3/2012 07:14 PM
Xylenes, Total	ND		93	µg/Kg-dry	1	7/3/2012 07:14 PM
Surr: 1,2-Dichloroethane-d4	*100*		*70-130*	*%REC*	1	7/3/2012 07:14 PM
Surr: 4-Bromofluorobenzene	*106*		*70-130*	*%REC*	1	7/3/2012 07:14 PM
Surr: Dibromofluoromethane	*101*		*70-130*	*%REC*	1	7/3/2012 07:14 PM
Surr: Toluene-d8	*104*		*70-130*	*%REC*	1	7/3/2012 07:14 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **MB**
Chromium, Trivalent	**12**		**0.52**	**mg/Kg-dry**	1	7/5/2012 05:30 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/2/2012**	Analyst: **MB**
Chromium, Hexavalent	ND		0.51	mg/Kg-dry	1	7/5/2012 03:00 PM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**3.2**		**0.050**	**% of sample**	1	6/28/2012 03:09 PM
PH			**SW9045D**			Analyst: **NZ**
pH	**9.30**			**s.u.**	1	6/29/2012 12:00 PM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions

Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951

Sample ID: Pit Bottom (ECT) **Lab ID:** 1206951-02

Collection Date: 6/26/2012 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/2/2012**	Analyst: **CW**
DRO (C10-C28)	**20**		**4.1**	**mg/Kg-dry**	1	7/2/2012 08:40 PM
Surr: 4-Terphenyl-d14	*47.8*		*39-115*	*%REC*	1	7/2/2012 08:40 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **CW**
GRO (C6-C10)	ND		2.6	mg/Kg-dry	50	7/2/2012 01:32 PM
Surr: Toluene-d8	*111*		*50-150*	*%REC*	50	7/2/2012 01:32 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **6/29/2012**	Analyst: **LR**
Mercury	**0.17**		**0.018**	**mg/Kg-dry**	1	7/2/2012 12:18 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/2/2012**	Analyst: **ML**
Arsenic	**3.1**		**0.66**	**mg/Kg-dry**	2	7/3/2012 01:00 PM
Barium	**260**		**1.3**	**mg/Kg-dry**	4	7/3/2012 12:54 PM
Cadmium	**0.72**		**0.27**	**mg/Kg-dry**	2	7/2/2012 08:03 PM
Chromium	**14**		**0.66**	**mg/Kg-dry**	2	7/2/2012 08:03 PM
Copper	**7.2**		**0.66**	**mg/Kg-dry**	2	7/3/2012 01:00 PM
Lead	**11**		**0.66**	**mg/Kg-dry**	2	7/2/2012 08:03 PM
Nickel	**18**		**0.66**	**mg/Kg-dry**	2	7/2/2012 08:03 PM
Selenium	**1.2**		**0.66**	**mg/Kg-dry**	2	7/2/2012 08:03 PM
Silver	ND		0.66	mg/Kg-dry	2	7/2/2012 08:03 PM
Zinc	**81**		**1.3**	**mg/Kg-dry**	2	7/3/2012 01:00 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 7/5/12**			**as noted**	1	7/5/2012
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/2/2012**	Analyst: **RM**
Acenaphthene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Anthracene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	7/3/2012 10:50 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	7/3/2012 10:50 PM
Benzo(b)fluoranthene	ND		20	µg/Kg-dry	1	7/3/2012 10:50 PM
Benzo(g,h,i)perylene	ND		30	µg/Kg-dry	1	7/3/2012 10:50 PM
Benzo(k)fluoranthene	ND		30	µg/Kg-dry	1	7/3/2012 10:50 PM
Chrysene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Dibenzo(a,h)anthracene	ND		18	µg/Kg-dry	1	7/3/2012 10:50 PM
Fluoranthene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Fluorene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Indeno(1,2,3-cd)pyrene	ND		20	µg/Kg-dry	1	7/3/2012 10:50 PM
Naphthalene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Pyrene	ND		15	µg/Kg-dry	1	7/3/2012 10:50 PM
Surr: 2-Fluorobiphenyl	*86.3*		*12-100*	*%REC*	1	7/3/2012 10:50 PM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951
Sample ID: Pit Bottom (ECT) **Lab ID:** 1206951-02
Collection Date: 6/26/2012 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Terphenyl-d14	*97.6*		*25-137*	*%REC*	1	7/3/2012 10:50 PM
Surr: Nitrobenzene-d5	*83.7*		*37-107*	*%REC*	1	7/3/2012 10:50 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **6/29/2012**	Analyst: **BG**
Benzene	ND		31	µg/Kg-dry	1	7/3/2012 07:40 PM
Ethylbenzene	ND		31	µg/Kg-dry	1	7/3/2012 07:40 PM
m,p-Xylene	ND		61	µg/Kg-dry	1	7/3/2012 07:40 PM
o-Xylene	ND		31	µg/Kg-dry	1	7/3/2012 07:40 PM
Toluene	ND		31	µg/Kg-dry	1	7/3/2012 07:40 PM
Xylenes, Total	ND		92	µg/Kg-dry	1	7/3/2012 07:40 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-130*	*%REC*	1	7/3/2012 07:40 PM
Surr: 4-Bromofluorobenzene	*102*		*70-130*	*%REC*	1	7/3/2012 07:40 PM
Surr: Dibromofluoromethane	*101*		*70-130*	*%REC*	1	7/3/2012 07:40 PM
Surr: Toluene-d8	*103*		*70-130*	*%REC*	1	7/3/2012 07:40 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **MB**
Chromium, Trivalent	**14**		**0.51**	**mg/Kg-dry**	1	7/5/2012 05:30 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/2/2012**	Analyst: **MB**
Chromium, Hexavalent	ND		0.51	mg/Kg-dry	1	7/5/2012 03:00 PM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**2.3**		**0.050**	**% of sample**	1	6/28/2012 03:09 PM
PH			**SW9045D**			Analyst: **NZ**
pH	**8.16**			**s.u.**	1	6/29/2012 12:00 PM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951
Sample ID: BKGD 1 **Lab ID:** 1206951-03
Collection Date: 6/26/2012 11:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/29/2012**	Analyst: **ML**
Arsenic	**2.8**		**0.80**	**mg/Kg-dry**	2	6/30/2012 07:08 AM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 7/5/12**			**as noted**	1	7/5/2012
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**1.3**		**0.050**	**% of sample**	1	6/28/2012 03:09 PM
PH			**SW9045D**			Analyst: **NZ**
pH	**7.84**			**s.u.**	1	6/29/2012 08:00 AM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions

Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951

Sample ID: BKGD 2 **Lab ID:** 1206951-04

Collection Date: 6/26/2012 11:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/29/2012**	Analyst: **ML**
Arsenic	**2.6**		**0.81**	**mg/Kg-dry**	2	6/30/2012 07:15 AM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**0.90**		**0.050**	**% of sample**	1	6/28/2012 03:09 PM

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

ALS Group USA, Corp

Date: *06-Jul-12*

Client: HRL Compliance Solutions

Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12 **Work Order:** 1206951

Sample ID: BKGD 3 **Lab ID:** 1206951-05

Collection Date: 6/26/2012 12:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/29/2012**	Analyst: **ML**
Arsenic	**2.8**		**0.78**	**mg/Kg-dry**	2	6/30/2012 07:21 AM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**0.82**		**0.050**	**% of sample**	1	6/28/2012 03:09 PM

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

Report Number: F12185-0127
Acount Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS

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

RE: PROJECT 1206951

DATE RECEIVED: 07/03/2012
DATE REPORTED: 07/05/2012
PAGE: 1
P.O. NUMBER: 20-1206951

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
55353	PITBOTTOMBAY	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	4.21	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	74	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	30	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	3940	ppm	USDA Handbook 60
		Sodium Adsorption Ratio (SAR)	97.3	-	USDA Handbook 60
55354	PITBOTTOMECT	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	1.82	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	423	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	78	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	109	ppm	USDA Handbook 60
		Sodium Adsorption Ratio (SAR)	1.3	-	USDA Handbook 60
55355	BKGD1	Sat'd Paste Extraction with DIW			USDA Handbook 60
		Conductivity (ECe)	0.63	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	72	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	17	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	157	ppm	USDA Handbook 60
		Sodium Adsorption Ratio (SAR)	4.3	-	USDA Handbook 60

Batch ID: **42088** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-42088-42088** Units: **mg/Kg** Analysis Date: **7/2/2012 04:57 PM**

Client ID: Run ID: **GC8_120702A** SeqNo: **2019693** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	*0.7887*	0	*1.667*	0	*47.3*	*39-115*	0			

LCS Sample ID: **DLCSS1-42088-42088** Units: **mg/Kg** Analysis Date: **7/2/2012 05:22 PM**

Client ID: Run ID: **GC8_120702A** SeqNo: **2019700** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	132	4.2	166.7	0	79.2	60-130	0			
Surr: 4-Terphenyl-d14	*0.8327*	0	*1.667*	0	*50*	*39-115*	0			

MS Sample ID: **12061026-01B MS** Units: **mg/Kg** Analysis Date: **7/2/2012 05:22 PM**

Client ID: Run ID: **GC8_120702A** SeqNo: **2019694** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	378.9	12	499.6	0	75.8	60-130	0			
Surr: 4-Terphenyl-d14	*2.1*	0	*4.996*	0	*42*	*39-115*	0			

MSD Sample ID: **12061026-01B MSD** Units: **mg/Kg** Analysis Date: **7/2/2012 05:47 PM**

Client ID: Run ID: **GC8_120702A** SeqNo: **2019701** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	424.1	12	493.2	0	86	60-130	378.9	11.3	30	
Surr: 4-Terphenyl-d14	*2.591*	0	*4.932*	0	*52.5*	*39-115*	2.1	*20.9*	*30*	

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **R106827** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-R106827-R106827** Units: **µg/L** Analysis Date: **7/2/2012 09:02 AM**
Client ID: Run ID: **GC9_120702A** SeqNo: **2018643** 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								
Surr: Toluene-d8	*100.8*	0	*100*	0	*101*	*70-130*	0			

LCS Sample ID: **LCS-R106827-R106827** Units: **µg/L** Analysis Date: **7/2/2012 08:37 AM**
Client ID: Run ID: **GC9_120702A** SeqNo: **2018642** 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)	25360	200	25000	0	101	70-130	0			
Surr: Toluene-d8	*101.4*	0	*100*	0	*101*	*70-130*	0			

MS Sample ID: **1206960-01A MS** Units: **µg/Kg** Analysis Date: **7/2/2012 05:39 PM**
Client ID: Run ID: **GC9_120702A** SeqNo: **2018663** 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)	1498000	2,500	1250000	0	120	70-130	0			
Surr: Toluene-d8	*4880*	0	*5000*	0	*97.6*	*50-150*	0			

MSD Sample ID: **1206960-01A MSD** Units: **µg/Kg** Analysis Date: **7/2/2012 06:04 PM**
Client ID: Run ID: **GC9_120702A** SeqNo: **2018664** 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)	1457000	2,500	1250000	0	117	70-130	1498000	2.78	30	
Surr: Toluene-d8	*4864*	0	*5000*	0	*97.3*	*50-150*	4880	*0.318*	*30*	

The following samples were analyzed in this batch: 1206951-01A 1206951-02A

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42058** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-42058-42058** Units: **mg/Kg** Analysis Date: **7/2/2012 12:11 PM**
Client ID: Run ID: **HG1_120702A** SeqNo: **2018214** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00125	0.020								J

LCS Sample ID: **LCS-42058-42058** Units: **mg/Kg** Analysis Date: **7/2/2012 12:14 PM**
Client ID: Run ID: **HG1_120702A** SeqNo: **2018215** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1832	0.020	0.1665	0	110	80-120	0			

MS Sample ID: **1206961-08BMS** Units: **mg/Kg** Analysis Date: **7/2/2012 02:06 PM**
Client ID: Run ID: **HG1_120702B** SeqNo: **2018261** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.146	0.015	0.1281	0.01968	98.6	75-125	0			

MSD Sample ID: **1206961-08BMSD** Units: **mg/Kg** Analysis Date: **7/2/2012 02:08 PM**
Client ID: Run ID: **HG1_120702B** SeqNo: **2018262** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1584	0.016	0.1361	0.01968	102	75-125	0.146	8.16	35	

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42062** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-42062-42062** Units: **mg/Kg** Analysis Date: **6/30/2012 04:22 AM**
Client ID: Run ID: **ICPMS1_120629A** SeqNo: **2017769** Prep Date: **6/29/2012** DF: **1**

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

LCS Sample ID: **LCS-42062-42062** Units: **mg/Kg** Analysis Date: **6/30/2012 04:28 AM**
Client ID: Run ID: **ICPMS1_120629A** SeqNo: **2017770** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.738	0.25	5	0	94.8	80-120	0			

MS Sample ID: **1206949-02AMS** Units: **mg/Kg** Analysis Date: **6/30/2012 06:07 AM**
Client ID: Run ID: **ICPMS1_120629A** SeqNo: **2017786** Prep Date: **6/29/2012** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.97	0.82	8.21	2.597	89.8	80-120	0			

MSD Sample ID: **1206949-02AMSD** Units: **mg/Kg** Analysis Date: **6/30/2012 06:13 AM**
Client ID: Run ID: **ICPMS1_120629A** SeqNo: **2017787** Prep Date: **6/29/2012** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.411	0.82	8.157	2.597	83.5	80-120	9.97	5.77	25	

The following samples were analyzed in this batch: 1206951-03A 1206951-04A 1206951-05A

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42093** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-42093-42093** Units: **mg/Kg** Analysis Date: **7/2/2012 05:30 PM**
Client ID: Run ID: **ICPMS1_120702A** SeqNo: **2018770** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.42								
Barium	ND	0.42								
Cadmium	ND	0.17								
Chromium	0.02696	0.42								J
Copper	0.05431	0.42								J
Lead	ND	0.42								
Nickel	0.02248	0.42								J
Selenium	ND	0.42								
Silver	ND	0.42								
Zinc	0.04978	0.83								J

LCS Sample ID: **LCS-42093-42093** Units: **mg/Kg** Analysis Date: **7/2/2012 05:36 PM**
Client ID: Run ID: **ICPMS1_120702A** SeqNo: **2018771** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.026	0.42	8.333	0	84.3	80-120	0			
Barium	7.698	0.42	8.333	0	92.4	80-120	0			
Cadmium	7.832	0.17	8.333	0	94	80-120	0			
Chromium	7.242	0.42	8.333	0	86.9	80-120	0			
Copper	7.121	0.42	8.333	0	85.4	80-120	0			
Lead	7.792	0.42	8.333	0	93.5	80-120	0			
Nickel	7.116	0.42	8.333	0	85.4	80-120	0			
Selenium	7.098	0.42	8.333	0	85.2	80-120	0			
Silver	7.332	0.42	8.333	0	88	80-120	0			
Zinc	7.415	0.83	8.333	0	89	80-120	0			

MS Sample ID: **1206950-01BMS** Units: **mg/Kg** Analysis Date: **7/2/2012 07:14 PM**
Client ID: Run ID: **ICPMS1_120702A** SeqNo: **2018787** Prep Date: **7/2/2012** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.338	0.68	6.821	4.891	65.2	80-120	0			S
Barium	191.1	0.68	6.821	225.9	-510	80-120	0			SO
Cadmium	6.147	0.27	6.821	0.4688	83.2	80-120	0			
Chromium	12.62	0.68	6.821	8.989	53.3	80-120	0			S
Copper	24.54	0.68	6.821	22.12	35.5	80-120	0			S
Lead	22.16	0.68	6.821	20.08	30.5	80-120	0			S
Nickel	18.51	0.68	6.821	14.81	54.3	80-120	0			S
Selenium	6.008	0.68	6.821	1.213	70.3	80-120	0			S
Silver	5.029	0.68	6.821	0.08706	72.4	80-120	0			S
Zinc	63.37	1.4	6.821	65.17	-26.3	80-120	0			SO

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42093** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1206950-01BMSD** Units: **mg/Kg** Analysis Date: **7/2/2012 07:20 PM**
Client ID: Run ID: **ICPMS1_120702A** SeqNo: **2018788** Prep Date: **7/2/2012** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.74	0.77	7.68	4.891	76.2	80-120	9.338	14	25	S
Barium	191.4	0.77	7.68	225.9	-449	80-120	191.1	0.139	25	SO
Cadmium	7.324	0.31	7.68	0.4688	89.3	80-120	6.147	17.5	25	
Chromium	14.58	0.77	7.68	8.989	72.8	80-120	12.62	14.4	25	S
Copper	25.41	0.77	7.68	22.12	42.8	80-120	24.54	3.46	25	S
Lead	22.3	0.77	7.68	20.08	29	80-120	22.16	0.669	25	S
Nickel	19.2	0.77	7.68	14.81	57.2	80-120	18.51	3.65	25	S
Selenium	7.061	0.77	7.68	1.213	76.1	80-120	6.008	16.1	25	S
Silver	6.022	0.77	7.68	0.08706	77.3	80-120	5.029	18	25	S
Zinc	68.56	1.5	7.68	65.17	44.1	80-120	63.37	7.86	25	SO

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42087** Instrument ID **SVMS4** Method: **SW8270**

MBLK Sample ID: **SBLKS1-42087-42087** Units: **µg/Kg** Analysis Date: **7/2/2012 07:26 PM**
Client ID: Run ID: **SVMS4_120702A** SeqNo: **2020303** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
Surr: 2-Fluorobiphenyl	*1220*	0	*1667*	0	*73.2*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1419*	0	*1667*	0	*85.2*	*25-137*	0			
Surr: Nitrobenzene-d5	*1277*	0	*1667*	0	*76.6*	*37-107*	0			

LCS Sample ID: **SLCSS1-42087-42087** Units: **µg/Kg** Analysis Date: **7/2/2012 05:08 PM**
Client ID: Run ID: **SVMS4_120702A** SeqNo: **2020299** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	571.7	30	666.7	0	85.7	45-110	0			
Anthracene	631	30	666.7	0	94.6	55-105	0			
Benzo(a)anthracene	603.7	30	666.7	0	90.5	50-110	0			
Benzo(a)pyrene	633.7	30	666.7	0	95	50-110	0			
Benzo(b)fluoranthene	641.7	30	666.7	0	96.2	45-115	0			
Benzo(g,h,i)perylene	710.7	30	666.7	0	107	40-125	0			
Benzo(k)fluoranthene	643.3	30	666.7	0	96.5	45-115	0			
Chrysene	662.3	30	666.7	0	99.3	55-110	0			
Dibenzo(a,h)anthracene	669	30	666.7	0	100	40-125	0			
Fluoranthene	626.7	30	666.7	0	94	55-115	0			
Fluorene	577	30	666.7	0	86.5	50-110	0			
Indeno(1,2,3-cd)pyrene	682.3	30	666.7	0	102	40-120	0			
Naphthalene	561.7	30	666.7	0	84.2	40-105	0			
Pyrene	629	30	666.7	0	94.3	45-125	0			
Surr: 2-Fluorobiphenyl	*1330*	0	*1667*	0	*79.8*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1325*	0	*1667*	0	*79.5*	*25-137*	0			
Surr: Nitrobenzene-d5	*1315*	0	*1667*	0	*78.9*	*37-107*	0			

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42087** Instrument ID **SVMS4** Method: **SW8270**

MS Sample ID: **12061026-01B MS** Units: **µg/Kg** Analysis Date: **7/2/2012 05:43 PM**
Client ID: Run ID: **SVMS4_120702A** SeqNo: **2020300** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1462	90	1990	0	73.4	45-110	0			
Anthracene	1740	90	1990	0	87.4	55-105	0			
Benzo(a)anthracene	1646	90	1990	0	82.7	50-110	0			
Benzo(a)pyrene	1728	90	1990	0	86.8	50-110	0			
Benzo(b)fluoranthene	1818	90	1990	0	91.3	45-115	0			
Benzo(g,h,i)perylene	1851	90	1990	0	93	40-125	0			
Benzo(k)fluoranthene	1705	90	1990	0	85.6	45-115	0			
Chrysene	1765	90	1990	0	88.7	55-110	0			
Dibenzo(a,h)anthracene	1749	90	1990	0	87.9	40-125	0			
Fluoranthene	1717	90	1990	0	86.2	55-115	0			
Fluorene	1573	90	1990	0	79	50-110	0			
Indeno(1,2,3-cd)pyrene	1771	90	1990	0	89	40-120	0			
Naphthalene	1238	90	1990	0	62.2	40-105	0			
Pyrene	1723	90	1990	0	86.5	45-125	0			
Surr: 2-Fluorobiphenyl	*3002*	0	*4976*	0	*60.3*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3645*	0	*4976*	0	*73.3*	*25-137*	0			
Surr: Nitrobenzene-d5	*2931*	0	*4976*	0	*58.9*	*37-107*	0			

MSD Sample ID: **12061026-01B MSD** Units: **µg/Kg** Analysis Date: **7/2/2012 06:17 PM**
Client ID: Run ID: **SVMS4_120702A** SeqNo: **2020301** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1418	86	1922	0	73.7	45-110	1462	3.07	30	
Anthracene	1604	86	1922	0	83.4	55-105	1740	8.16	30	
Benzo(a)anthracene	1527	86	1922	0	79.4	50-110	1646	7.49	30	
Benzo(a)pyrene	1600	86	1922	0	83.2	50-110	1728	7.65	30	
Benzo(b)fluoranthene	1683	86	1922	0	87.5	45-115	1818	7.73	30	
Benzo(g,h,i)perylene	1718	86	1922	0	89.4	40-125	1851	7.43	30	
Benzo(k)fluoranthene	1594	86	1922	0	82.9	45-115	1705	6.68	30	
Chrysene	1641	86	1922	0	85.3	55-110	1765	7.33	30	
Dibenzo(a,h)anthracene	1629	86	1922	0	84.7	40-125	1749	7.13	30	
Fluoranthene	1603	86	1922	0	83.4	55-115	1717	6.84	30	
Fluorene	1461	86	1922	0	76	50-110	1573	7.41	30	
Indeno(1,2,3-cd)pyrene	1648	86	1922	0	85.7	40-120	1771	7.2	30	
Naphthalene	1370	86	1922	0	71.3	40-105	1238	10.2	30	
Pyrene	1587	86	1922	0	82.5	45-125	1723	8.21	30	
Surr: 2-Fluorobiphenyl	*3198*	0	*4805*	0	*66.6*	*12-100*	3002	*6.33*	*40*	
Surr: 4-Terphenyl-d14	*3432*	0	*4805*	0	*71.4*	*25-137*	3645	*6.02*	*40*	
Surr: Nitrobenzene-d5	*3272*	0	*4805*	0	*68.1*	*37-107*	2931	*11*	*40*	

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42094** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **MBLK-42094-42094** Units: **µg/Kg** Analysis Date: **6/29/2012 08:27 PM**
Client ID: Run ID: **VMS7_120629B** SeqNo: **2017648** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*920.5*	0	*1000*	0	*92*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*921*	0	*1000*	0	*92.1*	*70-130*	0			
Surr: Dibromofluoromethane	*931.5*	0	*1000*	0	*93.2*	*70-130*	0			
Surr: Toluene-d8	*960.5*	0	*1000*	0	*96*	*70-130*	0			

MBLK Sample ID: **MBLK-42094-42094** Units: **µg/Kg** Analysis Date: **7/2/2012 01:30 PM**
Client ID: Run ID: **VMS8_120702A** SeqNo: **2018992** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1023*	0	*1000*	0	*102*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*964.5*	0	*1000*	0	*96.4*	*70-130*	0			
Surr: Dibromofluoromethane	*941*	0	*1000*	0	*94.1*	*70-130*	0			
Surr: Toluene-d8	*997.5*	0	*1000*	0	*99.8*	*70-130*	0			

MBLK Sample ID: **MBLK-42094-42094** Units: **µg/Kg** Analysis Date: **7/3/2012 03:54 PM**
Client ID: Run ID: **VMS7_120703A** SeqNo: **2020238** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1071*	0	*1000*	0	*107*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1047*	0	*1000*	0	*105*	*70-130*	0			
Surr: Dibromofluoromethane	*1026*	0	*1000*	0	*103*	*70-130*	0			
Surr: Toluene-d8	*1060*	0	*1000*	0	*106*	*70-130*	0			

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42094** Instrument ID **VMS7** Method: **SW8260**

MBLK Sample ID: **MBLK-42094-42094** Units: **µg/Kg** Analysis Date: **7/5/2012 04:24 PM**
Client ID: Run ID: **VMS5_120705A** SeqNo: **2021107** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*976.5*	0	*1000*	0	*97.6*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*968.5*	0	*1000*	0	*96.8*	*70-130*	0			
Surr: Dibromofluoromethane	*1018*	0	*1000*	0	*102*	*70-130*	0			
Surr: Toluene-d8	*962.5*	0	*1000*	0	*96.2*	*70-130*	0			

LCS Sample ID: **LCS-42094-42094** Units: **µg/Kg** Analysis Date: **6/29/2012 07:37 PM**
Client ID: Run ID: **VMS7_120629B** SeqNo: **2017647** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	948.5	30	1000	0	94.8	75-125	0			
Ethylbenzene	1018	30	1000	0	102	75-125	0			
m,p-Xylene	2035	60	2000	0	102	80-125	0			
o-Xylene	1019	30	1000	0	102	75-125	0			
Toluene	981	30	1000	0	98.1	70-125	0			
Xylenes, Total	3054	90	3000	0	102	75-125	0			
Surr: 1,2-Dichloroethane-d4	*874.5*	0	*1000*	0	*87.4*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*939*	0	*1000*	0	*93.9*	*70-130*	0			
Surr: Dibromofluoromethane	*918*	0	*1000*	0	*91.8*	*70-130*	0			
Surr: Toluene-d8	*954*	0	*1000*	0	*95.4*	*70-130*	0			

LCS Sample ID: **LCS-42094-42094** Units: **µg/Kg** Analysis Date: **7/2/2012 12:18 PM**
Client ID: Run ID: **VMS8_120702A** SeqNo: **2018991** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1018	30	1000	0	102	75-125	0			
Ethylbenzene	1028	30	1000	0	103	75-125	0			
m,p-Xylene	2039	60	2000	0	102	80-125	0			
o-Xylene	1013	30	1000	0	101	75-125	0			
Toluene	1027	30	1000	0	103	70-125	0			
Xylenes, Total	3052	90	3000	0	102	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1019*	0	*1000*	0	*102*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*990.5*	0	*1000*	0	*99*	*70-130*	0			
Surr: Dibromofluoromethane	*1018*	0	*1000*	0	*102*	*70-130*	0			
Surr: Toluene-d8	*1019*	0	*1000*	0	*102*	*70-130*	0			

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42094** Instrument ID **VMS7** Method: **SW8260**

LCS Sample ID: **LCS-42094-42094** Units: **µg/Kg** Analysis Date: **7/3/2012 02:38 PM**
Client ID: Run ID: **VMS7_120703A** SeqNo: **2020237** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1074	30	1000	0	107	75-125	0			
Ethylbenzene	1134	30	1000	0	113	75-125	0			
m,p-Xylene	2255	60	2000	0	113	80-125	0			
o-Xylene	1112	30	1000	0	111	75-125	0			
Toluene	1106	30	1000	0	111	70-125	0			
Xylenes, Total	3368	90	3000	0	112	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1027*	0	*1000*	0	*103*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1034*	0	*1000*	0	*103*	*70-130*	0			
Surr: Dibromofluoromethane	*1059*	0	*1000*	0	*106*	*70-130*	0			
Surr: Toluene-d8	*1074*	0	*1000*	0	*107*	*70-130*	0			

LCS Sample ID: **LCS-42094-42094** Units: **µg/Kg** Analysis Date: **7/5/2012 02:20 PM**
Client ID: Run ID: **VMS5_120705A** SeqNo: **2021106** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	950	30	1000	0	95	75-125	0			
Ethylbenzene	994	30	1000	0	99.4	75-125	0			
m,p-Xylene	1846	60	2000	0	92.3	80-125	0			
o-Xylene	912.5	30	1000	0	91.2	75-125	0			
Toluene	1001	30	1000	0	100	70-125	0			
Xylenes, Total	2758	90	3000	0	92	75-125	0			
Surr: 1,2-Dichloroethane-d4	*960*	0	*1000*	0	*96*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1012*	0	*1000*	0	*101*	*70-130*	0			
Surr: Dibromofluoromethane	*941*	0	*1000*	0	*94.1*	*70-130*	0			
Surr: Toluene-d8	*980.5*	0	*1000*	0	*98*	*70-130*	0			

MS Sample ID: **1206960-07A MS** Units: **µg/Kg** Analysis Date: **6/30/2012 04:48 AM**
Client ID: Run ID: **VMS7_120629B** SeqNo: **2018318** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	912	30	1000	0	91.2	75-125	0			
Ethylbenzene	977.5	30	1000	0	97.8	75-125	0			
m,p-Xylene	1936	60	2000	0	96.8	80-125	0			
o-Xylene	973.5	30	1000	0	97.4	75-125	0			
Toluene	936	30	1000	0	93.6	70-125	0			
Xylenes, Total	2909	90	3000	0	97	75-125	0			
Surr: 1,2-Dichloroethane-d4	*855*	0	*1000*	0	*85.5*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*935*	0	*1000*	0	*93.5*	*70-130*	0			
Surr: Dibromofluoromethane	*874.5*	0	*1000*	0	*87.4*	*70-130*	0			
Surr: Toluene-d8	*949.5*	0	*1000*	0	*95*	*70-130*	0			

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42094** Instrument ID **VMS7** Method: **SW8260**

MSD	Sample ID: **1206960-07A MSD**				Units: **µg/Kg**			Analysis Date: **6/30/2012 05:13 AM**		
Client ID:		Run ID: **VMS7_120629B**			SeqNo: **2018319**		Prep Date: **6/29/2012**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	898	30	1000	0	89.8	75-125	912	1.55	30	
Ethylbenzene	958.5	30	1000	0	95.8	75-125	977.5	1.96	30	
m,p-Xylene	1910	60	2000	0	95.5	80-125	1936	1.35	30	
o-Xylene	957.5	30	1000	0	95.8	75-125	973.5	1.66	30	
Toluene	927	30	1000	0	92.7	70-125	936	0.966	30	
Xylenes, Total	2867	90	3000	0	95.6	75-125	2909	1.45	30	
Surr: 1,2-Dichloroethane-d4	*815*	0	*1000*	0	*81.5*	*70-130*	855	*4.79*	*30*	
Surr: 4-Bromofluorobenzene	*935*	0	*1000*	0	*93.5*	*70-130*	935	*0*	*30*	
Surr: Dibromofluoromethane	*867.5*	0	*1000*	0	*86.8*	*70-130*	874.5	*0.804*	*30*	
Surr: Toluene-d8	*951.5*	0	*1000*	0	*95.2*	*70-130*	949.5	*0.21*	*30*	

The following samples were analyzed in this batch: 1206951-01A 1206951-02A

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **42154** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-42154-42154** Units: **mg/Kg** Analysis Date: **7/5/2012 03:00 PM**
Client ID: Run ID: **WETCHEM_120705E** SeqNo: **2020974** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.50								

LCS Sample ID: **LCS-42154-42154** Units: **mg/Kg** Analysis Date: **7/5/2012 03:00 PM**
Client ID: Run ID: **WETCHEM_120705E** SeqNo: **2020973** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.96	0.50	1.992	0	98.4	75-110	0			

MS Sample ID: **1206951-02B MS** Units: **mg/Kg** Analysis Date: **7/5/2012 03:00 PM**
Client ID: **Pit Bottom (ECT)** Run ID: **WETCHEM_120705E** SeqNo: **2020961** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.035	0.49	1.961	0	52.8	60-130	0			S

MSD Sample ID: **1206951-02B MSD** Units: **mg/Kg** Analysis Date: **7/5/2012 03:00 PM**
Client ID: **Pit Bottom (ECT)** Run ID: **WETCHEM_120705E** SeqNo: **2020962** Prep Date: **7/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.189	0.49	1.969	0	60.4	60-130	1.035	13.8	30	

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **R106729** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-R106729-R106729** Units: **s.u.** Analysis Date: **6/29/2012 08:00 AM**
Client ID: Run ID: **WETCHEM_120629B** SeqNo: **2016561** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.98	0	4.4	0	90.5	90-110	0			

DUP Sample ID: **1206951-03A DUP** Units: **s.u.** Analysis Date: **6/29/2012 08:00 AM**
Client ID: **BKGD 1** Run ID: **WETCHEM_120629B** SeqNo: **2016607** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.84	0	0	0	0	0-0	7.84	0	20	

DUP Sample ID: **1206960-01B DUP** Units: **s.u.** Analysis Date: **6/29/2012 08:00 AM**
Client ID: Run ID: **WETCHEM_120629B** SeqNo: **2016617** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	5.8	0	0	0	0	0-0	5.8	0	20	

The following samples were analyzed in this batch: 1206951-03A

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **R106734** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-R106734** Units: **% of sample** Analysis Date: **6/28/2012 03:09 PM**
Client ID: Run ID: **MOIST_120628C** SeqNo: **2016671** 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-R106734** Units: **% of sample** Analysis Date: **6/28/2012 03:09 PM**
Client ID: Run ID: **MOIST_120628C** SeqNo: **2016670** 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: **1206947-05ADUP** Units: **% of sample** Analysis Date: **6/28/2012 03:09 PM**
Client ID: Run ID: **MOIST_120628C** SeqNo: **2016626** 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	

DUP Sample ID: **1206950-05ADUP** Units: **% of sample** Analysis Date: **6/28/2012 03:09 PM**
Client ID: Run ID: **MOIST_120628C** SeqNo: **2016657** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	0.18	0.050	0	0	0	0-0	0.18	0	20	

The following samples were analyzed in this batch:

1206951-01B	1206951-02B	1206951-03A
1206951-04A	1206951-05A	

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

Client: HRL Compliance Solutions
Work Order: 1206951
Project: Bayless Pit Closure Philadelphia Creek #41 6/26/12

QC BATCH REPORT

Batch ID: **R106759** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-R106759-R106759** Units: **s.u.** Analysis Date: **6/29/2012 12:00 PM**
Client ID: Run ID: **WETCHEM_120629G** SeqNo: **2017222** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.99	0	4.4	0	90.7	90-110	0			

DUP Sample ID: **12061001-01A DUP** Units: **s.u.** Analysis Date: **6/29/2012 12:00 PM**
Client ID: Run ID: **WETCHEM_120629G** SeqNo: **2017462** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	10.81	0	0	0	0	0-0	10.81	0	20	

The following samples were analyzed in this batch: 1206951-01B 1206951-02B

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

ALS Laboratory Group

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

Chain-of-Custody

Form 202r8

WORKORDER #: 1206951

PROJECT NAME:	Bayless Pit Closure Philadelphia Creek # 41	SAMPLER:	Luke Miley	DATE:	6/27/2012	PAGE:	1 of 1
PROJECT No:		SITE ID:		TURNAROUND:	Standard 5 Day	DISPOSAL:	By Lab or Return to Client
		EDD FORMAT:					
COMPANY NAME:	HRL Compliance Solutions, Inc.	PURCHASE ORDER:					
SEND REPORT TO:	Kris Rowe	BILL TO COMPANY:					
ADDRESS:	744 Horizon Ct. Suite 140	INVOICE ATTN TO:					
CITY / STATE / ZIP:	Grand Junction, CO. 81506	ADDRESS:					
PHONE:	970-243-3271	CITY / STATE / ZIP:					
FAX:	970-243-3280	PHONE:					
E-MAIL:	Krowe@hrlcomp.com	FAX:					
		E-MAIL:					

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	TABLE 910-1	Arsenic	SAR, EC, pH	
1	Pit Bottom (BAY)	S	6/26/2012	1140	3	4°c		x			
2	Pit Bottom (ETC)	S	6/26/2012	1145	3	4°c		x			
3	BKGD 1	S	6/26/2012	1150	2	4°c			x	x	
4	BKGD 2	S	6/26/2012	1155	1	4°c			x		
5	BKGD 3	S	6/26/2012	1200	1	4°c			x		

DRO/GRO/BTEX, PAH, Metals, pH, TCLP, SAR/EC

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

For metals or anions, please detail analytes below.

Comments:	QC PACKAGE (Check Below)	
	x	LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)
4.0-5.4°c		

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Luke Miley	6/27/2012	1700
RECEIVED BY		Diane F Shaw	6/28/12	0900
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental

Subcontractor:
A & L Great Lakes Agricultural La
3505 Conestoga Dr
Ft. Wayne, IN 46808
TEL: (260) 483-4759
FAX: (260) 483-5274
Acct #: 91000

Salesperson **Bruce Schlatter**

CHAIN-OF-CUSTODY RECORD

Date: 28-Jun-12
COC ID: 3733
Due D 05-Jul-12

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	1206951	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	

ALS Sample ID	Client Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J
1206951-01C	Pit Bottom (BAY)	Soil	26/Jun/2012 11:40	(1) MISC	X									
1206951-02C	Pit Bottom (ECT)	Soil	26/Jun/2012 11:45	(1) MISC	X									
1206951-03B	BKGD 1	Soil	26/Jun/2012 11:50	(1) MISC	X									

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

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
[signature]	6/29/12	FedEx			Std
Relinquished by:	Date/Time	Received by:	Date/Time		

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **28-Jun-12 09:00**

Work Order: **1206951** Received by: **DS**

Checklist completed by Diane Shaw eSignature 28-Jun-12 Date Reviewed by: Ann Preston eSignature 28-Jun-12 Date

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.0-5.4 c		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

4.0 - 5.4 c.

CUSTODY SEAL
DATE 6/12
SIGN.

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

FedEx Express US Airbill 8001 2142 0359

0200 Form ID No.

FedEx Retrieval Copy

1 From
Date 6/25/12
Sender's Name [illegible] Phone 720 343-7557
Company [illegible]
Address 744 Horizon Ct Ste 140
Dept/Floor/Suite/Room
City Grand Junction State CO ZIP 81506

2 Your Internal Billing Reference

3 To
Recipient's Name Sample Recovery Phone 616 399-6070
Company ALS Group
Address 3312 128th Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept/Floor/Suite/Room
Address
Use this line for the HOLD location address or for continuation of your shipping address
City Holland State MI ZIP 49424

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight. 01
HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. 31

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
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 X 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.

2nd Business Day
49 NEW FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.
03 FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.
06 FedEx Envelope* 02 FedEx Pak* 03 FedEx Box 04 FedEx Tube 01 X Other

6 Special Handling and Delivery Signature Options
03 SATURDAY DELIVERY
X 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. Not available in residential delivery areas. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.
X No 04 Yes As per attached Shipper's Declaration 06 Yes Shipper's Declaration not required 06 Dry Ice Dry Ice, 9, UN 1845 kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.
Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.
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 60 lbs Total Declared Value* Credit Card Auth.
*Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

612

8001 2142 0359

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