



18-Apr-2014

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

Re: **Ursa Burckle Cuttings Staging Area 4.10.14**

Work Order: **1404615**

Dear Kris,

ALS Environmental received 5 samples on 11-Apr-2014 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 19.

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

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

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

Environmental 

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**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Work Order:** 1404615

## 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>
1404615-01	BKGD 1	Soil		4/10/2014 13:00	4/11/2014 10:00	<input type="checkbox"/>
1404615-02	BKGD 2	Soil		4/10/2014 13:05	4/11/2014 10:00	<input type="checkbox"/>
1404615-03	BKGD 3	Soil		4/10/2014 13:10	4/11/2014 10:00	<input type="checkbox"/>
1404615-04	BKGD 4	Soil		4/10/2014 13:15	4/11/2014 10:00	<input type="checkbox"/>
1404615-05	BKGD 5	Soil		4/10/2014 13:20	4/11/2014 10:00	<input type="checkbox"/>

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

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

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

**ALS Group USA, Corp****Date:** 18-Apr-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Sample ID:** BKGD 1  
**Collection Date:** 4/10/2014 01:00 PM

**Work Order:** 1404615  
**Lab ID:** 1404615-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW6020A</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Calcium	85		10	mg/L	20	4/16/2014 10:22 PM
Magnesium	8.6		4.0	mg/L	20	4/16/2014 10:22 PM
Sodium	25		4.0	mg/L	20	4/16/2014 10:22 PM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Sodium Adsorption Ratio	0.70		0.010	none	1	4/17/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	0.57		0.050	mmhos/cm @25	10	4/15/2014 02:30 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 4/14/14	Analyst: <b>AT</b>
pH	7.8			s.u.	1	4/14/2014 05:00 PM

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

# ALS Group USA, Corp

Date: 18-Apr-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Sample ID:** BKGD 2  
**Collection Date:** 4/10/2014 01:05 PM

**Work Order:** 1404615  
**Lab ID:** 1404615-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 4/14/14	Analyst: <b>ML</b>
Arsenic	6.0		2.2	mg/Kg-dry	5	4/16/2014 01:11 AM
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW6020A</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Calcium	47		10	mg/L	20	4/16/2014 11:58 PM
Magnesium	8.4		4.0	mg/L	20	4/16/2014 11:58 PM
Sodium	56		4.0	mg/L	20	4/16/2014 11:58 PM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Sodium Adsorption Ratio	2.0		0.010	none	1	4/17/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	0.54		0.050	mmhos/cm @25	10	4/15/2014 02:30 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
Moisture	5.2		0.050	% of sample	1	4/11/2014 06:07 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 4/17/14	Analyst: <b>KF</b>
pH	8.4			s.u.	1	4/17/2014 11:35 AM

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

**ALS Group USA, Corp**

Date: 18-Apr-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Sample ID:** BKGD 3  
**Collection Date:** 4/10/2014 01:10 PM

**Work Order:** 1404615  
**Lab ID:** 1404615-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW6020A</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Calcium	93		10	mg/L	20	4/17/2014 12:04 AM
Magnesium	11		4.0	mg/L	20	4/17/2014 12:04 AM
Sodium	23		4.0	mg/L	20	4/17/2014 12:04 AM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Sodium Adsorption Ratio	0.60		0.010	none	1	4/17/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	0.68		0.050	mmhos/cm @25	10	4/15/2014 02:30 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 4/14/14	Analyst: <b>AT</b>
pH	8.2			s.u.	1	4/14/2014 05:00 PM

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

# ALS Group USA, Corp

Date: 18-Apr-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Sample ID:** BKGD 4  
**Collection Date:** 4/10/2014 01:15 PM

**Work Order:** 1404615  
**Lab ID:** 1404615-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 4/14/14	Analyst: <b>ML</b>
Arsenic	3.6		1.7	mg/Kg-dry	5	4/16/2014 05:00 AM
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW6020A</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Calcium	ND		10	mg/L	20	4/17/2014 12:10 AM
Magnesium	ND		4.0	mg/L	20	4/17/2014 12:10 AM
Sodium	300		4.0	mg/L	20	4/17/2014 12:10 AM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Sodium Adsorption Ratio	30		0.010	none	1	4/17/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	1.5		0.050	mmhos/cm @25	10	4/15/2014 02:30 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
Moisture	2.0		0.050	% of sample	1	4/11/2014 06:07 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 4/17/14	Analyst: <b>KF</b>
pH	10			s.u.	1	4/17/2014 12:10 PM

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

**ALS Group USA, Corp**

Date: 18-Apr-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14  
**Sample ID:** BKGD 5  
**Collection Date:** 4/10/2014 01:20 PM

**Work Order:** 1404615  
**Lab ID:** 1404615-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW6020A</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Calcium	28		10	mg/L	20	4/17/2014 12:15 AM
Magnesium	5.8		4.0	mg/L	20	4/17/2014 12:15 AM
Sodium	13		4.0	mg/L	20	4/17/2014 12:15 AM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>RH</b>
Sodium Adsorption Ratio	0.58		0.010	none	1	4/17/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 4/15/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	0.26		0.050	mmhos/cm @25	10	4/15/2014 02:30 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 4/14/14	Analyst: <b>AT</b>
pH	8.3			s.u.	1	4/14/2014 05:00 PM

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

# ALS Group USA, Corp

Date: 18-Apr-14

**Client:** HRL Compliance Solutions, Inc

**Work Order:** 1404615

**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57495**

Instrument ID **ICPMS2**

Method: **SW6020A**

DUP		Sample ID: <b>1404615-05ADUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>4/17/2014 12:21 AM</b>		
Client ID: <b>BKGD 5</b>		Run ID: <b>ICPMS2_140416A</b>				SeqNo: <b>2717451</b>		Prep Date: <b>4/15/2014</b>		DF: <b>20</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	34.7	10	0	0	0	0-0	27.94	21.6		
Magnesium	7.066	4.0	0	0	0	0-0	5.788	19.9		
Sodium	11.49	4.0	0	0	0	0-0	12.94	11.9		

DUP		Sample ID: <b>1404615-05ADUP</b>				Units: <b>none</b>		Analysis Date: <b>4/17/2014</b>		
Client ID: <b>BKGD 5</b>		Run ID: <b>SAR_140417A</b>				SeqNo: <b>2719985</b>		Prep Date: <b>4/15/2014</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.4646	0.010	0	0	0		0.5818	22.4	50	

The following samples were analyzed in this batch:

1404615-01A	1404615-02A	1404615-03A
1404615-04A	1404615-05A	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57539**      Instrument ID **ICPMS1**      Method: **SW6020A**

MBLK		Sample ID: MBLK-57539-57539				Units: mg/Kg		Analysis Date: 4/15/2014 08:10 PM		
Client ID:		Run ID: ICPMS1_140415A			SeqNo: 2715018		Prep Date: 4/14/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      ND      0.25

LCS		Sample ID: LCS-57539-57539				Units: mg/Kg		Analysis Date: 4/15/2014 08:35 PM		
Client ID:		Run ID: ICPMS1_140415A			SeqNo: 2715022		Prep Date: 4/14/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      4.425      0.25      5      0      88.5      80-120      0

MS		Sample ID: 1404590-08AMS					Units: mg/Kg		Analysis Date: 4/15/2014 08:53 PM		
Client ID:			Run ID: ICPMS1_140415A			SeqNo: 2715025		Prep Date: 4/14/2014		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Arsenic      7.71      1.6      6.369      1.077      104      75-125      0

MSD		Sample ID: 1404590-08AMSD					Units: mg/Kg		Analysis Date: 4/15/2014 08:59 PM		
Client ID:			Run ID: ICPMS1_140415A			SeqNo: 2715026		Prep Date: 4/14/2014		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Arsenic      7.398      1.6      6.562      1.077      96.3      75-125      7.71      4.13      25

The following samples were analyzed in this batch:

1404615-02B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57544**      Instrument ID **ICPMS1**      Method: **SW6020A**

MBLK		Sample ID: MBLK-57544-57544				Units: mg/Kg		Analysis Date: 4/16/2014 01:17 AM		
Client ID:		Run ID: ICPMS1_140415A				SeqNo: 2715066		Prep Date: 4/14/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      ND      0.25

LCS		Sample ID: LCS-57544-57544					Units: mg/Kg		Analysis Date: 4/16/2014 01:23 AM		
Client ID:			Run ID: ICPMS1_140415A			SeqNo: 2715067		Prep Date: 4/14/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Arsenic      4.294      0.25      5      0      85.9      80-120      0

MS		Sample ID: 1404595-01AMS					Units: mg/Kg		Analysis Date: 4/16/2014 01:52 AM		
Client ID:			Run ID: ICPMS1_140415A			SeqNo: 2715072		Prep Date: 4/14/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Arsenic      7.268      0.39      7.74      0.4156      88.5      75-125      0

MSD		Sample ID: 1404595-01AMSD					Units: mg/Kg		Analysis Date: 4/16/2014 01:58 AM		
Client ID:			Run ID: ICPMS1_140415A			SeqNo: 2715073		Prep Date: 4/14/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Arsenic      7.335      0.39      7.812      0.4156      88.6      75-125      7.268      0.922      25

The following samples were analyzed in this batch:

1404615-04B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57495** Instrument ID **WETCHEM** Method: **USDA H60 Method**

<b>DUP</b>		Sample ID: <b>1404615-05A DUP</b>				Units: <b>mmhos/cm @25°C</b>		Analysis Date: <b>4/15/2014 02:30 PM</b>		
Client ID: <b>BKGD 5</b>		Run ID: <b>WETCHEM_140415J</b>				SeqNo: <b>2713881</b>		Prep Date: <b>4/15/2014</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.254	0.050	0	0	0		0.26	2.33	50	

The following samples were analyzed in this batch:

1404615-01A	1404615-02A	1404615-03A
1404615-04A	1404615-05A	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57529**      Instrument ID **WETCHEM**      Method: **SW9045D**

LCS					Sample ID: LCS-57529-57529					Units: s.u.			Analysis Date: 4/14/2014 05:00 PM				
Client ID:					Run ID: WETCHEM_140414H					SeqNo: 2712169			Prep Date: 4/14/2014			DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC		Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH					3.91		0	4	0	97.8		90-110	0				

DUP					Sample ID: 1404598-01B DUP					Units: s.u.		Analysis Date: 4/14/2014 05:00 PM		
Client ID:			Run ID: WETCHEM_140414H			SeqNo: 2712172			Prep Date: 4/14/2014			DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		8.32	0	0	0	0	0-0	8.39	0.838	20				

DUP					Sample ID: 1404615-01A DUP					Units: s.u.		Analysis Date: 4/14/2014 05:00 PM			
Client ID: BKGD 1					Run ID: WETCHEM_140414H					SeqNo: 2712178		Prep Date: 4/14/2014		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
pH		7.81	0	0	0	0	0-0	7.76	0.642	20					

The following samples were analyzed in this batch:

1404615-01A	1404615-03A	1404615-05A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57689** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-57689-57689					Units: s.u.		Analysis Date: 4/17/2014 11:35 AM		
Client ID:			Run ID: WETCHEM_140417D			SeqNo: 2718550		Prep Date: 4/17/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

pH 4.04 0 4 0 101 90-110 0

DUP		Sample ID: 1404615-02B DUP				Units: s.u.		Analysis Date: 4/17/2014 11:35 AM		
Client ID: BKGD 2		Run ID: WETCHEM_140417D				SeqNo: 2718552		Prep Date: 4/17/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 8.35 0 0 0 0 0-0 8.44 1.07 20

DUP		Sample ID: 1404811-01B DUP					Units: s.u.		Analysis Date: 4/17/2014 11:35 AM		
Client ID:			Run ID: WETCHEM_140417D			SeqNo: 2718561		Prep Date: 4/17/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

pH 8.19 0 0 0 0 0-0 8.08 1.35 20

The following samples were analyzed in this batch:

1404615-02B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **57690**      Instrument ID **WETCHEM**      Method: **SW9045D**

LCS					Sample ID: LCS-57690-57690					Units: s.u.			Analysis Date: 4/17/2014 12:10 PM				
Client ID:					Run ID: WETCHEM_140417E					SeqNo: 2718576			Prep Date: 4/17/2014			DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC		Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH					4.04		0	4	0	101		90-110	0				

DUP					Sample ID: 1404733-09C DUP					Units: s.u.			Analysis Date: 4/17/2014 12:10 PM		
Client ID:				Run ID: WETCHEM_140417E				SeqNo: 2718584			Prep Date: 4/17/2014			DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
pH		8.15	0	0	0	0	0-0	8.12	0.369	20					

The following samples were analyzed in this batch:

1404615-04B

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1404615  
**Project:** Ursa Burckle Cuttings Staging Area 4.10.14

## QC BATCH REPORT

Batch ID: **R138845**      Instrument ID **MOIST**      Method: **A2540 G**

MBLK		Sample ID: WBLKS-R138845					Units: % of sample		Analysis Date: 4/11/2014 06:07 PM		
Client ID:		Run ID: MOIST_140411E			SeqNo: 2711090		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-R138845				Units: % of sample		Analysis Date: 4/11/2014 06:07 PM		
Client ID:		Run ID: MOIST_140411E				SeqNo: 2711089		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: 1404577-01B DUP				Units: % of sample			Analysis Date: 4/11/2014 06:07 PM			
Client ID:				Run ID: MOIST_140411E				SeqNo: 2711071			Prep Date:		DF: 1	
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture      10.43      0.050      0      0      0      0-0      10.79      3.39      20

DUP		Sample ID: 1404603-30A DUP					Units: % of sample		Analysis Date: 4/11/2014 06:07 PM		
Client ID:			Run ID: MOIST_140411E			SeqNo: 2711080		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture      19.9      0.050      0      0      0      0-0      20.03      0.651      20

The following samples were analyzed in this batch:

1404615-01A	1404615-02B	1404615-03A
1404615-04B	1404615-05A	

**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 #

1404615

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME

Urca-Burckle Cuttings Staging Area

SAMPLER

Kris Rowe

DATE

4/10/14

TURNAROUND

STD

SITE ID

EDD FORMAT

PURCHASE ORDER

COMPANY NAME

HRL COMPLIANCE SOLUTIONS Inc.

BILL TO COMPANY

HRL

SEND REPORT TO

Kris Rowe

INVOICE ATTN TO

ADDRESS

2385 F 1/2 RD

ADDRESS

CITY / STATE / ZIP

GRAND JUNCTION CO 81505

CITY / STATE / ZIP

PHONE

970-243-3271

PHONE

FAX

970-243-3280

FAX

E-MAIL

krowe@hrlcomp.com

E-MAIL

Lab ID

Field ID

Matrix

Sample Date

Sample Time

# Bottles

Pres.

QC

1

BKGD 1

S

4/10/14

1306

1

X

2

BKGD 2

S

1

1305

2

X

3

BKGD 3

S

1

1310

1

X

4

BKGD 4

S

1

1315

2

X

5

BKGD 5

S

1

1320

1

X

SAR/EL/PH  
Arsenic

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

For metals or anions, please detail analytes below.

Comments:

5.0°C

QC PACKAGE (check below)

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

RECEIVED BY

RELINQUISHED BY

RECEIVED BY

RELINQUISHED BY

RECEIVED BY

Kris Rowe

N.M.

N.M.

Diane F. Shaw

4/10/14

4-10-14

4-10-14

4/11/14

1430

1430

1500

1000

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 11-Apr-14 10:00

Work Order: 1404615

Received by: DS

Checklist completed by Diane Shaw 11-Apr-14  
eSignature Date

Reviewed by: Ann Preston 14-Apr-14  
eSignature Date

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>5.0 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>4/11/2014 2:48:59 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

From: (816) 399-6070  
Sample Receiving  
ALS Laboratory Group  
3352 128th Avenue  
Holland, MI 49424

Origin ID: GRRA



Ship Date: 10APR14  
Acct# 78818  
CAD: 22549444NE13490

Dim: 14 X 28 X 15 IN

SHIP TO: (816) 399-6070  
sample receiving  
ALS Laboratory Group  
3352 128TH AVE

BILL SENDER

HOLLAND, MI 49424

Delivery Address Bar Code



Ref # 041014-2  
Invoice #  
PO #  
Dept #

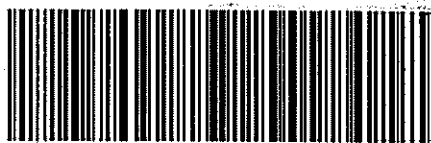
FRI - 11 APR AA  
STANDARD OVERNIGHT

TRK# 7885 1606 9200

EW1

**68 GRRA**

49424  
MI-UN  
GRR



522047000P200

/templates/components/dotcom\_label\_contents/FoldInst/en/Folding\_instructions.html loading...  
/templates/components/dotcom\_label\_contents/Warnings/OriginalLabel/en/Folding\_warning.html loading...  
/templates/components/dotcom\_label\_contents/TrCDom/us/ervTC\_dom.html loading...

ALS Parachute Custody Seal  
Name: \_\_\_\_\_  
Date: 4/10/14  
Time: 11:00 AM

*Handwritten signature: L. J. B.*