

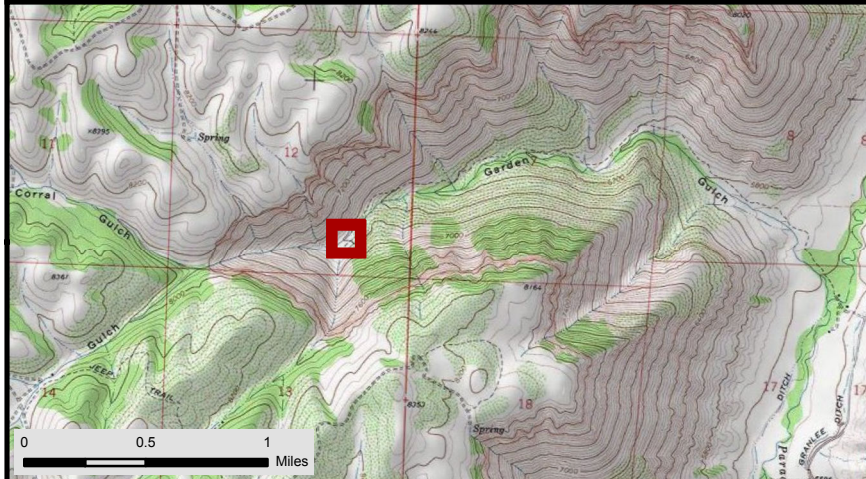
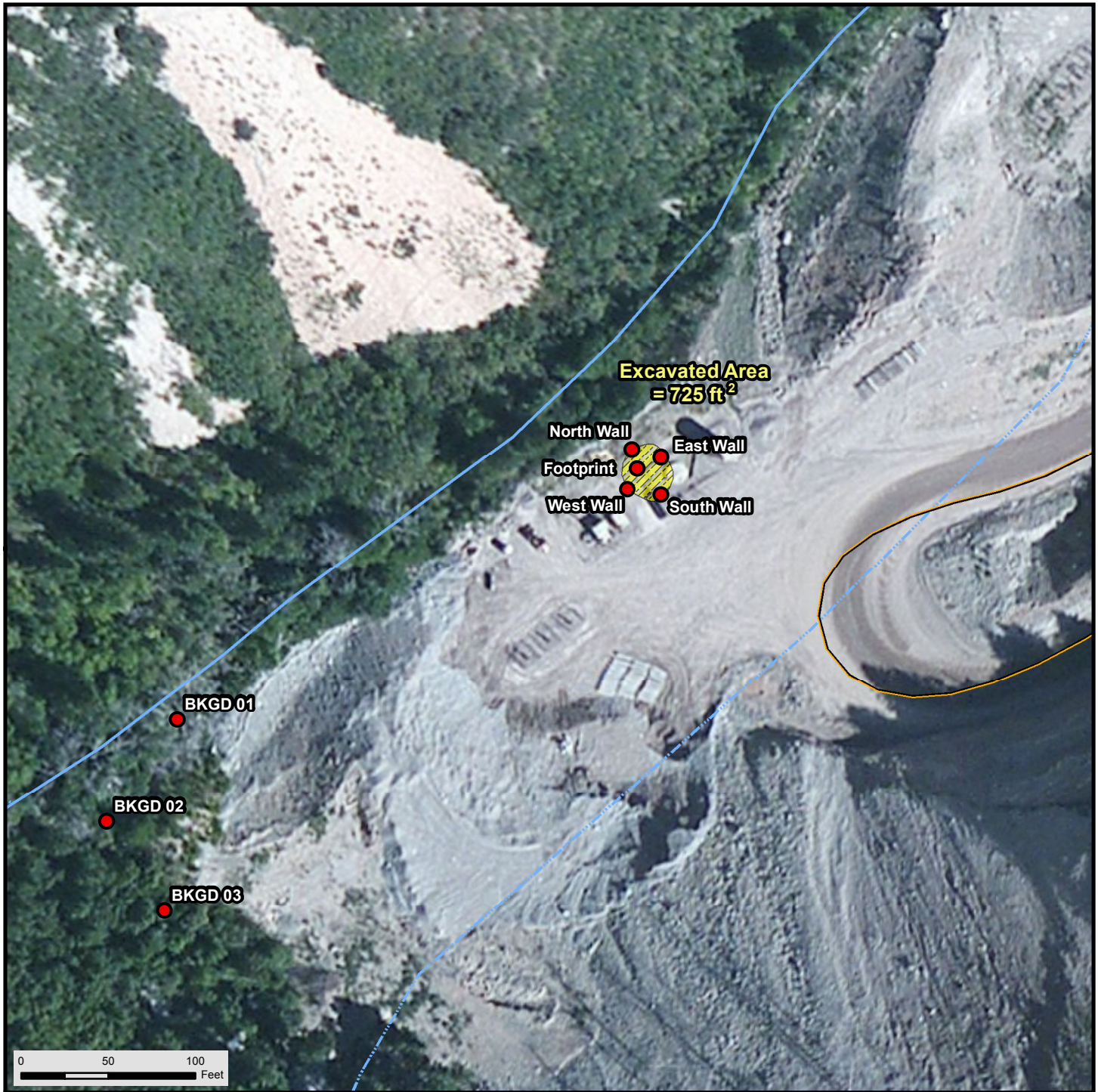
**Garden Gulch 6 (Chevron/Texaco 24C-12D) (Location ID 335774)**  
**Partially Buried Vessel Removal (Non-Facility ID 435781)**  
**Form 4 (Notice of Completion)**  
**Narrative Attachment**  
**Document Date – 3/17/2015**

This Form 4 (Notice of Completion) was prepared for the purpose of describing completed work associated with the assessment of soil during the removal of a partially buried vessel (PBV) (Non-Facility ID 435781) at the Garden Gulch 6 (Chevron/Texaco 24C-12D) pad location (Location ID 335774) in the Caerus Piceance, LLC (Caerus) area of operations. This assessment was conducted using procedures approved under COGCC Remediation #8164. A Sample Location Map is included as an attachment to this form.

Upon removing the PBV from the ground, field screen readings from around and below the tank indicated an absence of measureable hydrocarbon levels. Therefore, no soil was removed from beneath the PBV. The void left by the tank removal was backfilled.

On September 2, 2014, confirmation soil samples were collected from the soil around and beneath the removed PBV (North Wall, 5', Footprint, 9.5', West Wall, 5', East Wall, 5', and South Wall, 5'). Soil samples were submitted for laboratory analysis of all COGCC Table 910-1 analytes. Analytical results indicate all soil samples were in compliance with COGCC Table 910-1 Concentration Levels for all analytes, were within background concentrations, or were within the arsenic range allowed by the COGCC (1.25x background concentration), except for the benzo(a)pyrene (BaP) result (0.073) for soil sample North Wall, 5'. An additional sample was collected from this sampling location on September 18, 2014 and submitted for laboratory analysis of BaP. Laboratory results for this additional sample were below the laboratory reporting limit for BaP. Background samples were collected from an undisturbed area southwest of the pad surface. Sample locations are depicted on the attached Sample Location Map and laboratory analytical results are summarized in the attached analytical table. Laboratory analytical reports are included as an attachment.

Based on removal of the PBV and soil analytical results, Caerus requests an NFA designation for this project.



**CAERUS** Sample Location Map: Garden Gulch 6  
OIL AND GAS LLC

39.532288 -108.164143  
 Section 12, Township 6 South, Range 97 West

- |                   |                       |                       |
|-------------------|-----------------------|-----------------------|
| ● Sample Location | <b>Transportation</b> | <b>Hydrography</b>    |
| ▨ Excavated Area  | — CO Highways         | — Ditch               |
| <b>PLSS</b>       | — County Roads        | — Intermittent Stream |
| □ Township        | — Local Streets       | — Perennial Stream    |
| □ Section         | — WPX Access          | — Waterbody           |
|                   |                       | — Watershed           |

**HCSI**  
 ENVIRONMENTAL CONSULTANTS  
 H.C. COMPLIANCE SOLUTIONS, INC.

Author: B. Hall  
 Revision: 1  
 Date: 10/3/2014

T:\Client\_Specific\2014\Caerus\Spills\Garden Gulch 6\Garden Gulch 6 Sample Location Map 10-3-14.mxd

Caerus Piceance LLC  
Garden Gulch 6 Partially Buried Vault Removal  
Soil Sample Confirmation and Background Analytical Results

COGCC Table 910-1 Analytical Suite	Table 910-1 Standard	Units	Sample ID									
			North Wall, 5'	North Wall, 5'	South Wall, 5'	East Wall, 5'	West Wall, 5'	Footprint, 9.5'	BKGD 01	BKGD 02	BKGD 03	
Sample Date			9/2/2014	9/18/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/24/2014	9/24/2014	9/24/2014
<b>Organics</b>												
TEPH (DRO)	500	mg/kg	87	NA	130	83	73	66	NA	NA	NA	NA
TVPH (GRO)	500	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
TPH	500	mg/kg	87	NA	130	83	73	66	NA	NA	NA	NA
BENZENE	0.17	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
TOLUENE	85	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
ETHYLBENZENE	100	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
XYLENE TOTAL	175	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
ACENAPHTHENE	1,000	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
ANTHRACENE	1,000	mg/kg	0.032	NA	ND	ND	ND	ND	NA	NA	NA	NA
BENZO(A)ANTHRACENE	0.22	mg/kg	0.033	NA	0.017	ND	ND	ND	NA	NA	NA	NA
BENZO(A)PYRENE	0.022	mg/kg	0.073	ND	ND	ND	ND	ND	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	0.22	mg/kg	0.053	NA	0.043	ND	ND	ND	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2	mg/kg	0.033	NA	0.031	ND	ND	ND	NA	NA	NA	NA
CHRYSENE	22	mg/kg	0.023	NA	ND	ND	ND	ND	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	0.022	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
FLUORANTHENE	1,000	mg/kg	0.064	NA	0.033	ND	ND	ND	NA	NA	NA	NA
FLUORENE	1,000	mg/kg	0.014	NA	ND	ND	ND	ND	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.22	mg/kg	0.057	NA	ND	ND	ND	ND	NA	NA	NA	NA
NAPHTHALENE	23	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
PYRENE	1,000	mg/kg	0.062	NA	0.017	ND	ND	ND	NA	NA	NA	NA
<b>Metals</b>												
MERCURY	23	mg/kg	0.020	NA	0.031	0.023	0.024	0.026	NA	NA	NA	NA
ARSENIC	0.39	mg/kg	19	NA	21	24	32	28	22	23	28	28
BARIUM	15,000	mg/kg	380	NA	370	410	450	450	NA	NA	NA	NA
CADMIUM	70	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
CHROMIUM (III)	120,000	mg/kg	22	NA	29	24	24	28	NA	NA	NA	NA
CHROMIUM (IV)	23	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
COPPER	3,100	mg/kg	22	NA	21	26	23	27	NA	NA	NA	NA
LEAD	400	mg/kg	18	NA	17	20	19	23	NA	NA	NA	NA
NICKEL	1,600	mg/kg	15	NA	21	20	18	24	NA	NA	NA	NA
SELENIUM	390	mg/kg	ND	NA	ND	ND	2.4	2.4	NA	NA	NA	NA
SILVER	390	mg/kg	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
ZINC	23,000	mg/kg	53	NA	50	66	57	86	NA	NA	NA	NA
<b>Inorganics</b>												
Sodium Adsorption Ratio	<12	unitless	1.1	NA	1.4	0.60	0.93	0.50	0.32	NA	NA	NA
Electrical Conductivity	<4mmhos/cm or 2x background	mmhos/cm	1.1	NA	0.92	0.79	1.1	1.1	1.6	NA	NA	NA
pH	6 to 9	SU	8.3	NA	8.2	8.2	8.2	8.1	7.8	NA	NA	NA

Notes:

highlight indicates reading above COGCC Table 910-1 standards

ND - non detect

NA - not analyzed

SU - standard unit

mg/kg - milligram per kilogram

mmhos/cm - millimhos per centimeter

TEPH - total petroleum hydrocarbons - Diesel range organics

TVPH - total petroleum hydrocarbons - gasoline range organics

TPH - total petroleum hydrocarbons (TEPH and TVPH combined)

COGCC - Colorado Oil and Gas Conservation Commission



10-Sep-2014

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

Re: **Caerus Garden Gulch 6 PBV Removal 9.2.14**

Work Order: **1409158**

Dear Mark,

ALS Environmental received 5 samples on 04-Sep-2014 09:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 32.

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: Chad Whelton

Ann Preston  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

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

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

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Work Order:** 1409158

**Work Order Sample Summary**

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<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>
1409158-01	North Wall, 5'	Soil		9/2/2014 13:21	9/4/2014 09:30	<input type="checkbox"/>
1409158-02	South Wall, 5'	Soil		9/2/2014 13:27	9/4/2014 09:30	<input type="checkbox"/>
1409158-03	East Wall, 5'	Soil		9/2/2014 13:29	9/4/2014 09:30	<input type="checkbox"/>
1409158-04	West Wall, 5'	Soil		9/2/2014 13:25	9/4/2014 09:30	<input type="checkbox"/>
1409158-05	Footprint, 9.5'	Soil		9/2/2014 13:32	9/4/2014 09:30	<input type="checkbox"/>

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**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Work Order:** 1409158

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**Case Narrative**

Batch 62454 MS/MSD 14081491-26 data is not related to this project's samples. No data requires qualification.

<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 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

<u>Acronym</u>	<u>Description</u>
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

<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
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: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** North Wall, 5'  
**Collection Date:** 9/2/2014 01:21 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>87</b>		<b>5.0</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 01:56 AM</b>
Surr: 4-Terphenyl-d14	65.0		39-133	%REC	1	9/6/2014 01:56 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>3.1</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/5/2014 04:36 PM</b>
Surr: Toluene-d8	104		50-150	%REC	1	9/5/2014 04:36 PM
<b>MERCURY BY CVAA</b>						
<b>Mercury</b>	<b>0.020</b>		<b>0.015</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/8/2014 01:44 PM</b>
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>110</b>		<b>5.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:32 PM</b>
<b>Magnesium</b>	<b>44</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:32 PM</b>
<b>Sodium</b>	<b>54</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:32 PM</b>
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep: SW3050B / 9/5/14	Analyst: <b>ML</b>
<b>Arsenic</b>	<b>19</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:28 PM</b>
<b>Barium</b>	<b>380</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:28 PM</b>
<b>Cadmium</b>	<b>ND</b>		<b>0.96</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:28 PM</b>
<b>Chromium</b>	<b>22</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:28 PM</b>
<b>Copper</b>	<b>22</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 02:30 AM</b>
<b>Lead</b>	<b>18</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:28 PM</b>
<b>Nickel</b>	<b>15</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 02:30 AM</b>
<b>Selenium</b>	<b>ND</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 02:30 AM</b>
<b>Silver</b>	<b>ND</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 02:30 AM</b>
<b>Zinc</b>	<b>53</b>		<b>4.8</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 02:30 AM</b>
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>1.1</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	<b>9/9/2014</b>
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW846 8270D</b>		Prep: SW3541 / 9/5/14	Analyst: <b>MK</b>
<b>Acenaphthene</b>	<b>ND</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Acenaphthylene</b>	<b>14</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Anthracene</b>	<b>32</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Benzo(a)anthracene</b>	<b>33</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Benzo(a)pyrene</b>	<b>73</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Benzo(b)fluoranthene</b>	<b>53</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Benzo(g,h,i)perylene</b>	<b>35</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Benzo(k)fluoranthene</b>	<b>33</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>
<b>Chrysene</b>	<b>23</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 08:44 PM</b>

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

# ALS Group USA, Corp

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** North Wall, 5'  
**Collection Date:** 9/2/2014 01:21 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		8.0	µg/Kg-dry	1	9/6/2014 08:44 PM
<b>Fluoranthene</b>	<b>64</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	1	9/6/2014 08:44 PM
<b>Fluorene</b>	<b>14</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	1	9/6/2014 08:44 PM
<b>Indeno(1,2,3-cd)pyrene</b>	<b>57</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	1	9/6/2014 08:44 PM
Naphthalene	ND		8.0	µg/Kg-dry	1	9/6/2014 08:44 PM
<b>Pyrene</b>	<b>62</b>		<b>8.0</b>	<b>µg/Kg-dry</b>	1	9/6/2014 08:44 PM
Surr: 2-Fluorobiphenyl	65.3		12-100	%REC	1	9/6/2014 08:44 PM
Surr: 4-Terphenyl-d14	86.9		25-137	%REC	1	9/6/2014 08:44 PM
Surr: Nitrobenzene-d5	52.3		37-107	%REC	1	9/6/2014 08:44 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 9/5/14	Analyst: <b>AK</b>
Benzene	ND		37	µg/Kg-dry	1	9/7/2014 08:14 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	9/7/2014 08:14 AM
m,p-Xylene	ND		74	µg/Kg-dry	1	9/7/2014 08:14 AM
o-Xylene	ND		37	µg/Kg-dry	1	9/7/2014 08:14 AM
Toluene	ND		37	µg/Kg-dry	1	9/7/2014 08:14 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/7/2014 08:14 AM
Surr: 1,2-Dichloroethane-d4	96.5		70-130	%REC	1	9/7/2014 08:14 AM
Surr: 4-Bromofluorobenzene	96.5		70-130	%REC	1	9/7/2014 08:14 AM
Surr: Dibromofluoromethane	98.8		70-130	%REC	1	9/7/2014 08:14 AM
Surr: Toluene-d8	98.3		70-130	%REC	1	9/7/2014 08:14 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>MELB</b>
Electrical Conductivity @ Saturation	1.1		0.050	mmhos/cm @2	10	9/9/2014 02:30 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>JJG</b>
Chromium, Trivalent	22		0.61	mg/Kg-dry	1	9/9/2014 07:54 AM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep: SW3060A / 9/5/14	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	9/8/2014 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>JB</b>
Moisture	18		0.050	% of sample	1	9/5/2014 07:10 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/5/14	Analyst: <b>EE</b>
pH	8.3			s.u.	1	9/5/2014 09:00 AM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** South Wall, 5'  
**Collection Date:** 9/2/2014 01:27 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>130</b>		<b>5.1</b>	<b>mg/Kg-dry</b>	1	9/6/2014 02:26 AM
Surr: 4-Terphenyl-d14	69.9		39-133	%REC	1	9/6/2014 02:26 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>3.1</b>	<b>mg/Kg-dry</b>	1	9/5/2014 06:41 PM
Surr: Toluene-d8	109		50-150	%REC	1	9/5/2014 06:41 PM
<b>MERCURY BY CVAA</b>						
<b>Mercury</b>	<b>0.031</b>		<b>0.015</b>	<b>mg/Kg-dry</b>	1	9/8/2014 02:21 PM
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/9/14	Analyst: JEC
<b>Calcium</b>	<b>89</b>		<b>5.0</b>	<b>mg/L</b>	10	9/9/2014 04:37 PM
<b>Magnesium</b>	<b>30</b>		<b>2.0</b>	<b>mg/L</b>	10	9/9/2014 04:37 PM
<b>Sodium</b>	<b>58</b>		<b>2.0</b>	<b>mg/L</b>	10	9/9/2014 04:37 PM
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep: SW3050B / 9/5/14	Analyst: ML
<b>Arsenic</b>	<b>21</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Barium</b>	<b>370</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Cadmium</b>	<b>ND</b>		<b>0.90</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Chromium</b>	<b>29</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Copper</b>	<b>21</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Lead</b>	<b>17</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Nickel</b>	<b>21</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Selenium</b>	<b>ND</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Silver</b>	<b>ND</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>Zinc</b>	<b>50</b>		<b>4.5</b>	<b>mg/Kg-dry</b>	5	9/7/2014 04:54 AM
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: JEC
<b>Sodium Adsorption Ratio</b>	<b>1.4</b>		<b>0.010</b>	<b>none</b>	1	9/9/2014
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW846 8270D</b>		Prep: SW3541 / 9/5/14	Analyst: MK
<b>Acenaphthene</b>	<b>ND</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Acenaphthylene</b>	<b>ND</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Anthracene</b>	<b>ND</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Benzo(a)anthracene</b>	<b>17</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Benzo(a)pyrene</b>	<b>ND</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Benzo(b)fluoranthene</b>	<b>43</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Benzo(g,h,i)perylene</b>	<b>32</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Benzo(k)fluoranthene</b>	<b>31</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
<b>Chrysene</b>	<b>ND</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** South Wall, 5'  
**Collection Date:** 9/2/2014 01:27 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		8.1	µg/Kg-dry	1	9/6/2014 06:08 PM
<b>Fluoranthene</b>	<b>33</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
Fluorene	ND		8.1	µg/Kg-dry	1	9/6/2014 06:08 PM
Indeno(1,2,3-cd)pyrene	ND		8.1	µg/Kg-dry	1	9/6/2014 06:08 PM
Naphthalene	ND		8.1	µg/Kg-dry	1	9/6/2014 06:08 PM
<b>Pyrene</b>	<b>17</b>		<b>8.1</b>	<b>µg/Kg-dry</b>	1	9/6/2014 06:08 PM
Surr: 2-Fluorobiphenyl	58.6		12-100	%REC	1	9/6/2014 06:08 PM
Surr: 4-Terphenyl-d14	76.2		25-137	%REC	1	9/6/2014 06:08 PM
Surr: Nitrobenzene-d5	44.3		37-107	%REC	1	9/6/2014 06:08 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 9/5/14	Analyst: <b>AK</b>
Benzene	ND		37	µg/Kg-dry	1	9/7/2014 08:40 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	9/7/2014 08:40 AM
m,p-Xylene	ND		74	µg/Kg-dry	1	9/7/2014 08:40 AM
o-Xylene	ND		37	µg/Kg-dry	1	9/7/2014 08:40 AM
Toluene	ND		37	µg/Kg-dry	1	9/7/2014 08:40 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/7/2014 08:40 AM
Surr: 1,2-Dichloroethane-d4	97.7		70-130	%REC	1	9/7/2014 08:40 AM
Surr: 4-Bromofluorobenzene	96.6		70-130	%REC	1	9/7/2014 08:40 AM
Surr: Dibromofluoromethane	98.0		70-130	%REC	1	9/7/2014 08:40 AM
Surr: Toluene-d8	98.5		70-130	%REC	1	9/7/2014 08:40 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>MELB</b>
Electrical Conductivity @ Saturation	<b>0.92</b>		<b>0.050</b>	<b>mmhos/cm @2</b>	10	9/9/2014 02:30 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>JJG</b>
Chromium, Trivalent	<b>29</b>		<b>0.62</b>	<b>mg/Kg-dry</b>	1	9/9/2014 07:54 AM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep: SW3060A / 9/5/14	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	9/8/2014 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>JB</b>
Moisture	<b>19</b>		<b>0.050</b>	<b>% of sample</b>	1	9/5/2014 07:10 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/5/14	Analyst: <b>EE</b>
pH	<b>8.2</b>			<b>s.u.</b>	1	9/5/2014 09:00 AM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** East Wall, 5'  
**Collection Date:** 9/2/2014 01:29 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>			<b>SW8015M</b>		Prep: SW3541 / 9/5/14	Analyst: <b>IT</b>
<b>DRO (C10-C28)</b>	<b>83</b>		<b>4.7</b>	<b>mg/Kg-dry</b>	1	9/6/2014 02:57 AM
<i>Surr: 4-Terphenyl-d14</i>	60.6		39-133	%REC	1	9/6/2014 02:57 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>			<b>SW8015</b>		Prep: SW5035 / 9/5/14	Analyst: <b>IT</b>
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>2.9</b>	<b>mg/Kg-dry</b>	1	9/5/2014 07:07 PM
<i>Surr: Toluene-d8</i>	104		50-150	%REC	1	9/5/2014 07:07 PM
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 9/8/14	Analyst: <b>LR</b>
<b>Mercury</b>	<b>0.023</b>		<b>0.016</b>	<b>mg/Kg-dry</b>	1	9/8/2014 02:23 PM
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>92</b>		<b>5.0</b>	<b>mg/L</b>	10	9/9/2014 04:42 PM
<b>Magnesium</b>	<b>32</b>		<b>2.0</b>	<b>mg/L</b>	10	9/9/2014 04:42 PM
<b>Sodium</b>	<b>26</b>		<b>2.0</b>	<b>mg/L</b>	10	9/9/2014 04:42 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 9/5/14	Analyst: <b>ML</b>
<b>Arsenic</b>	<b>24</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Barium</b>	<b>410</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Cadmium</b>	<b>ND</b>		<b>0.87</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Chromium</b>	<b>24</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Copper</b>	<b>26</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Lead</b>	<b>20</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Nickel</b>	<b>20</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Selenium</b>	<b>ND</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Silver</b>	<b>ND</b>		<b>2.2</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>Zinc</b>	<b>66</b>		<b>4.3</b>	<b>mg/Kg-dry</b>	5	9/7/2014 05:00 AM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>0.60</b>		<b>0.010</b>	<b>none</b>	1	9/9/2014
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW846 8270D</b>		Prep: SW3541 / 9/5/14	Analyst: <b>MK</b>
<b>Acenaphthene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Acenaphthylene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Anthracene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Benzo(a)anthracene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Benzo(a)pyrene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Benzo(b)fluoranthene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Benzo(g,h,i)perylene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Benzo(k)fluoranthene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM
<b>Chrysene</b>	<b>ND</b>		<b>7.6</b>	<b>µg/Kg-dry</b>	1	9/6/2014 09:06 PM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** East Wall, 5'  
**Collection Date:** 9/2/2014 01:29 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Fluoranthene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Fluorene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Naphthalene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Pyrene	ND		7.6	µg/Kg-dry	1	9/6/2014 09:06 PM
Surr: 2-Fluorobiphenyl	66.6		12-100	%REC	1	9/6/2014 09:06 PM
Surr: 4-Terphenyl-d14	84.8		25-137	%REC	1	9/6/2014 09:06 PM
Surr: Nitrobenzene-d5	49.2		37-107	%REC	1	9/6/2014 09:06 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 9/5/14	Analyst: <b>AK</b>
Benzene	ND		35	µg/Kg-dry	1	9/7/2014 09:05 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	9/7/2014 09:05 AM
m,p-Xylene	ND		71	µg/Kg-dry	1	9/7/2014 09:05 AM
o-Xylene	ND		35	µg/Kg-dry	1	9/7/2014 09:05 AM
Toluene	ND		35	µg/Kg-dry	1	9/7/2014 09:05 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/7/2014 09:05 AM
Surr: 1,2-Dichloroethane-d4	96.7		70-130	%REC	1	9/7/2014 09:05 AM
Surr: 4-Bromofluorobenzene	98.8		70-130	%REC	1	9/7/2014 09:05 AM
Surr: Dibromofluoromethane	98.0		70-130	%REC	1	9/7/2014 09:05 AM
Surr: Toluene-d8	100		70-130	%REC	1	9/7/2014 09:05 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>MELB</b>
Electrical Conductivity @ Saturation	0.79		0.050	mmhos/cm @2	10	9/9/2014 02:30 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>JJG</b>
Chromium, Trivalent	24		0.59	mg/Kg-dry	1	9/9/2014 07:54 AM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep: SW3060A / 9/5/14	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	9/8/2014 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>JB</b>
Moisture	15		0.050	% of sample	1	9/5/2014 07:10 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/5/14	Analyst: <b>EE</b>
pH	8.2			s.u.	1	9/5/2014 09:00 AM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** West Wall, 5'  
**Collection Date:** 9/2/2014 01:25 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>73</b>		<b>4.9</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 03:27 AM</b>
Surr: 4-Terphenyl-d14	58.1		39-133	%REC	1	9/6/2014 03:27 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>3.1</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/5/2014 11:22 PM</b>
Surr: Toluene-d8	116		50-150	%REC	1	9/5/2014 11:22 PM
<b>MERCURY BY CVAA</b>						
<b>Mercury</b>	<b>0.024</b>		<b>0.015</b>	<b>mg/Kg-dry</b>	<b>1</b>	<b>9/8/2014 02:25 PM</b>
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>110</b>		<b>5.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:47 PM</b>
<b>Magnesium</b>	<b>40</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:47 PM</b>
<b>Sodium</b>	<b>45</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	<b>9/9/2014 04:47 PM</b>
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep: SW3050B / 9/5/14	Analyst: <b>ML</b>
<b>Arsenic</b>	<b>32</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Barium</b>	<b>450</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Cadmium</b>	<b>ND</b>		<b>0.96</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Chromium</b>	<b>24</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Copper</b>	<b>23</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Lead</b>	<b>19</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Nickel</b>	<b>18</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Selenium</b>	<b>2.4</b>	J	<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Silver</b>	<b>ND</b>		<b>2.4</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>Zinc</b>	<b>57</b>		<b>4.8</b>	<b>mg/Kg-dry</b>	<b>5</b>	<b>9/7/2014 05:06 AM</b>
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>0.93</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	<b>9/9/2014</b>
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW846 8270D</b>		Prep: SW3541 / 9/5/14	Analyst: <b>MK</b>
<b>Acenaphthene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Acenaphthylene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Anthracene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Benzo(a)anthracene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Benzo(a)pyrene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Benzo(b)fluoranthene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Benzo(g,h,i)perylene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Benzo(k)fluoranthene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>
<b>Chrysene</b>	<b>ND</b>		<b>7.9</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>9/6/2014 09:28 PM</b>

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

# ALS Group USA, Corp

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** West Wall, 5'  
**Collection Date:** 9/2/2014 01:25 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Fluoranthene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Fluorene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Indeno(1,2,3-cd)pyrene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Naphthalene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Pyrene	ND		7.9	µg/Kg-dry	1	9/6/2014 09:28 PM
Surr: 2-Fluorobiphenyl	64.6		12-100	%REC	1	9/6/2014 09:28 PM
Surr: 4-Terphenyl-d14	77.9		25-137	%REC	1	9/6/2014 09:28 PM
Surr: Nitrobenzene-d5	49.6		37-107	%REC	1	9/6/2014 09:28 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 9/5/14	Analyst: <b>AK</b>
Benzene	ND		37	µg/Kg-dry	1	9/7/2014 09:31 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	9/7/2014 09:31 AM
m,p-Xylene	ND		73	µg/Kg-dry	1	9/7/2014 09:31 AM
o-Xylene	ND		37	µg/Kg-dry	1	9/7/2014 09:31 AM
Toluene	ND		37	µg/Kg-dry	1	9/7/2014 09:31 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/7/2014 09:31 AM
Surr: 1,2-Dichloroethane-d4	97.7		70-130	%REC	1	9/7/2014 09:31 AM
Surr: 4-Bromofluorobenzene	95.8		70-130	%REC	1	9/7/2014 09:31 AM
Surr: Dibromofluoromethane	98.9		70-130	%REC	1	9/7/2014 09:31 AM
Surr: Toluene-d8	97.6		70-130	%REC	1	9/7/2014 09:31 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>MELB</b>
Electrical Conductivity @ Saturation	1.1		0.050	mmhos/cm @2	10	9/9/2014 02:30 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>JJG</b>
Chromium, Trivalent	24		0.61	mg/Kg-dry	1	9/9/2014 07:54 AM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep: SW3060A / 9/5/14	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	9/8/2014 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>JB</b>
Moisture	18		0.050	% of sample	1	9/5/2014 07:10 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/5/14	Analyst: <b>EE</b>
pH	8.2			s.u.	1	9/5/2014 09:00 AM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** Footprint, 9.5'  
**Collection Date:** 9/2/2014 01:32 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>66</b>		<b>SW8015M</b>		Prep: SW3541 / 9/5/14	Analyst: <b>IT</b>
Surr: 4-Terphenyl-d14	54.2		4.9	mg/Kg-dry	1	9/6/2014 03:57 AM
			39-133	%REC	1	9/6/2014 03:57 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>ND</b>		<b>SW8015</b>		Prep: SW5035 / 9/5/14	Analyst: <b>IT</b>
Surr: Toluene-d8	111		3.0	mg/Kg-dry	1	9/5/2014 11:48 PM
			50-150	%REC	1	9/5/2014 11:48 PM
<b>MERCURY BY CVAA</b>						
<b>Mercury</b>	<b>0.026</b>		<b>SW7471</b>		Prep: SW7471 / 9/8/14	Analyst: <b>LR</b>
			0.015	mg/Kg-dry	1	9/8/2014 02:28 PM
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>130</b>		5.0	mg/L	10	9/9/2014 04:52 PM
<b>Magnesium</b>	<b>42</b>		2.0	mg/L	10	9/9/2014 04:52 PM
<b>Sodium</b>	<b>26</b>		2.0	mg/L	10	9/9/2014 04:52 PM
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep: SW3050B / 9/5/14	Analyst: <b>ML</b>
<b>Arsenic</b>	<b>28</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Barium</b>	<b>450</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Cadmium</b>	<b>ND</b>		0.79	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Chromium</b>	<b>29</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Copper</b>	<b>27</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Lead</b>	<b>23</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Nickel</b>	<b>24</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Selenium</b>	<b>2.4</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Silver</b>	<b>ND</b>		2.0	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>Zinc</b>	<b>86</b>		3.9	mg/Kg-dry	5	9/7/2014 05:13 AM
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>0.50</b>		0.010	none	1	9/9/2014
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW846 8270D</b>		Prep: SW3541 / 9/5/14	Analyst: <b>MK</b>
Acenaphthene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Acenaphthylene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Anthracene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Benzo(a)anthracene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Benzo(a)pyrene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Benzo(b)fluoranthene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Benzo(g,h,i)perylene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Benzo(k)fluoranthene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Chrysene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM

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

**ALS Group USA, Corp**

Date: 10-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14  
**Sample ID:** Footprint, 9.5'  
**Collection Date:** 9/2/2014 01:32 PM

**Work Order:** 1409158  
**Lab ID:** 1409158-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Fluoranthene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Fluorene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Indeno(1,2,3-cd)pyrene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Naphthalene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Pyrene	ND		7.8	µg/Kg-dry	1	9/6/2014 09:50 PM
Surr: 2-Fluorobiphenyl	61.0		12-100	%REC	1	9/6/2014 09:50 PM
Surr: 4-Terphenyl-d14	76.0		25-137	%REC	1	9/6/2014 09:50 PM
Surr: Nitrobenzene-d5	42.4		37-107	%REC	1	9/6/2014 09:50 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 9/5/14	Analyst: <b>AK</b>
Benzene	ND		36	µg/Kg-dry	1	9/7/2014 09:57 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	9/7/2014 09:57 AM
m,p-Xylene	ND		72	µg/Kg-dry	1	9/7/2014 09:57 AM
o-Xylene	ND		36	µg/Kg-dry	1	9/7/2014 09:57 AM
Toluene	ND		36	µg/Kg-dry	1	9/7/2014 09:57 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/7/2014 09:57 AM
Surr: 1,2-Dichloroethane-d4	96.3		70-130	%REC	1	9/7/2014 09:57 AM
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	1	9/7/2014 09:57 AM
Surr: Dibromofluoromethane	97.0		70-130	%REC	1	9/7/2014 09:57 AM
Surr: Toluene-d8	98.8		70-130	%REC	1	9/7/2014 09:57 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 9/9/14	Analyst: <b>MELB</b>
Electrical Conductivity @ Saturation	1.1		0.050	mmhos/cm @2	10	9/9/2014 02:30 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>			Analyst: <b>JJG</b>
Chromium, Trivalent	28		0.60	mg/Kg-dry	1	9/9/2014 07:54 AM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>		Prep: SW3060A / 9/5/14	Analyst: <b>MB</b>
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	9/8/2014 04:00 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>JB</b>
Moisture	17		0.050	% of sample	1	9/5/2014 07:10 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/5/14	Analyst: <b>EE</b>
pH	8.1			s.u.	1	9/5/2014 09:00 AM

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

Client: HRL Compliance Solutions, Inc

**QC BATCH REPORT**

Work Order: 1409158

Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

Batch ID: **62432**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: <b>DBLKS1-62432-62432</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/5/2014 05:55 PM</b>		
Client ID:		Run ID: <b>GC8_140905A</b>		SeqNo: <b>2922643</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
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>	1.155	0	1.667	0	69.3	39-133	0			

LCS		Sample ID: <b>DLCSS1-62432-62432</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/5/2014 06:25 PM</b>		
Client ID:		Run ID: <b>GC8_140905A</b>		SeqNo: <b>2922644</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	151.4	4.2	166.7	0	90.8	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.028	0	1.667	0	61.7	39-133	0			

MS		Sample ID: <b>14081520-01B MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/5/2014 06:55 PM</b>		
Client ID:		Run ID: <b>GC8_140905A</b>		SeqNo: <b>2922645</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	270.7	8.1	325.9	0	83.1	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	2.276	0	3.259	0	69.8	39-133	0			

MSD		Sample ID: <b>14081520-01B MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/5/2014 07:25 PM</b>		
Client ID:		Run ID: <b>GC8_140905A</b>		SeqNo: <b>2922646</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	270.7	8.3	330.3	0	82	48-110	270.7	0.00247	30	
<i>Surr: 4-Terphenyl-d14</i>	2.144	0	3.303	0	64.9	39-133	2.276	5.98	30	

The following samples were analyzed in this batch:

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

## QC BATCH REPORT

Batch ID: **62438**      Instrument ID **GC9**      Method: **SW8015**

MBLK		Sample ID: <b>MBLK-62438-62438</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 02:52 PM</b>		
Client ID:		Run ID: <b>GC9_140905A</b>		SeqNo: <b>2920880</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
<i>Surr: Toluene-d8</i>	4629	0	5000	0	92.6	50-150	0			

LCS		Sample ID: <b>LCS-62438-62438</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 02:27 PM</b>		
Client ID:		Run ID: <b>GC9_140905A</b>		SeqNo: <b>2920878</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	494000	2,500	500000	0	98.8	70-130	0			
<i>Surr: Toluene-d8</i>	5791	0	5000	0	116	50-150	0			

MS		Sample ID: <b>14081613-02A MS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 05:49 PM</b>		
Client ID:		Run ID: <b>GC9_140905A</b>		SeqNo: <b>2922711</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	544600	2,500	500000	0	109	70-130	0			
<i>Surr: Toluene-d8</i>	4926	0	5000	0	98.5	50-150	0			

MSD		Sample ID: <b>14081613-02A MSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 06:15 PM</b>		
Client ID:		Run ID: <b>GC9_140905A</b>		SeqNo: <b>2922712</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	510100	2,500	500000	0	102	70-130	544600	6.54	30	
<i>Surr: Toluene-d8</i>	6158	0	5000	0	123	50-150	4926	22.2	30	

The following samples were analyzed in this batch:

1409158-01A	1409158-02A	1409158-03A
1409158-04A	1409158-05A	

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



**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62454**      Instrument ID **ICPMS1**      Method: **SW6020A**

MBLK		Sample ID: <b>MBLK-62454-62454</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/6/2014 11:44 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140906A</b>			SeqNo: <b>2922228</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Cadmium	ND	0.10								
Copper	ND	0.25								
Lead	0.004188	0.25								J
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	0.1394	0.50								J

MBLK		Sample ID: <b>MBLK-62454-62454</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/7/2014 02:50 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140907A</b>			SeqNo: <b>2923065</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	ND	0.25								
Chromium	ND	0.25								

LCS		Sample ID: <b>LCS-62454-62454</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/6/2014 11:50 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140906A</b>			SeqNo: <b>2922229</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.508	0.25	5	0	90.2	80-120	0			
Barium	4.74	0.25	5	0	94.8	80-120	0			
Cadmium	4.732	0.10	5	0	94.6	80-120	0			
Chromium	4.558	0.25	5	0	91.2	80-120	0			
Copper	4.84	0.25	5	0	96.8	80-120	0			
Lead	4.658	0.25	5	0	93.2	80-120	0			
Nickel	4.854	0.25	5	0	97.1	80-120	0			
Selenium	5.165	0.25	5	0	103	80-120	0			
Silver	4.799	0.25	5	0	96	80-120	0			
Zinc	5.005	0.50	5	0	100	80-120	0			

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

## QC BATCH REPORT

Batch ID: **62454**      Instrument ID **ICPMS1**      Method: **SW6020A**

MS		Sample ID: 14081491-26AMS				Units: mg/Kg		Analysis Date: 9/7/2014 04:27 PM		
Client ID:		Run ID: ICPMS1_140907A			SeqNo: 2923091		Prep Date: 9/5/2014		DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.3	1.5	7.364	1.676	90	75-125	0			
Barium	88.42	1.5	7.364	77.3	151	75-125	0			SO
Cadmium	6.878	0.59	7.364	0.1129	91.9	75-125	0			
Chromium	14.31	1.5	7.364	6.111	111	75-125	0			
Copper	10.97	1.5	7.364	4.519	87.6	75-125	0			
Lead	10.82	1.5	7.364	4.414	87	75-125	0			
Nickel	11.8	1.5	7.364	4.987	92.5	75-125	0			
Selenium	7.538	1.5	7.364	1.315	84.5	75-125	0			
Silver	6.409	1.5	7.364	0.04633	86.4	75-125	0			
Zinc	23.18	2.9	7.364	16.13	95.7	75-125	0			

MSD		Sample ID: 14081491-26AMSD				Units: mg/Kg		Analysis Date: 9/7/2014 04:33 PM		
Client ID:		Run ID: ICPMS1_140907A			SeqNo: 2923093		Prep Date: 9/5/2014		DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.809	1.5	7.463	1.676	95.6	75-125	8.3	5.94	25	
Barium	78.48	1.5	7.463	77.3	15.8	75-125	88.42	11.9	25	SO
Cadmium	7.878	0.60	7.463	0.1129	104	75-125	6.878	13.6	25	
Chromium	14.69	1.5	7.463	6.111	115	75-125	14.31	2.62	25	
Copper	11.19	1.5	7.463	4.519	89.4	75-125	10.97	1.98	25	
Lead	11.4	1.5	7.463	4.414	93.6	75-125	10.82	5.18	25	
Nickel	12.16	1.5	7.463	4.987	96.1	75-125	11.8	2.99	25	
Selenium	8.143	1.5	7.463	1.315	91.5	75-125	7.538	7.73	25	
Silver	7.134	1.5	7.463	0.04633	95	75-125	6.409	10.7	25	
Zinc	21.94	3.0	7.463	16.13	77.8	75-125	23.18	5.49	25	

The following samples were analyzed in this batch:

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62544**      Instrument ID **SAR**      Method: **USDA H60 Metho**

<b>DUP</b>	Sample ID: <b>1409144-01ADUP</b>				Units: <b>none</b>		Analysis Date: <b>9/9/2014</b>			
Client ID:	Run ID: <b>SAR_140909A</b>			SeqNo: <b>2926956</b>		Prep Date: <b>9/9/2014</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	6.899	0.010	0	0	0		6.935	0.531	50	

**The following samples were analyzed in this batch:**

1409158-01C	1409158-02C	1409158-03C
1409158-04C	1409158-05C	

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409158  
 Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: 62431 Instrument ID SVMS5 Method: SW846 8270D

MBLK		Sample ID: SBLKS1-62431-62431				Units: µg/Kg		Analysis Date: 9/6/2014 04:40 PM		
Client ID:		Run ID: SVMS5_140906A		SeqNo: 2923759		Prep Date: 9/5/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Acenaphthylene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(g,h,i)perylene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
Surr: 2-Fluorobiphenyl	1229	0	1667	0	73.8	12-100		0		
Surr: 4-Terphenyl-d14	1884	0	1667	0	113	25-137		0		
Surr: Nitrobenzene-d5	1156	0	1667	0	69.4	37-107		0		

LCS		Sample ID: SLCSS1-62431-62431				Units: µg/Kg		Analysis Date: 9/6/2014 05:02 PM		
Client ID:		Run ID: SVMS5_140906A		SeqNo: 2923761		Prep Date: 9/5/2014		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	486	6.7	666.7	0	72.9	45-110		0		
Acenaphthylene	582	6.7	666.7	0	87.3	45-105		0		
Anthracene	611.7	6.7	666.7	0	91.7	55-105		0		
Benzo(a)anthracene	679.3	6.7	666.7	0	102	50-110		0		
Benzo(a)pyrene	644.3	6.7	666.7	0	96.6	50-110		0		
Benzo(b)fluoranthene	638.7	6.7	666.7	0	95.8	45-115		0		
Benzo(g,h,i)perylene	579	6.7	666.7	0	86.8	40-125		0		
Benzo(k)fluoranthene	643	6.7	666.7	0	96.4	45-115		0		
Chrysene	641.7	6.7	666.7	0	96.2	55-110		0		
Dibenzo(a,h)anthracene	573	6.7	666.7	0	85.9	40-125		0		
Fluoranthene	602.7	6.7	666.7	0	90.4	55-115		0		
Fluorene	565	6.7	666.7	0	84.7	50-110		0		
Indeno(1,2,3-cd)pyrene	578.3	6.7	666.7	0	86.7	40-120		0		
Naphthalene	492	6.7	666.7	0	73.8	40-105		0		
Pyrene	718	6.7	666.7	0	108	45-125		0		
Surr: 2-Fluorobiphenyl	1187	0	1667	0	71.2	12-100		0		
Surr: 4-Terphenyl-d14	1850	0	1667	0	111	25-137		0		
Surr: Nitrobenzene-d5	1128	0	1667	0	67.7	37-107		0		

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409158  
 Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: 62431 Instrument ID SVMS5 Method: SW846 8270D

MS				Sample ID: 1409158-02B MS			Units: µg/Kg		Analysis Date: 9/6/2014 05:24 PM		
Client ID: South Wall, 5'				Run ID: SVMS5_140906A			SeqNo: 2923763		Prep Date: 9/5/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	949.5	13	1319	0	72	45-110	0				
Acenaphthylene	1188	13	1319	0	90	45-105	0				
Anthracene	1176	13	1319	0	89.2	55-105	0				
Benzo(a)anthracene	1292	13	1319	13.48	97	50-110	0				
Benzo(a)pyrene	1224	13	1319	0	92.8	50-110	0				
Benzo(b)fluoranthene	1172	13	1319	0	88.8	45-115	0				
Benzo(g,h,i)perylene	1135	13	1319	0	86.1	40-125	0				
Benzo(k)fluoranthene	1163	13	1319	0	88.2	45-115	0				
Chrysene	1183	13	1319	0	89.7	55-110	0				
Dibenzo(a,h)anthracene	1130	13	1319	0	85.6	40-125	0				
Fluoranthene	1134	13	1319	0	86	55-115	0				
Fluorene	1142	13	1319	0	86.6	50-110	0				
Indeno(1,2,3-cd)pyrene	1205	13	1319	0	91.3	40-120	0				
Naphthalene	752.3	13	1319	0	57	40-105	0				
Pyrene	1303	13	1319	0	98.8	45-125	0				
Surr: 2-Fluorobiphenyl	2282	0	3297	0	69.2	12-100	0				
Surr: 4-Terphenyl-d14	3276	0	3297	0	99.4	25-137	0				
Surr: Nitrobenzene-d5	1656	0	3297	0	50.2	37-107	0				

MSD				Sample ID: 1409158-02B MSD			Units: µg/Kg		Analysis Date: 9/6/2014 05:46 PM		
Client ID: South Wall, 5'				Run ID: SVMS5_140906A			SeqNo: 2923765		Prep Date: 9/5/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	944.6	13	1314	0	71.9	45-110	949.5	0.514	30		
Acenaphthylene	1212	13	1314	0	92.2	45-105	1188	2.04	30		
Anthracene	1178	13	1314	0	89.7	55-105	1176	0.184	30		
Benzo(a)anthracene	1317	13	1314	13.48	99.2	50-110	1292	1.89	30		
Benzo(a)pyrene	1223	13	1314	0	93.1	50-110	1224	0.106	30		
Benzo(b)fluoranthene	1169	13	1314	0	89	45-115	1172	0.206	30		
Benzo(g,h,i)perylene	1075	13	1314	0	81.8	40-125	1135	5.44	30		
Benzo(k)fluoranthene	1171	13	1314	0	89.1	45-115	1163	0.696	30		
Chrysene	1178	13	1314	0	89.7	55-110	1183	0.375	30		
Dibenzo(a,h)anthracene	1074	13	1314	0	81.7	40-125	1130	5.03	30		
Fluoranthene	1161	13	1314	0	88.4	55-115	1134	2.38	30		
Fluorene	1151	13	1314	0	87.6	50-110	1142	0.773	30		
Indeno(1,2,3-cd)pyrene	1147	13	1314	0	87.3	40-120	1205	4.91	30		
Naphthalene	673.3	13	1314	0	51.2	40-105	752.3	11.1	30		
Pyrene	1271	13	1314	0	96.7	45-125	1303	2.47	30		
Surr: 2-Fluorobiphenyl	2308	0	3285	0	70.3	12-100	2282	1.12	40		
Surr: 4-Terphenyl-d14	3206	0	3285	0	97.6	25-137	3276	2.14	40		
Surr: Nitrobenzene-d5	1405	0	3285	0	42.8	37-107	1656	16.4	40		

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

## QC BATCH REPORT

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Batch ID: **62431**      Instrument ID **SVMS5**      Method: **SW846 8270D**

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**The following samples were analyzed in this batch:**

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409158  
 Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62437** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: <b>MBLK-62437-62437</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 03:56 PM</b>		
Client ID:		Run ID: <b>VMS5_140905A</b>		SeqNo: <b>2921930</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
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								
<i>Surr: 1,2-Dichloroethane-d4</i>	967.5	0	1000	0	96.8	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	956.5	0	1000	0	95.6	70-130	0			
<i>Surr: Dibromofluoromethane</i>	975.5	0	1000	0	97.6	70-130	0			
<i>Surr: Toluene-d8</i>	984	0	1000	0	98.4	70-130	0			

LCS		Sample ID: <b>LCS-62437-62437</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/5/2014 02:38 PM</b>		
Client ID:		Run ID: <b>VMS5_140905A</b>		SeqNo: <b>2921929</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1009	30	1000	0	101	75-125	0			
Ethylbenzene	1036	30	1000	0	104	75-125	0			
m,p-Xylene	2062	60	2000	0	103	80-125	0			
o-Xylene	1034	30	1000	0	103	75-125	0			
Toluene	1004	30	1000	0	100	70-125	0			
Xylenes, Total	3096	90	3000	0	103	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	948.5	0	1000	0	94.8	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	987	0	1000	0	98.7	70-130	0			
<i>Surr: Dibromofluoromethane</i>	979	0	1000	0	97.9	70-130	0			
<i>Surr: Toluene-d8</i>	1004	0	1000	0	100	70-130	0			

The following samples were analyzed in this batch: 1409158-01A      1409158-02A      1409158-03A

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409158  
 Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62465** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: <b>MBLK-62465-62465</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/8/2014 01:09 AM</b>		
Client ID:		Run ID: <b>VMS6_140907A</b>			SeqNo: <b>2923880</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>	
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								
<i>Surr: 1,2-Dichloroethane-d4</i>	1010	0	1000	0	101	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	989	0	1000	0	98.9	70-130	0			
<i>Surr: Dibromofluoromethane</i>	983.5	0	1000	0	98.4	70-130	0			
<i>Surr: Toluene-d8</i>	996	0	1000	0	99.6	70-130	0			

LCS		Sample ID: <b>LCS-62465-62465</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/7/2014 11:52 PM</b>		
Client ID:		Run ID: <b>VMS6_140907A</b>			SeqNo: <b>2923879</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	962	30	1000	0	96.2	75-125	0			
Ethylbenzene	986.5	30	1000	0	98.6	75-125	0			
m,p-Xylene	1984	60	2000	0	99.2	80-125	0			
o-Xylene	990.5	30	1000	0	99	75-125	0			
Toluene	963	30	1000	0	96.3	70-125	0			
Xylenes, Total	2974	90	3000	0	99.2	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	982.5	0	1000	0	98.2	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1012	0	1000	0	101	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1018	0	1000	0	102	70-130	0			
<i>Surr: Toluene-d8</i>	1008	0	1000	0	101	70-130	0			

The following samples were analyzed in this batch: 1409158-04A 1409158-05A

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62460**      Instrument ID **WETCHEM**      Method: **SW9045D**

LCS		Sample ID: <b>LCS-62460-62460</b>				Units: <b>s.u.</b>		Analysis Date: <b>9/5/2014 09:00 AM</b>		
Client ID:		Run ID: <b>WETCHEM_1409051</b>		SeqNo: <b>2920608</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.97	0	4	0	99.2	90-110	0			

DUP		Sample ID: <b>1409158-01B DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>9/5/2014 09:00 AM</b>		
Client ID: <b>North Wall, 5'</b>		Run ID: <b>WETCHEM_1409051</b>		SeqNo: <b>2920610</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.24	0	0	0	0	0-0	8.27	0.363	20	

DUP		Sample ID: <b>1409206-01A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>9/5/2014 09:00 AM</b>		
Client ID:		Run ID: <b>WETCHEM_1409051</b>		SeqNo: <b>2920625</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.8	0	0	0	0	0-0	6.92	1.75	20	

The following samples were analyzed in this batch:

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409158  
 Project: Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62538** Instrument ID **WETCHEM** Method: **SW7196A**

<b>MBLK</b>	Sample ID: <b>MBLK-62538-62538</b>				Units: <b>mg/Kg</b>			Analysis Date: <b>9/8/2014 04:00 PM</b>		
Client ID:	Run ID: <b>WETCHEM_1409080</b>			SeqNo: <b>2924589</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

<b>LCS</b>	Sample ID: <b>LCS-62538-62538</b>				Units: <b>mg/Kg</b>			Analysis Date: <b>9/8/2014 04:00 PM</b>		
Client ID:	Run ID: <b>WETCHEM_1409080</b>			SeqNo: <b>2924588</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.82 0.50 2 0 91 80-120 0

<b>MS</b>	Sample ID: <b>1409008-29A MS</b>				Units: <b>mg/Kg</b>			Analysis Date: <b>9/8/2014 04:00 PM</b>		
Client ID:	Run ID: <b>WETCHEM_1409080</b>			SeqNo: <b>2924571</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.85 0.49 1.976 0.1633 85.3 75-125 0

<b>MS</b>	Sample ID: <b>1409008-29A MSI</b>				Units: <b>mg/Kg</b>			Analysis Date: <b>9/8/2014 04:00 PM</b>		
Client ID:	Run ID: <b>WETCHEM_1409080</b>			SeqNo: <b>2924573</b>		Prep Date: <b>9/5/2014</b>		DF: <b>100</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1386 50 1373 0.1633 101 75-125 0

<b>MSD</b>	Sample ID: <b>1409008-29A MSD</b>				Units: <b>mg/Kg</b>			Analysis Date: <b>9/8/2014 04:00 PM</b>		
Client ID:	Run ID: <b>WETCHEM_1409080</b>			SeqNo: <b>2924572</b>		Prep Date: <b>9/5/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.924 0.50 2 0.1633 88 75-125 1.85 3.93 20

The following samples were analyzed in this batch:

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **62544**      Instrument ID **WETCHEM**      Method: **USDA H60 Metho**

<b>DUP</b>	Sample ID: <b>1409144-01A DUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>9/9/2014 02:30 PM</b>			
Client ID:	Run ID: <b>WETCHEM_140909Q</b>			SeqNo: <b>2926680</b>		Prep Date: <b>9/9/2014</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	6.78	0.050	0	0	0		6.28	7.66	50	

**The following samples were analyzed in this batch:**

1409158-01C	1409158-02C	1409158-03C
1409158-04C	1409158-05C	

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409158  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.2.14

# QC BATCH REPORT

Batch ID: **R147710**      Instrument ID **MOIST**      Method: **A2540 G**

<b>MBLK</b>	Sample ID: <b>WBLKS-R147710</b>				Units: % of sample			Analysis Date: <b>9/5/2014 07:10 PM</b>		
Client ID:	Run ID: <b>MOIST_140905B</b>			SeqNo: <b>2923730</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture                                      ND      0.050

<b>LCS</b>	Sample ID: <b>LCS-R147710</b>				Units: % of sample			Analysis Date: <b>9/5/2014 07:10 PM</b>		
Client ID:	Run ID: <b>MOIST_140905B</b>			SeqNo: <b>2923729</b>		Prep Date:		DF: <b>1</b>		
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

<b>DUP</b>	Sample ID: <b>1409158-01B DUP</b>				Units: % of sample			Analysis Date: <b>9/5/2014 07:10 PM</b>		
Client ID: <b>North Wall, 5'</b>	Run ID: <b>MOIST_140905B</b>			SeqNo: <b>2923715</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture                                      16.9      0.050                      0                      0      0      0-0                      18.39      8.44      20

<b>DUP</b>	Sample ID: <b>1409165-01A DUP</b>				Units: % of sample			Analysis Date: <b>9/5/2014 07:10 PM</b>		
Client ID:	Run ID: <b>MOIST_140905B</b>			SeqNo: <b>2923720</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture                                      10.45      0.050                      0                      0      0      0-0                      11.01      5.22      20

The following samples were analyzed in this batch:

1409158-01B	1409158-02B	1409158-03B
1409158-04B	1409158-05B	

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



From: (970) 285-5763  
Nick Martinez  
ALS Environmental  
127 E. 1st Street

Origin ID: RILA



Ship Date: 02SEP14  
ActWgt: 65.0 LBS  
CAD: 2264840/NET3550

Dim: 24 X 15 X 15 IN

PARACHUTE, CO 81635

Delivery Address Bar Code



BHP TO: (616) 399-6078  
sample receiving  
ALS Laboratory Group  
3352 128TH AVE

BILL SENDER

Ref # 090214-3  
Invoice #  
PO # Parachute  
Dept #

HOLLAND, MI 49424

2 of 2 WED - 03 SEP 10:30A  
PRIORITY OVERNIGHT

MPS# 7710 2069 3410

0263

Met# 7710 2069 3497

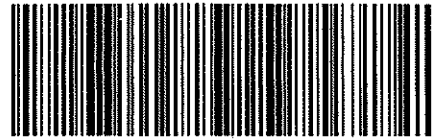
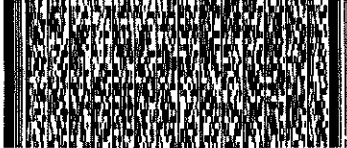
0201

49424

MI-US

GRR

XX HLMA



522614061900296

After printing this label:

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

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

ALS Parachute Custody Seal

DATE 9-2-14 Time 11:50

Name NM

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **04-Sep-14 09:30**

Work Order: **1409158**

Received by: **DS**

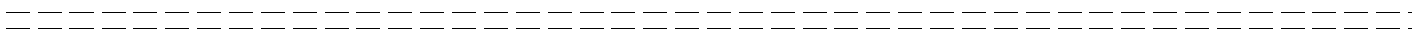
Checklist completed by Diane Shaw 04-Sep-14  
eSignature Date

Reviewed by: Ann Preston 05-Sep-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>4.8 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>9/4/2014 3:14:43 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:



22-Sep-2014

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

Re: **Caerus Garden Gulch 6 PBV Removal 9.18.14**

Work Order: **1409939**

Dear Mark,

ALS Environmental received 1 sample on 19-Sep-2014 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.

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 10.

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

Sincerely,

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

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

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

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Environmental ALS Environmental logo icon consisting of a stylized green and blue shape.

[www.alsglobal.com](http://www.alsglobal.com)

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**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.18.14  
**Work Order:** 1409939

**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>
1409939-01	North Wall, 5'	Soil		9/18/2014 09:30	9/19/2014 09:00	<input type="checkbox"/>

---

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.18.14  
**Work Order:** 1409939

---

**Case Narrative**

Batch 62960 MS/MSD data for PAHs is not related to this project's samples. No data requires qualification.

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.18.14  
**WorkOrder:** 1409939

**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 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

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCS D	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

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight

**ALS Group USA, Corp**

Date: 22-Sep-14

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.18.14  
**Sample ID:** North Wall, 5'  
**Collection Date:** 9/18/2014 09:30 AM

**Work Order:** 1409939  
**Lab ID:** 1409939-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW846 8270D</b>		Prep: SW3541 / 9/19/14	Analyst: <b>RM</b>
Benzo(a)pyrene	ND		8.3	µg/Kg-dry	1	9/20/2014 08:45 PM
Surr: 2-Fluorobiphenyl	61.7		12-100	%REC	1	9/20/2014 08:45 PM
Surr: 4-Terphenyl-d14	81.4		25-137	%REC	1	9/20/2014 08:45 PM
Surr: Nitrobenzene-d5	58.3		37-107	%REC	1	9/20/2014 08:45 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>RLM</b>
Moisture	20		0.050	% of sample	1	9/19/2014 04:40 PM

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 1409939  
**Project:** Caerus Garden Gulch 6 PBV Removal 9.18.14

**QC BATCH REPORT**

Batch ID: **62960** Instrument ID **SVMS5** Method: **SW846 8270D**

MBLK		Sample ID: <b>SBLKS1-62960-62960</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/20/2014 01:45 PM</b>			
Client ID:		Run ID: <b>SVMS5_140920A</b>				SeqNo: <b>2946208</b>		Prep Date: <b>9/19/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzo(a)pyrene	ND	6.7									
<i>Surr: 2-Fluorobiphenyl</i>	1408	0	1667	0	84.5	12-100	0				
<i>Surr: 4-Terphenyl-d14</i>	2048	0	1667	0	123	25-137	0				
<i>Surr: Nitrobenzene-d5</i>	1352	0	1667	0	81.1	37-107	0				

LCS		Sample ID: <b>SLCSS1-62960-62960</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/20/2014 02:07 PM</b>			
Client ID:		Run ID: <b>SVMS5_140920A</b>				SeqNo: <b>2946211</b>		Prep Date: <b>9/19/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzo(a)pyrene	731.7	6.7	666.7	0	110	50-110	0				
<i>Surr: 2-Fluorobiphenyl</i>	1368	0	1667	0	82.1	12-100	0				
<i>Surr: 4-Terphenyl-d14</i>	1823	0	1667	0	109	25-137	0				
<i>Surr: Nitrobenzene-d5</i>	1373	0	1667	0	82.4	37-107	0				

MS		Sample ID: <b>1409698-03B MS</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/20/2014 07:02 PM</b>			
Client ID:		Run ID: <b>SVMS5_140920A</b>				SeqNo: <b>2946213</b>		Prep Date: <b>9/19/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzo(a)pyrene	1633	13	1291	0	126	50-110	0			S	
<i>Surr: 2-Fluorobiphenyl</i>	2327	0	3227	0	72.1	12-100	0				
<i>Surr: 4-Terphenyl-d14</i>	3762	0	3227	0	117	25-137	0				
<i>Surr: Nitrobenzene-d5</i>	2339	0	3227	0	72.5	37-107	0				

MSD		Sample ID: <b>1409698-03B MSD</b>				Units: <b>µg/Kg</b>		Analysis Date: <b>9/20/2014 07:23 PM</b>			
Client ID:		Run ID: <b>SVMS5_140920A</b>				SeqNo: <b>2946216</b>		Prep Date: <b>9/19/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzo(a)pyrene	1720	13	1299	0	132	50-110	1633	5.22	30	S	
<i>Surr: 2-Fluorobiphenyl</i>	2659	0	3249	0	81.8	12-100	2327	13.3	40		
<i>Surr: 4-Terphenyl-d14</i>	3825	0	3249	0	118	25-137	3762	1.66	40		
<i>Surr: Nitrobenzene-d5</i>	2706	0	3249	0	83.3	37-107	2339	14.6	40		

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc  
 Work Order: 1409939  
 Project: Caerus Garden Gulch 6 PBV Removal 9.18.14

# QC BATCH REPORT

Batch ID: **R148637** Instrument ID **MOIST** Method: **A2540 G**

<b>MBLK</b>	Sample ID: <b>WBLKS-R148637</b>				Units: % of sample			Analysis Date: <b>9/19/2014 04:40 PM</b>		
Client ID:	Run ID: <b>MOIST_140919A</b>			SeqNo: <b>2946143</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

<b>LCS</b>	Sample ID: <b>LCS-R148637</b>				Units: % of sample			Analysis Date: <b>9/19/2014 04:40 PM</b>		
Client ID:	Run ID: <b>MOIST_140919A</b>			SeqNo: <b>2946142</b>		Prep Date:		DF: <b>1</b>		
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

<b>DUP</b>	Sample ID: <b>1409891-09A DUP</b>				Units: % of sample			Analysis Date: <b>9/19/2014 04:40 PM</b>		
Client ID:	Run ID: <b>MOIST_140919A</b>			SeqNo: <b>2946133</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.16 0.050 0 0 0 0-0 11.14 0.179 20

<b>DUP</b>	Sample ID: <b>1409915-01A DUP</b>				Units: % of sample			Analysis Date: <b>9/19/2014 04:40 PM</b>		
Client ID:	Run ID: <b>MOIST_140919A</b>			SeqNo: <b>2946141</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 73.79 0.050 0 0 0 0-0 73.56 0.312 20

The following samples were analyzed in this batch: 1409939-01A



Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **19-Sep-14 09:00**

Work Order: **1409939**

Received by: **JR**

Checklist completed by Joseph Rebar 19-Sep-14  
eSignature Date

Reviewed by: Ann Preston 19-Sep-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):	<input type="text" value="3.8C"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="9/19/2014 11:09:36 AM"/>		
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:	<input type="text"/>		

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Parachute Custody Seal

DATE 9-18 Time 1:00

Name [Signature]



02-Oct-2014

Casey Richardson  
HRL Compliance Solutions, Inc  
2385 F 1/2 Road  
Grand Junction, CO 81505

Re: **Caerus Garden Gulch 6 9.24.14**

Work Order: **14091232**

Dear Casey,

ALS Environmental received 3 samples on 25-Sep-2014 09:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 16.

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

Sincerely,

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

Electronically approved by: Ann Preston

Ann Preston  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

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

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

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**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 9.24.14  
**Work Order:** 14091232

**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>
14091232-01	BKGD 01	Soil		9/24/2014 10:55	9/25/2014 09:30	<input type="checkbox"/>
14091232-02	BKGD 02	Soil		9/24/2014 10:58	9/25/2014 09:30	<input type="checkbox"/>
14091232-03	BKGD 03	Soil		9/24/2014 11:02	9/25/2014 09:30	<input type="checkbox"/>

---

**Client:** HRL Compliance Solutions, Inc  
**Project:** Caerus Garden Gulch 6 9.24.14  
**Work Order:** 14091232

---

**Case Narrative**

Batch 63259 MS/MSD data for Arsenic is not related to this project's samples. No data requires qualification.

<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 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

<u>Acronym</u>	<u>Description</u>
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

<u>Units Reported</u>	<u>Description</u>
% 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: 02-Oct-14

**Client:** HRL Compliance Solutions, Inc

**Project:** Caerus Garden Gulch 6 9.24.14

**Sample ID:** BKGD 01

**Collection Date:** 9/24/2014 10:55 AM

**Work Order:** 14091232

**Lab ID:** 14091232-01

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW846 6010C</b>		Prep: USDA Method 20B / 9/28/14	Analyst: <b>JEC</b>
Calcium	230		5.0	mg/L	10	9/29/2014 12:07 PM
Magnesium	45		2.0	mg/L	10	9/29/2014 12:07 PM
Sodium	20		2.0	mg/L	10	9/29/2014 12:07 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 9/26/14	Analyst: <b>ML</b>
Arsenic	22		2.5	mg/Kg-dry	5	9/28/2014 11:16 PM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHOD</b>		Prep: USDA Method 20B / 9/28/14	Analyst: <b>JEC</b>
Sodium Adsorption Ratio	0.32		0.010	none	1	9/29/2014
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHOD</b>		Prep: USDA Method 20B / 9/28/14	Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	1.6		0.050	mmhos/cm @25	10	9/29/2014 10:00 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>RLM</b>
Moisture	22		0.050	% of sample	1	9/29/2014 08:15 PM
<b>PH</b>			<b>SW9045D</b>		Prep: EXTRACT / 9/25/14	Analyst: <b>STP</b>
pH	7.8			s.u.	1	9/25/2014 04:55 PM

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

**ALS Group USA, Corp**

Date: 02-Oct-14

**Client:** HRL Compliance Solutions, Inc

**Project:** Caerus Garden Gulch 6 9.24.14

**Sample ID:** BKGD 02

**Collection Date:** 9/24/2014 10:58 AM

**Work Order:** 14091232

**Lab ID:** 14091232-02

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 9/26/14	Analyst: <b>ML</b>
Arsenic	23		2.1	mg/Kg-dry	5	9/28/2014 11:22 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>RLM</b>
Moisture	20		0.050	% of sample	1	9/29/2014 08:15 PM

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

**ALS Group USA, Corp**

Date: 02-Oct-14

**Client:** HRL Compliance Solutions, Inc

**Project:** Caerus Garden Gulch 6 9.24.14

**Sample ID:** BKGD 03

**Collection Date:** 9/24/2014 11:02 AM

**Work Order:** 14091232

**Lab ID:** 14091232-03

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 9/26/14	Analyst: <b>ML</b>
Arsenic	28		2.2	mg/Kg-dry	5	9/28/2014 11:28 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>RLM</b>
Moisture	16		0.050	% of sample	1	9/29/2014 08:15 PM

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 14091232  
**Project:** Caerus Garden Gulch 6 9.24.14

**QC BATCH REPORT**

Batch ID: **63260** Instrument ID **ICP2** Method: **SW846 6010C**

<b>DUP</b>	Sample ID: <b>14091232-01BDUP</b>				Units: <b>mg/L</b>	Analysis Date: <b>9/29/2014 12:13 PM</b>				
Client ID: <b>BKGD 01</b>	Run ID: <b>ICP2_140929A</b>			SeqNo: <b>2956859</b>	Prep Date: <b>9/28/2014</b>	DF: <b>10</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	273.3	5.0	0	0	0	0-0	0		0	
Magnesium	55.07	2.0	0	0	0	0-0	0		0	
Sodium	22.56	2.0	0	0	0	0-0	0		0	

The following samples were analyzed in this batch: 14091232-01B

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 14091232  
**Project:** Caerus Garden Gulch 6 9.24.14

## QC BATCH REPORT

Batch ID: **63259**      Instrument ID **ICPMS1**      Method: **SW6020A**

<b>MBLK</b>		Sample ID: <b>MBLK-63259-63259</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/28/2014 08:38 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140928A</b>			SeqNo: <b>2955963</b>		Prep Date: <b>9/26/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      ND      0.25

<b>LCS</b>		Sample ID: <b>LCS-63259-63259</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/28/2014 08:44 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140928A</b>			SeqNo: <b>2955964</b>		Prep Date: <b>9/26/2014</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      4.58      0.25      5      0      91.6      80-120      0

<b>MS</b>		Sample ID: <b>14091292-12BMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/28/2014 10:03 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140928A</b>			SeqNo: <b>2955977</b>		Prep Date: <b>9/26/2014</b>		DF: <b>4</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      11.64      1.3      6.266      7.473      66.5      75-125      0      S

<b>MSD</b>		Sample ID: <b>14091292-12BMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>9/28/2014 10:09 PM</b>		
Client ID:		Run ID: <b>ICPMS1_140928A</b>			SeqNo: <b>2955978</b>		Prep Date: <b>9/26/2014</b>		DF: <b>4</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic      11.04      1.3      6.329      7.473      56.3      75-125      11.64      5.32      25      S

**The following samples were analyzed in this batch:**      14091232-01A      14091232-02A      14091232-03A

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

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 14091232  
**Project:** Caerus Garden Gulch 6 9.24.14

# QC BATCH REPORT

Batch ID: **63260** Instrument ID **SAR** Method: **USDA H60 Method**

<b>DUP</b>	Sample ID: <b>14091232-01BDUP</b>		Units: <b>none</b>		Analysis Date: <b>9/29/2014</b>					
Client ID: <b>BKGD 01</b>	Run ID: <b>SAR_140929A</b>		SeqNo: <b>2957476</b>		Prep Date: <b>9/28/2014</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	0.3251	0.010	0	0	0		0.3244	0.239	50	

The following samples were analyzed in this batch:

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 14091232  
**Project:** Caerus Garden Gulch 6 9.24.14

# QC BATCH REPORT

Batch ID: **63232**      Instrument ID **WETCHEM**      Method: **SW9045D**

<b>DUP</b>	Sample ID: <b>14091254-01A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>9/25/2014 04:55 PM</b>			
Client ID:	Run ID: <b>WETCHEM_140925U</b>			SeqNo: <b>2953684</b>		Prep Date: <b>9/25/2014</b>		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.39	0	0	0	0	0-0	7.42	0.405	20	

**The following samples were analyzed in this batch:**

**Client:** HRL Compliance Solutions, Inc  
**Work Order:** 14091232  
**Project:** Caerus Garden Gulch 6 9.24.14

# QC BATCH REPORT

Batch ID: **63260**      Instrument ID **WETCHEM**      Method: **USDA H60 Method**

<b>DUP</b>	Sample ID: <b>14091232-01B DUP</b>		Units: <b>mmhos/cm @25°C</b>		Analysis Date: <b>9/29/2014 10:00 AM</b>					
Client ID: <b>BKGD 01</b>	Run ID: <b>WETCHEM_140929B</b>		SeqNo: <b>2956050</b>		Prep Date: <b>9/28/2014</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	1.877	0.050	0	0	0		1.596	16.2	50	

**The following samples were analyzed in this batch:**

Client: HRL Compliance Solutions, Inc  
 Work Order: 14091232  
 Project: Caerus Garden Gulch 6 9.24.14

# QC BATCH REPORT

Batch ID: **R149191** Instrument ID **MOIST** Method: **A2540 G**

<b>MBLK</b>	Sample ID: <b>WBLKS-R149191</b>				Units: % of sample			Analysis Date: <b>9/29/2014 08:15 PM</b>		
Client ID:	Run ID: <b>MOIST_140929E</b>			SeqNo: <b>2959632</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

<b>LCS</b>	Sample ID: <b>LCS-R149191</b>				Units: % of sample			Analysis Date: <b>9/29/2014 08:15 PM</b>		
Client ID:	Run ID: <b>MOIST_140929E</b>			SeqNo: <b>2959631</b>		Prep Date:		DF: <b>1</b>		
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

<b>DUP</b>	Sample ID: <b>14091234-01B DUP</b>				Units: % of sample			Analysis Date: <b>9/29/2014 08:15 PM</b>		
Client ID:	Run ID: <b>MOIST_140929E</b>			SeqNo: <b>2959606</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 22.89 0.050 0 0 0 0-0 21.52 6.17 20

<b>DUP</b>	Sample ID: <b>14091295-06A DUP</b>				Units: % of sample			Analysis Date: <b>9/29/2014 08:15 PM</b>		
Client ID:	Run ID: <b>MOIST_140929E</b>			SeqNo: <b>2959625</b>		Prep Date:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 51.72 0.050 0 0 0 0-0 50.81 1.78 20

The following samples were analyzed in this batch: 14091232-01A 14091232-02A 14091232-03A

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



Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **25-Sep-14 09:30**

Work Order: **14091232**

Received by: **DS**

Checklist completed by Diane Shaw 25-Sep-14  
eSignature Date

Reviewed by: Ann Preston 25-Sep-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):	<input type="text" value="3.6 c"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="9/25/2014 11:13:08 AM"/>		
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:	<input type="text"/>		

Login Notes:

-----

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Frees: (616) 399-8070  
Not Mailable  
ALS Environmental  
127 E. 1st Street

Origin ID: RLA

FedEx  
Express



142214221422

PARACHUTE, CO 81635

Ship Date: 24SEP14  
Addr: 70.0 LB  
CAD: 228-4649-NET3550

Dim: 24 X 15 X 15 IN

Delivery Address Bar Code



Ref # 062414-1  
Invoice #  
PO # Parachute  
Dept #

SHIP TO: (616) 399-8070  
sample receiving  
ALS Laboratory Group  
3352 128TH AVE

BILL BENDER

HOLLAND, MI 49424

1 of 5

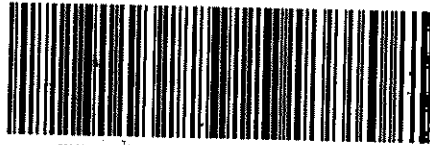
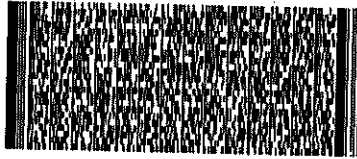
THU - 25 SEP 10:30A  
PRIORITY OVERNIGHT

TRK 7712 7281 4087

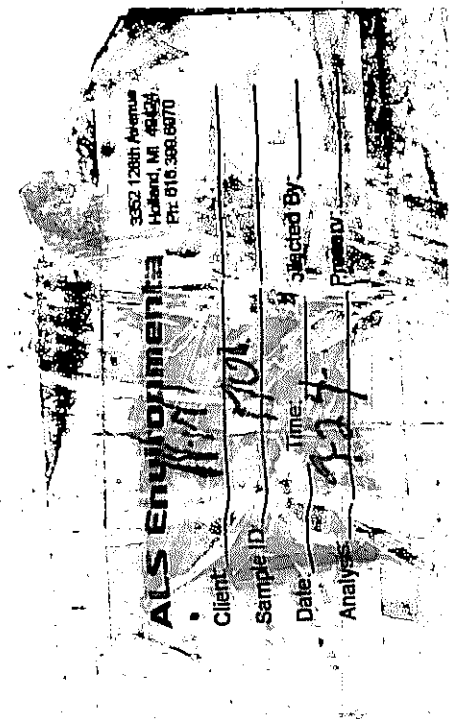
291  
## MASTER #

XX HLMA

49424  
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