

Starkey 7 (Puckett 13D-31D) (Location ID 335092)
Partially Buried Vessel Removal (Non-Facility ID 435756)
Form 4 (Notice of Completion)
Narrative Attachment

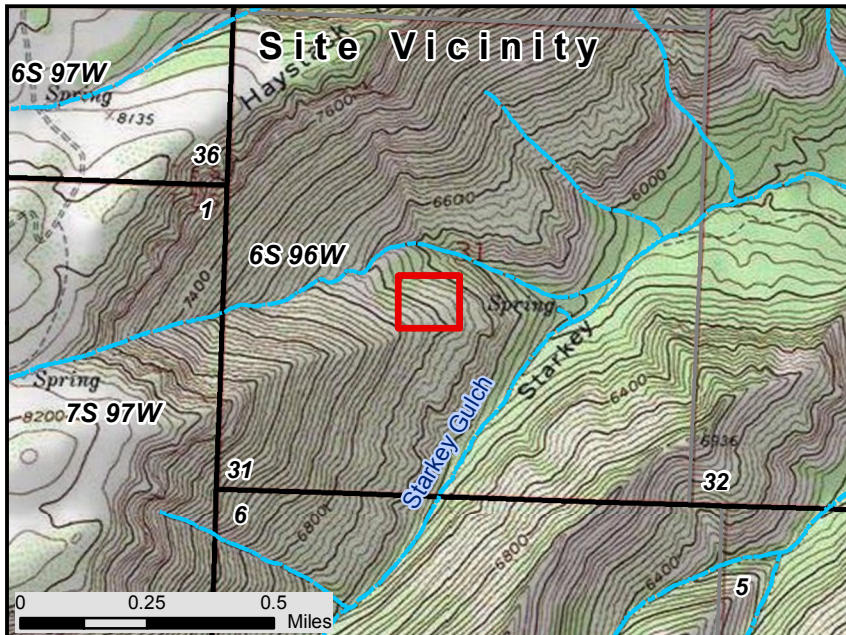
This Form 4 (Notice of Completion) was prepared for the purpose of describing completed work associated with the assessment of soil during the removal of a partially buried vessel (PBV) (Non-Facility ID 435756) at the Starkey 7 (Puckett 13D-31D) (Location ID 335092) in the Caerus Piceance, LLC (Caerus) area of operations. This assessment was conducted using procedures approved under Colorado Oil and Gas Conservation Commission (COGCC) Remediation #8164. A Form 19 was submitted to the COGCC, but at the time of reporting, a spill/release tracking number had not been assigned. However, based on analytical data, Carlos Lujan of the COGCC approved the closure of this project without this tracking number. A Sample Location Map is included as an attachment to this form.

Upon removing the PBV from the ground, visual observations and field screening of soil around and below the tank indicated that impacted soil was present. Excavation of the impacted soil was conducted and field screen readings were utilized to determine the extent of the impacts.

On August 15, 2013 confirmation soil samples were collected from the soil around and beneath the removed PBV (North Wall 7', Footprint 12', West Wall 6', East Wall 6', and South Wall 6'). 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 or were within background concentrations, except for the pH and sodium adsorption ratio (SAR) measurements of soil samples Footprint 12' and North Wall 7'. However, these confirmation samples were collected at a depth greater than three feet below the ground surface and the COGCC does not apply the Concentration Levels for pH and SAR to soils deeper than three feet below ground surface. Background samples were collected from an undisturbed area northwest 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.

All impacted soil removed during excavation activities was remediated onsite to below COGCC Table 910-1 Concentration Levels by utilizing ex-situ remediation technologies. On September 12, 2013, a confirmation soil sample was collected from the removed soil (Spoils-Confirmation). The soil sample was submitted for laboratory analysis of all COGCC Table 910-1 analytes. Analytical results indicate the confirmation soil sample was in compliance with COGCC Table 910-1 Concentration Levels for all analytes or were within background concentrations. Laboratory analytical results are summarized in the attached analytical table and laboratory analytical reports are included as an attachment. The remediated soil was used to backfill the excavation.

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



Sample Location Map

Location: Starkey 7

39.478641 -108.151738
T6S R96W Sec 31 NESW

- Sample Point
- Township & Range
- Caerus Pad
- Section
- Perennial Stream
- Excavation Area
- - - Intermittent Stream
- Ditch/Canal
- Roads



0 50 100 Feet



HRL COMPLIANCE SOLUTIONS, INC.
Environmental Consultants

Caerus Piceance LLC
 Starkey 7 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 7'	South Wall 6'	East Wall 6'	West Wall 6'	Footprint, 12'	BKGD 1	BKGD 2	BKGD 3	Spoils - Confirmation
Sample Date			8/15/2013	8/15/2013	8/15/2013	8/15/2013	8/20/2013	11/7/2012	11/7/2012	11/7/2012	9/12/2013
Organics											
TEPH (DRO)	500	mg/kg	72	48	53	45	60	NA	NA	NA	56
TVPH (GRO)	500	mg/kg	ND	ND	ND	ND	14	NA	NA	NA	6.0
TPH	500	mg/kg	72	48	53	45	74	NA	NA	NA	62
BENZENE	0.17	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
TOLUENE	85	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
ETHYLBENZENE	100	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
XYLENE TOTAL	175	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
ACENAPHTHENE	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
ANTHRACENE	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
BENZO(A)ANTHRACENE	0.22	mg/kg	ND	ND	ND	ND	0.021	NA	NA	NA	ND
BENZO(A)PYRENE	0.022	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
BENZO(B)FLUORANTHENE	0.22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
BENZO(K)FLUORANTHENE	2.2	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
CHRYSENE	22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
DIBENZO(A,H)ANTHRACENE	0.022	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
FLUORANTHENE	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
FLUORENE	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
INDENO(1,2,3-CD)PYRENE	0.22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
NAPHTHALENE	23	mg/kg	ND	ND	ND	ND	0.065	NA	NA	NA	ND
PYRENE	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
Metals											
MERCURY	23	mg/kg	0.030	0.041	0.037	0.033	0.025	NA	NA	NA	0.026
ARSENIC	0.39	mg/kg	5.5	9.2	10	7.9	4.3	10	17	9.3	9.8
BARIIUM	15,000	mg/kg	240	380	460	570	280	NA	NA	NA	470
CADMIUM	70	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
CHROMIUM (III)	120,000	mg/kg	9.5	16	15	14	12	NA	NA	NA	19
CHROMIUM (VI)	23	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	0.78
COPPER	3,100	mg/kg	10	19	20	19	16	NA	NA	NA	21
LEAD	400	mg/kg	7.7	14	19	17	10	NA	NA	NA	15
NICKEL	1,600	mg/kg	11	17	18	16	18	NA	NA	NA	19
SELENIUM	390	mg/kg	ND	ND	ND	ND	1.8	NA	NA	NA	ND
SILVER	390	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	ND
ZINC	23,000	mg/kg	30	63	61	61	74	NA	NA	NA	67
Inorganics											
Sodium Absorption Ratio	<12	unitless	4.5	4.2	4.5	4.4	30	0.97	NA	NA	1.4
Electric Conductivity	<4mmhos/cm or 2x background	mmhos/cm	0.96	1.3	1.6	0.63	1.2	0.80	NA	NA	2.4
pH	6 to 9	SU	9.0	8.7	8.8	8.9	9.4	8.96	NA	NA	8.9

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



26-Aug-2013

Herman Lucero
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **Caerus Starkey 6/7 Tank Removal 8/15/13**

Work Order: **1308625**

Dear Herman,

ALS Environmental received 4 samples on 16-Aug-2013 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 28.

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

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Caerus Starkey 6/7 Tank Removal 8/15/13
Work Order: 1308625

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>
1308625-01	North Wall 7'	Soil		8/15/2013 13:50	8/16/2013 10:00	<input type="checkbox"/>
1308625-02	South Wall 6'	Soil		8/15/2013 14:35	8/16/2013 10:00	<input type="checkbox"/>
1308625-03	East Wall 6'	Soil		8/15/2013 13:15	8/16/2013 10:00	<input type="checkbox"/>
1308625-04	West Wall 6'	Soil		8/15/2013 14:07	8/16/2013 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Caerus Starkey 6/7 Tank Removal 8/15/13
Work Order: 1308625

Case Narrative

Batch 50644 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 50645 MS/MSD data for Mercury is not related to this project's samples. No data requires qualification.

Client: HRL Compliance Solutions
Project: Caerus Starkey 6/7 Tank Removal 8/15/13
WorkOrder: 1308625

**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
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
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: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: North Wall 7'

Lab ID: 1308625-01

Collection Date: 8/15/2013 01:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/19/2013	Analyst: CW
DRO (C10-C28)	72		4.6	mg/Kg-dry	1	8/19/2013 07:21 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>60.1</i>		<i>39-115</i>	<i>%REC</i>	1	8/19/2013 07:21 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 8/19/2013	Analyst: CW
GRO (C6-C10)	ND		2.8	mg/Kg-dry	1	8/19/2013 08:21 PM
<i>Surr: Toluene-d8</i>	<i>106</i>		<i>50-150</i>	<i>%REC</i>	1	8/19/2013 08:21 PM
MERCURY BY CVAA			SW7471		Prep Date: 8/19/2013	Analyst: LR
Mercury	0.030		0.018	mg/Kg-dry	1	8/19/2013 04:57 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/19/2013	Analyst: ML
Arsenic	5.5		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Barium	240		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Cadmium	ND		0.72	mg/Kg-dry	5	8/19/2013 06:26 PM
Chromium	9.7		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Copper	10		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Lead	7.7		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Nickel	11		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Selenium	ND		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Silver	ND		1.8	mg/Kg-dry	5	8/19/2013 06:26 PM
Zinc	30		3.6	mg/Kg-dry	5	8/19/2013 06:26 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/23/2013	Analyst: RH
Calcium	21		10	mg/L	20	8/23/2013 05:57 PM
Magnesium	21		4.0	mg/L	20	8/23/2013 05:57 PM
Sodium	120		4.0	mg/L	20	8/23/2013 05:57 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: RH
Sodium Adsorption Ratio	4.5		0.010	none	1	8/23/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 8/19/2013	Analyst: RM
Acenaphthene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Acenaphthylene	ND		33	µg/Kg-dry	1	8/20/2013 02:34 PM
Anthracene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Benzo(a)anthracene	ND		19	µg/Kg-dry	1	8/20/2013 02:34 PM
Benzo(a)pyrene	ND		19	µg/Kg-dry	1	8/20/2013 02:34 PM
Benzo(b)fluoranthene	ND		20	µg/Kg-dry	1	8/20/2013 02:34 PM
Benzo(g,h,i)perylene	ND		31	µg/Kg-dry	1	8/20/2013 02:34 PM
Benzo(k)fluoranthene	ND		20	µg/Kg-dry	1	8/20/2013 02:34 PM
Chrysene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Dibenzo(a,h)anthracene	ND		20	µg/Kg-dry	1	8/20/2013 02:34 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: North Wall 7'

Lab ID: 1308625-01

Collection Date: 8/15/2013 01:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Indeno(1,2,3-cd)pyrene	ND		22	µg/Kg-dry	1	8/20/2013 02:34 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Pyrene	ND		17	µg/Kg-dry	1	8/20/2013 02:34 PM
Surr: 2-Fluorobiphenyl	72.1		12-100	%REC	1	8/20/2013 02:34 PM
Surr: 4-Terphenyl-d14	102		25-137	%REC	1	8/20/2013 02:34 PM
Surr: Nitrobenzene-d5	56.3		37-107	%REC	1	8/20/2013 02:34 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/19/2013	Analyst: RS
Benzene	ND		34	µg/Kg-dry	1	8/19/2013 02:49 PM
Ethylbenzene	ND		34	µg/Kg-dry	1	8/19/2013 02:49 PM
m,p-Xylene	ND		67	µg/Kg-dry	1	8/19/2013 02:49 PM
o-Xylene	ND		34	µg/Kg-dry	1	8/19/2013 02:49 PM
Toluene	ND		34	µg/Kg-dry	1	8/19/2013 02:49 PM
Xylenes, Total	ND		100	µg/Kg-dry	1	8/19/2013 02:49 PM
Surr: 1,2-Dichloroethane-d4	114		70-130	%REC	1	8/19/2013 02:49 PM
Surr: 4-Bromofluorobenzene	107		70-130	%REC	1	8/19/2013 02:49 PM
Surr: Dibromofluoromethane	111		70-130	%REC	1	8/19/2013 02:49 PM
Surr: Toluene-d8	110		70-130	%REC	1	8/19/2013 02:49 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: KF
Electrical Conductivity @ Saturation	0.96		0.12	mmhos/cm @25	25	8/23/2013 02:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	9.5		0.56	mg/Kg-dry	1	8/20/2013 03:30 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/19/2013	Analyst: MB
Chromium, Hexavalent	ND		0.57	mg/Kg-dry	1	8/20/2013 01:15 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	11		0.050	% of sample	1	8/19/2013 11:45 AM
PH			SW9045D		Prep Date: 8/19/2013	Analyst: JB
pH	9.0			s.u.	1	8/19/2013 03:30 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: South Wall 6'

Lab ID: 1308625-02

Collection Date: 8/15/2013 02:35 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/19/2013	Analyst: CW
DRO (C10-C28)	48		4.8	mg/Kg-dry	1	8/19/2013 07:51 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>60.4</i>		<i>39-115</i>	<i>%REC</i>	1	8/19/2013 07:51 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 8/19/2013	Analyst: CW
GRO (C6-C10)	ND		2.9	mg/Kg-dry	1	8/19/2013 08:46 PM
<i>Surr: Toluene-d8</i>	<i>122</i>		<i>50-150</i>	<i>%REC</i>	1	8/19/2013 08:46 PM
MERCURY BY CVAA			SW7471		Prep Date: 8/19/2013	Analyst: LR
Mercury	0.041		0.018	mg/Kg-dry	1	8/19/2013 04:59 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/19/2013	Analyst: ML
Arsenic	9.2		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Barium	380		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Cadmium	ND		0.79	mg/Kg-dry	5	8/19/2013 06:32 PM
Chromium	16		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Copper	19		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Lead	14		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Nickel	17		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Selenium	ND		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Silver	ND		2.0	mg/Kg-dry	5	8/19/2013 06:32 PM
Zinc	63		4.0	mg/Kg-dry	5	8/19/2013 06:32 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/23/2013	Analyst: RH
Calcium	30		10	mg/L	20	8/23/2013 06:03 PM
Magnesium	34		4.0	mg/L	20	8/23/2013 06:03 PM
Sodium	140		4.0	mg/L	20	8/23/2013 06:03 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: RH
Sodium Adsorption Ratio	4.2		0.010	none	1	8/23/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 8/19/2013	Analyst: RM
Acenaphthene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Acenaphthylene	ND		35	µg/Kg-dry	1	8/20/2013 02:53 PM
Anthracene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	8/20/2013 02:53 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	8/20/2013 02:53 PM
Benzo(b)fluoranthene	ND		21	µg/Kg-dry	1	8/20/2013 02:53 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	8/20/2013 02:53 PM
Benzo(k)fluoranthene	ND		21	µg/Kg-dry	1	8/20/2013 02:53 PM
Chrysene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Dibenzo(a,h)anthracene	ND		21	µg/Kg-dry	1	8/20/2013 02:53 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: South Wall 6'

Lab ID: 1308625-02

Collection Date: 8/15/2013 02:35 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/20/2013 02:53 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Pyrene	ND		17	µg/Kg-dry	1	8/20/2013 02:53 PM
Surr: 2-Fluorobiphenyl	78.5		12-100	%REC	1	8/20/2013 02:53 PM
Surr: 4-Terphenyl-d14	108		25-137	%REC	1	8/20/2013 02:53 PM
Surr: Nitrobenzene-d5	69.2		37-107	%REC	1	8/20/2013 02:53 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/19/2013	Analyst: AK
Benzene	ND		35	µg/Kg-dry	1	8/19/2013 01:57 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	8/19/2013 01:57 PM
m,p-Xylene	ND		70	µg/Kg-dry	1	8/19/2013 01:57 PM
o-Xylene	ND		35	µg/Kg-dry	1	8/19/2013 01:57 PM
Toluene	ND		35	µg/Kg-dry	1	8/19/2013 01:57 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/19/2013 01:57 PM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	1	8/19/2013 01:57 PM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	8/19/2013 01:57 PM
Surr: Dibromofluoromethane	99.7		70-130	%REC	1	8/19/2013 01:57 PM
Surr: Toluene-d8	100		70-130	%REC	1	8/19/2013 01:57 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: KF
Electrical Conductivity @ Saturation	1.3		0.12	mmhos/cm @25	25	8/23/2013 02:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	16		0.59	mg/Kg-dry	1	8/20/2013 03:30 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/19/2013	Analyst: MB
Chromium, Hexavalent	ND		0.58	mg/Kg-dry	1	8/20/2013 01:15 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	15		0.050	% of sample	1	8/19/2013 11:45 AM
PH			SW9045D		Prep Date: 8/19/2013	Analyst: JB
pH	8.7			s.u.	1	8/19/2013 03:30 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: East Wall 6'

Lab ID: 1308625-03

Collection Date: 8/15/2013 01:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/19/2013	Analyst: CW
DRO (C10-C28)	53		5.1	mg/Kg-dry	1	8/19/2013 08:21 PM
<i>Surr: 4-Terphenyl-d14</i>	58.9		39-115	%REC	1	8/19/2013 08:21 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 8/19/2013	Analyst: CW
GRO (C6-C10)	ND		3.1	mg/Kg-dry	1	8/19/2013 09:11 PM
<i>Surr: Toluene-d8</i>	125		50-150	%REC	1	8/19/2013 09:11 PM
MERCURY BY CVAA			SW7471		Prep Date: 8/19/2013	Analyst: LR
Mercury	0.037		0.018	mg/Kg-dry	1	8/19/2013 05:01 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/19/2013	Analyst: ML
Arsenic	10		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Barium	460		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Cadmium	ND		0.89	mg/Kg-dry	5	8/19/2013 06:38 PM
Chromium	15		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Copper	20		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Lead	19		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Nickel	18		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Selenium	ND		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Silver	ND		2.2	mg/Kg-dry	5	8/19/2013 06:38 PM
Zinc	61		4.5	mg/Kg-dry	5	8/19/2013 06:38 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/23/2013	Analyst: RH
Calcium	43		10	mg/L	20	8/23/2013 06:09 PM
Magnesium	51		4.0	mg/L	20	8/23/2013 06:09 PM
Sodium	180		4.0	mg/L	20	8/23/2013 06:09 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: RH
Sodium Adsorption Ratio	4.5		0.010	none	1	8/23/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 8/19/2013	Analyst: RM
Acenaphthene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Acenaphthylene	ND		37	µg/Kg-dry	1	8/20/2013 03:13 PM
Anthracene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Benzo(a)anthracene	ND		21	µg/Kg-dry	1	8/20/2013 03:13 PM
Benzo(a)pyrene	ND		21	µg/Kg-dry	1	8/20/2013 03:13 PM
Benzo(b)fluoranthene	ND		22	µg/Kg-dry	1	8/20/2013 03:13 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	8/20/2013 03:13 PM
Benzo(k)fluoranthene	ND		22	µg/Kg-dry	1	8/20/2013 03:13 PM
Chrysene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Dibenzo(a,h)anthracene	ND		22	µg/Kg-dry	1	8/20/2013 03:13 PM
Fluoranthene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: East Wall 6'

Lab ID: 1308625-03

Collection Date: 8/15/2013 01:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Indeno(1,2,3-cd)pyrene	ND		24	µg/Kg-dry	1	8/20/2013 03:13 PM
Naphthalene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Pyrene	ND		18	µg/Kg-dry	1	8/20/2013 03:13 PM
Surr: 2-Fluorobiphenyl	76.6		12-100	%REC	1	8/20/2013 03:13 PM
Surr: 4-Terphenyl-d14	110		25-137	%REC	1	8/20/2013 03:13 PM
Surr: Nitrobenzene-d5	68.9		37-107	%REC	1	8/20/2013 03:13 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/19/2013	Analyst: AK
Benzene	ND		37	µg/Kg-dry	1	8/19/2013 02:21 PM
Ethylbenzene	ND		37	µg/Kg-dry	1	8/19/2013 02:21 PM
m,p-Xylene	ND		75	µg/Kg-dry	1	8/19/2013 02:21 PM
o-Xylene	ND		37	µg/Kg-dry	1	8/19/2013 02:21 PM
Toluene	ND		37	µg/Kg-dry	1	8/19/2013 02:21 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/19/2013 02:21 PM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	8/19/2013 02:21 PM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	8/19/2013 02:21 PM
Surr: Dibromofluoromethane	96.4		70-130	%REC	1	8/19/2013 02:21 PM
Surr: Toluene-d8	97.8		70-130	%REC	1	8/19/2013 02:21 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: KF
Electrical Conductivity @ Saturation	1.6		0.12	mmhos/cm @25	25	8/23/2013 02:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	15		0.62	mg/Kg-dry	1	8/20/2013 03:30 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/19/2013	Analyst: MB
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	8/20/2013 01:15 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	20		0.050	% of sample	1	8/19/2013 11:45 AM
PH			SW9045D		Prep Date: 8/19/2013	Analyst: JB
pH	8.8			s.u.	1	8/19/2013 03:30 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: West Wall 6'

Lab ID: 1308625-04

Collection Date: 8/15/2013 02:07 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/19/2013	Analyst: CW
DRO (C10-C28)	45		4.9	mg/Kg-dry	1	8/19/2013 09:21 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>56.0</i>		<i>39-115</i>	<i>%REC</i>	1	8/19/2013 09:21 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 8/19/2013	Analyst: CW
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	8/19/2013 09:36 PM
<i>Surr: Toluene-d8</i>	<i>127</i>		<i>50-150</i>	<i>%REC</i>	1	8/19/2013 09:36 PM
MERCURY BY CVAA			SW7471		Prep Date: 8/19/2013	Analyst: LR
Mercury	0.033		0.017	mg/Kg-dry	1	8/19/2013 05:03 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/19/2013	Analyst: ML
Arsenic	7.9		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Barium	570		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Cadmium	ND		0.81	mg/Kg-dry	5	8/19/2013 06:44 PM
Chromium	14		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Copper	19		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Lead	17		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Nickel	16		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Selenium	ND		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Silver	ND		2.0	mg/Kg-dry	5	8/19/2013 06:44 PM
Zinc	61		4.1	mg/Kg-dry	5	8/19/2013 06:44 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/23/2013	Analyst: RH
Calcium	13		10	mg/L	20	8/23/2013 06:14 PM
Magnesium	15		4.0	mg/L	20	8/23/2013 06:14 PM
Sodium	98		4.0	mg/L	20	8/23/2013 06:14 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: RH
Sodium Adsorption Ratio	4.4		0.010	none	1	8/23/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 8/19/2013	Analyst: RM
Acenaphthene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Acenaphthylene	ND		35	µg/Kg-dry	1	8/20/2013 03:32 PM
Anthracene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	8/20/2013 03:32 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	8/20/2013 03:32 PM
Benzo(b)fluoranthene	ND		21	µg/Kg-dry	1	8/20/2013 03:32 PM
Benzo(g,h,i)perylene	ND		33	µg/Kg-dry	1	8/20/2013 03:32 PM
Benzo(k)fluoranthene	ND		21	µg/Kg-dry	1	8/20/2013 03:32 PM
Chrysene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Dibenzo(a,h)anthracene	ND		21	µg/Kg-dry	1	8/20/2013 03:32 PM
Fluoranthene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM

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

ALS Group USA, Corp

Date: 26-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Work Order: 1308625

Sample ID: West Wall 6'

Lab ID: 1308625-04

Collection Date: 8/15/2013 02:07 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/20/2013 03:32 PM
Naphthalene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Pyrene	ND		18	µg/Kg-dry	1	8/20/2013 03:32 PM
Surr: 2-Fluorobiphenyl	78.7		12-100	%REC	1	8/20/2013 03:32 PM
Surr: 4-Terphenyl-d14	106		25-137	%REC	1	8/20/2013 03:32 PM
Surr: Nitrobenzene-d5	69.9		37-107	%REC	1	8/20/2013 03:32 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/19/2013	Analyst: AK
Benzene	ND		36	µg/Kg-dry	1	8/19/2013 02:44 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	8/19/2013 02:44 PM
m,p-Xylene	ND		72	µg/Kg-dry	1	8/19/2013 02:44 PM
o-Xylene	ND		36	µg/Kg-dry	1	8/19/2013 02:44 PM
Toluene	ND		36	µg/Kg-dry	1	8/19/2013 02:44 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/19/2013 02:44 PM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	8/19/2013 02:44 PM
Surr: 4-Bromofluorobenzene	98.6		70-130	%REC	1	8/19/2013 02:44 PM
Surr: Dibromofluoromethane	99.0		70-130	%REC	1	8/19/2013 02:44 PM
Surr: Toluene-d8	99.0		70-130	%REC	1	8/19/2013 02:44 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: KF
Electrical Conductivity @ Saturation	0.63		0.050	mmhos/cm @25	10	8/23/2013 02:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	14		0.60	mg/Kg-dry	1	8/20/2013 03:30 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/19/2013	Analyst: MB
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	8/20/2013 01:15 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	17		0.050	% of sample	1	8/19/2013 11:45 AM
PH			SW9045D		Prep Date: 8/19/2013	Analyst: JB
pH	8.9			s.u.	1	8/19/2013 03:30 PM

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

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1308625

Project: Caerus Starkey 6/7 Tank Removal 8/15/13

Batch ID: **50635**

Instrument ID **GC8**

Method: **SW8015M**

MBLK		Sample ID: DBLKS1-50635-50635				Units: mg/Kg		Analysis Date: 8/19/2013 03:50 PM		
Client ID:		Run ID: GC8_130819A				SeqNo: 2418506		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
<i>Surr: 4-Terphenyl-d14</i>	0.8227	0	1.667	0	49.4	39-115	0			

LCS		Sample ID: DLCSS1-50635-50635				Units: mg/Kg		Analysis Date: 8/19/2013 04:20 PM		
Client ID:		Run ID: GC8_130819A				SeqNo: 2418507		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	151.5	4.2	166.7	0	90.9	49-124	0			
<i>Surr: 4-Terphenyl-d14</i>	1.023	0	1.667	0	61.4	39-115	0			

MS		Sample ID: 1308663-01B MS				Units: mg/Kg		Analysis Date: 8/19/2013 04:51 PM		
Client ID:		Run ID: GC8_130819A				SeqNo: 2418508		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	298.6	8.2	326.9	26.31	83.3	49-130	0			
<i>Surr: 4-Terphenyl-d14</i>	2.033	0	3.269	0	62.2	39-115	0			

MSD		Sample ID: 1308663-01B MSD				Units: mg/Kg		Analysis Date: 8/19/2013 05:21 PM		
Client ID:		Run ID: GC8_130819A				SeqNo: 2418509		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	313	8.2	327.9	26.31	87.4	49-130	298.6	4.72	30	
<i>Surr: 4-Terphenyl-d14</i>	2.116	0	3.279	0	64.5	39-115	2.033	4.01	30	

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50645** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-50645-50645				Units: mg/Kg		Analysis Date: 8/19/2013 04:51 PM			
Client ID:		Run ID: HG1_130819A				SeqNo: 2418122		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.00175	0.020								J	

LCS		Sample ID: LCS-50645-50645				Units: mg/Kg		Analysis Date: 8/19/2013 04:53 PM			
Client ID:		Run ID: HG1_130819A				SeqNo: 2418123		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1912	0.020	0.1665		0	115	80-120	0			

MS		Sample ID: 1308662-01BMS				Units: mg/Kg		Analysis Date: 8/19/2013 05:07 PM			
Client ID:		Run ID: HG1_130819A				SeqNo: 2418149		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1783	0.014	0.1163	0.02693	130	75-125		0		S	

MSD		Sample ID: 1308662-01BMSD				Units: mg/Kg		Analysis Date: 8/19/2013 05:09 PM			
Client ID:		Run ID: HG1_130819A				SeqNo: 2418150		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1782	0.014	0.1191	0.02693	127	75-125	0.1783	0.089	35	S	

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

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

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50644** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-50644-50644				Units: mg/Kg		Analysis Date: 8/19/2013 03:27 PM		
Client ID:		Run ID: ICPMS1_130819A			SeqNo: 2418240		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	0.06835	0.25								J
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	0.04806	0.25								J
Silver	ND	0.25								
Zinc	ND	0.50								

LCS		Sample ID: LCS-50644-50644				Units: mg/Kg		Analysis Date: 8/19/2013 03:33 PM		
Client ID:		Run ID: ICPMS1_130819A			SeqNo: 2418241		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.397	0.25	5	0	87.9	80-120	0			
Barium	4.779	0.25	5	0	95.6	80-120	0			
Cadmium	4.65	0.10	5	0	93	80-120	0			
Chromium	4.704	0.25	5	0	94.1	80-120	0			
Copper	4.632	0.25	5	0	92.6	80-120	0			
Lead	4.796	0.25	5	0	95.9	80-120	0			
Nickel	4.636	0.25	5	0	92.7	80-120	0			
Selenium	4.289	0.25	5	0	85.8	80-120	0			
Silver	4.726	0.25	5	0	94.5	80-120	0			
Zinc	4.258	0.50	5	0	85.2	80-120	0			

MS		Sample ID: 1308678-04AMS				Units: mg/Kg		Analysis Date: 8/19/2013 04:04 PM		
Client ID:		Run ID: ICPMS1_130819A			SeqNo: 2418246		Prep Date: 8/19/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.868	1.8	7.342	2.332	103	75-125	0			
Barium	42.69	1.8	7.342	34.68	109	75-125	0			O
Cadmium	7.485	0.73	7.342	0.1434	100	75-125	0			
Chromium	11.83	1.8	7.342	3.764	110	75-125	0			
Copper	9.567	1.8	7.342	2.35	98.3	75-125	0			
Lead	16.66	1.8	7.342	9.366	99.4	75-125	0			
Nickel	10.01	1.8	7.342	2.596	101	75-125	0			
Selenium	7.599	1.8	7.342	0.5536	96	75-125	0			
Silver	7.004	1.8	7.342	0	95.4	75-125	0			
Zinc	41.37	3.7	7.342	25.95	210	75-125	0			S

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

Client: HRL Compliance Solutions
Work Order: 1308625
Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50644** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1308678-04AMSD				Units: mg/Kg		Analysis Date: 8/19/2013 04:10 PM			
Client ID:		Run ID: ICPMS1_130819A			SeqNo: 2418251		Prep Date: 8/19/2013		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	10.02	1.8	7.102	2.332	108	75-125	9.868	1.54	25		
Barium	43.04	1.8	7.102	34.68	118	75-125	42.69	0.805	25	O	
Cadmium	7.173	0.71	7.102	0.1434	99	75-125	7.485	4.26	25		
Chromium	12.11	1.8	7.102	3.764	117	75-125	11.83	2.32	25		
Copper	9.46	1.8	7.102	2.35	100	75-125	9.567	1.12	25		
Lead	16.38	1.8	7.102	9.366	98.7	75-125	16.66	1.73	25		
Nickel	10.2	1.8	7.102	2.596	107	75-125	10.01	1.82	25		
Selenium	7.141	1.8	7.102	0.5536	92.8	75-125	7.599	6.21	25		
Silver	6.737	1.8	7.102	0	94.8	75-125	7.004	3.9	25		
Zinc	46.02	3.6	7.102	25.95	283	75-125	41.37	10.6	25	S	

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

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

Client: HRL Compliance Solutions
Work Order: 1308625
Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50713** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1308752-01CDUP				Units: mg/L		Analysis Date: 8/23/2013 06:26 PM		
Client ID:		Run ID: ICPMS2_130822A		SeqNo: 2424185		Prep Date: 8/23/2013		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	3.548	10	0	0	0	0-0	3.288	0		J
Magnesium	1.698	4.0	0	0	0	0-0	1.846	0		J
Sodium	309.4	4.0	0	0	0	0-0	274.8	11.8		

The following samples were analyzed in this batch:

1308625-01C	1308625-02C	1308625-03C
1308625-04C		

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

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50634** Instrument ID **SVMS6** Method: **SW8270**

MBLK		Sample ID: SBLKS1-50634-50634				Units: µg/Kg		Analysis Date: 8/20/2013 12:18 PM		
Client ID:		Run ID: SVMS6_130820A				SeqNo: 2419131		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Acenaphthylene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
<i>Surr: 2-Fluorobiphenyl</i>	<i>1474</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>88.4</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1817</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>109</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>1338</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>80.3</i>	<i>37-107</i>	<i>0</i>			

LCS		Sample ID: SLCSS1-50634-50634				Units: µg/Kg		Analysis Date: 8/20/2013 12:37 PM		
Client ID:		Run ID: SVMS6_130820A				SeqNo: 2419132		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	541	30	666.7	0	81.1	45-110	0			
Acenaphthylene	570.3	30	666.7	0	85.5	45-105	0			
Anthracene	598.7	30	666.7	0	89.8	55-105	0			
Benzo(a)anthracene	605.3	30	666.7	0	90.8	50-110	0			
Benzo(a)pyrene	643.3	30	666.7	0	96.5	50-110	0			
Benzo(b)fluoranthene	685.7	30	666.7	0	103	45-115	0			
Benzo(g,h,i)perylene	683.7	30	666.7	0	103	40-125	0			
Benzo(k)fluoranthene	683.3	30	666.7	0	102	45-115	0			
Chrysene	641.7	30	666.7	0	96.2	55-110	0			
Dibenzo(a,h)anthracene	725.3	30	666.7	0	109	40-125	0			
Fluoranthene	613.7	30	666.7	0	92	55-115	0			
Fluorene	544.3	30	666.7	0	81.6	50-110	0			
Indeno(1,2,3-cd)pyrene	688	30	666.7	0	103	40-120	0			
Naphthalene	533.7	30	666.7	0	80	40-105	0			
Pyrene	674	30	666.7	0	101	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	<i>1411</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>84.7</i>	<i>12-100</i>	<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>1777</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>107</i>	<i>25-137</i>	<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>1314</i>	<i>0</i>	<i>1667</i>	<i>0</i>	<i>78.8</i>	<i>37-107</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: 50634 Instrument ID SVMS6 Method: SW8270

MS				Sample ID: 1308663-01B MS			Units: µg/Kg		Analysis Date: 8/20/2013 12:56 PM		
Client ID:				Run ID: SVMS6_130820A			SeqNo: 2419133		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1012	60	1332	0	76	45-110	0				
Acenaphthylene	1053	60	1332	0	79	45-105	0				
Anthracene	1188	60	1332	0	89.2	55-105	0				
Benzo(a)anthracene	1176	60	1332	0	88.3	50-110	0				
Benzo(a)pyrene	1271	60	1332	0	95.4	50-110	0				
Benzo(b)fluoranthene	1367	60	1332	0	103	45-115	0				
Benzo(g,h,i)perylene	1335	60	1332	0	100	40-125	0				
Benzo(k)fluoranthene	1337	60	1332	0	100	45-115	0				
Chrysene	1235	60	1332	0	92.7	55-110	0				
Dibenzo(a,h)anthracene	1371	60	1332	0	103	40-125	0				
Fluoranthene	1204	60	1332	0	90.4	55-115	0				
Fluorene	1063	60	1332	0	79.8	50-110	0				
Indeno(1,2,3-cd)pyrene	1323	60	1332	0	99.3	40-120	0				
Naphthalene	887.8	60	1332	0	66.6	40-105	0				
Pyrene	1334	60	1332	0	100	45-125	0				
Surr: 2-Fluorobiphenyl	2481	0	3330	0	74.5	12-100	0				
Surr: 4-Terphenyl-d14	3517	0	3330	0	106	25-137	0				
Surr: Nitrobenzene-d5	2233	0	3330	0	67	37-107	0				

MSD				Sample ID: 1308663-01B MSD			Units: µg/Kg		Analysis Date: 8/20/2013 01:16 PM		
Client ID:				Run ID: SVMS6_130820A			SeqNo: 2419134		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1019	57	1273	0	80	45-110	1012	0.673	30		
Acenaphthylene	1047	57	1273	0	82.2	45-105	1053	0.55	30		
Anthracene	1158	57	1273	0	90.9	55-105	1188	2.58	30		
Benzo(a)anthracene	1150	57	1273	0	90.3	50-110	1176	2.22	30		
Benzo(a)pyrene	1236	57	1273	0	97.1	50-110	1271	2.75	30		
Benzo(b)fluoranthene	1339	57	1273	0	105	45-115	1367	2.06	30		
Benzo(g,h,i)perylene	1287	57	1273	0	101	40-125	1335	3.67	30		
Benzo(k)fluoranthene	1293	57	1273	0	102	45-115	1337	3.33	30		
Chrysene	1210	57	1273	0	95	55-110	1235	2.02	30		
Dibenzo(a,h)anthracene	1336	57	1273	0	105	40-125	1371	2.64	30		
Fluoranthene	1160	57	1273	0	91.1	55-115	1204	3.75	30		
Fluorene	1064	57	1273	0	83.5	50-110	1063	0.0735	30		
Indeno(1,2,3-cd)pyrene	1283	57	1273	0	101	40-120	1323	3.07	30		
Naphthalene	920.6	57	1273	0	72.3	40-105	887.8	3.62	30		
Pyrene	1329	57	1273	0	104	45-125	1334	0.411	30		
Surr: 2-Fluorobiphenyl	2539	0	3183	0	79.8	12-100	2481	2.33	40		
Surr: 4-Terphenyl-d14	3492	0	3183	0	110	25-137	3517	0.71	40		
Surr: Nitrobenzene-d5	2346	0	3183	0	73.7	37-107	2233	4.95	40		

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

Client: HRL Compliance Solutions
Work Order: 1308625
Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50634** Instrument ID **SVMS6** Method: **SW8270**

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

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

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50640** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLK-50640-50640			Units: µg/Kg		Analysis Date: 8/19/2013 12:46 PM			
Client ID:		Run ID: VMS5_130819A			SeqNo: 2418379		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
GRO (C6-C10)	ND	2,500								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1012</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1024</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>967</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>96.7</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>995</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.5</i>	<i>70-130</i>	<i>0</i>			

LCS		Sample ID: LCS-50640-50640			Units: µg/Kg		Analysis Date: 8/19/2013 11:36 AM			
Client ID:		Run ID: VMS5_130819A			SeqNo: 2418378		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1016	30	1000	0	102	75-125	0			
Ethylbenzene	1110	30	1000	0	111	75-125	0			
m,p-Xylene	2232	60	2000	0	112	80-125	0			
o-Xylene	1105	30	1000	0	110	75-125	0			
Toluene	1022	30	1000	0	102	70-125	0			
Xylenes, Total	3338	90	3000	0	111	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1012</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1015</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>979</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97.9</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>994.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.4</i>	<i>70-130</i>	<i>0</i>			

MS		Sample ID: 1308670-01A MS			Units: µg/Kg		Analysis Date: 8/20/2013 08:39 AM			
Client ID:		Run ID: VMS6_130819B			SeqNo: 2418614		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1054	30	1000	0	105	75-125	0			
Ethylbenzene	1043	30	1000	0	104	75-125	0			
m,p-Xylene	2110	60	2000	0	106	80-125	0			
o-Xylene	1070	30	1000	0	107	75-125	0			
Toluene	1021	30	1000	0	102	70-125	0			
Xylenes, Total	3180	90	3000	0	106	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1070</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>107</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1083</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>108</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1080</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>108</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>1048</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>105</i>	<i>70-130</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1308625
Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50640** Instrument ID **VMS5** Method: **SW8260B**

MSD		Sample ID: 1308670-01A MSD				Units: µg/Kg		Analysis Date: 8/20/2013 09:06 AM		
Client ID:		Run ID: VMS6_130819B			SeqNo: 2418615		Prep Date: 8/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1016	30	1000	0	102	75-125	1054	3.57	30	
Ethylbenzene	1040	30	1000	0	104	75-125	1043	0.24	30	
m,p-Xylene	2078	60	2000	0	104	80-125	2110	1.55	30	
o-Xylene	1047	30	1000	0	105	75-125	1070	2.13	30	
Toluene	994.5	30	1000	0	99.4	70-125	1021	2.63	30	
Xylenes, Total	3125	90	3000	0	104	75-125	3180	1.74	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	1056	0	1000	0	106	70-130	1070	1.27	30	
<i>Surr: 4-Bromofluorobenzene</i>	1098	0	1000	0	110	70-130	1083	1.33	30	
<i>Surr: Dibromofluoromethane</i>	1054	0	1000	0	105	70-130	1080	2.39	30	
<i>Surr: Toluene-d8</i>	1043	0	1000	0	104	70-130	1048	0.478	30	

The following samples were analyzed in this batch:

1308625-01A	1308625-02A	1308625-03A
1308625-04A		

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

Client: HRL Compliance Solutions
Work Order: 1308625
Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50656** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-50656-50656				Units: s.u.		Analysis Date: 8/19/2013 03:30 PM		
Client ID:		Run ID: WETCHEM_130819I		SeqNo: 2418029		Prep Date: 8/19/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4.3	0	4.4	0	97.7	90-110	0			

DUP		Sample ID: 1308670-01B DUP				Units: s.u.		Analysis Date: 8/19/2013 03:30 PM		
Client ID:		Run ID: WETCHEM_130819I		SeqNo: 2418039		Prep Date: 8/19/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.08	0	0	0	0	0-0	8.22	1.72	20	

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **50683** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-50683-50683				Units: mg/Kg		Analysis Date: 8/20/2013 01:15 PM		
Client ID:		Run ID: WETCHEM_130820B				SeqNo: 2419086		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

LCS		Sample ID: LCS-50683-50683				Units: mg/Kg		Analysis Date: 8/20/2013 01:15 PM		
Client ID:		Run ID: WETCHEM_130820B				SeqNo: 2419085		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.024 0.50 2 0 101 80-120 0

MS		Sample ID: 1308625-04B MS				Units: mg/Kg		Analysis Date: 8/20/2013 01:15 PM		
Client ID: West Wall 6'		Run ID: WETCHEM_130820B				SeqNo: 2419081		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.282 0.49 1.961 0 116 75-125 0

MSD		Sample ID: 1308625-04B MSD				Units: mg/Kg		Analysis Date: 8/20/2013 01:15 PM		
Client ID: West Wall 6'		Run ID: WETCHEM_130820B				SeqNo: 2419082		Prep Date: 8/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.31 0.50 1.984 0 116 75-125 2.282 1.18 20

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

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

Client: HRL Compliance Solutions
 Work Order: 1308625
 Project: Caerus Starkey 6/7 Tank Removal 8/15/13

QC BATCH REPORT

Batch ID: **R125369** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R125369				Units: % of sample			Analysis Date: 8/19/2013 11:45 AM		
Client ID:		Run ID: MOIST_130819B				SeqNo: 2418582		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	0.03	0.050								J	

LCS		Sample ID: LCS-R125369				Units: % of sample			Analysis Date: 8/19/2013 11:45 AM		
Client ID:		Run ID: MOIST_130819B				SeqNo: 2418581		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	100	0.050	100		0	100	99.5-100.5	0			

DUP		Sample ID: 1308622-01B DUP				Units: % of sample			Analysis Date: 8/19/2013 11:45 AM		
Client ID:		Run ID: MOIST_130819B				SeqNo: 2418560		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	8.49	0.050	0		0	0	0-0	8.76	3.13	20	

DUP		Sample ID: 1308663-01B DUP				Units: % of sample			Analysis Date: 8/19/2013 11:45 AM		
Client ID:		Run ID: MOIST_130819B				SeqNo: 2418573		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	13.73	0.050	0		0	0	0-0	13.96	1.66	20	

The following samples were analyzed in this batch:

1308625-01B	1308625-02B	1308625-03B
1308625-04B		

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



ALS Laboratory Group

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Chain-of-Custody

WORKORDER # **1308625**

Form 202r8

PROJECT NAME	CAERUS	SAMPLER	Casey Richardson	DATE	8-15-13	PAGE	1 of 1
PROJECT No.	STARKEY 6/7 TANK REMOVAL	SITE ID		TURNAROUND	24 HOUR	DISPOSAL	By Lab or Return to Client
COMPANY NAME	HCSI	EDD FORMAT					
SEND REPORT TO	Herman Lucero	PURCHASE ORDER					
ADDRESS	2385 F 1/2 Road	BILL TO COMPANY	Caerus Piceance LLC				
CITY / STATE / ZIP	Grand Junction, CO. 81505	INVOICE ATTN TO	Ed Winters				
PHONE	970-243-3271	ADDRESS	120 Railroad Ave. Suite D				
FAX	970-243-3280	CITY / STATE / ZIP	Parachute, CO 81635				
E-MAIL	hlucero@hrlcomp.com crichardson@hrlcomp.com	PHONE	970-285-9606				
		FAX					
		E-MAIL	ewinters@caerusoilandgas.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DRO	GRO	BTEX	TOTAL METALS - TABEL 910-1	SEMI VOLS - PAH	SAR	EC	pH
1	NORTH WALL, 7'	SOIL	8-15-13	1350	3	8		X	X	X	X	X	X	X	X
2	SOUTH WALL, 6'			1435				X	X	X	X	X	X	X	X
3	EAST WALL, 6'			1315				X	X	X	X	X	X	X	X
4	WEST WALL, 6'			1407				X	X	X	X	X	X	X	X

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

For metals or anions, please detail analytes below.

Comments: **2.8°C**

QC PACKAGE (check below)	
<input checked="" type="checkbox"/>	LEVEL II (Standard QC)
<input type="checkbox"/>	LEVEL III (Std QC + forms)
<input type="checkbox"/>	LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>Casey Richardson</i>	Casey Richardson	8-15-13	1625
RECEIVED BY	<i>MJM</i>	MJM	8-15	1625
RELINQUISHED BY	<i>MJM</i>	MJM	8-15	1630
RECEIVED BY	<i>Kevin Wierenda</i>	Kevin Wierenda	8/16/13	1000
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **16-Aug-13 10:00**

Work Order: **1308625**

Received by: **KRW**

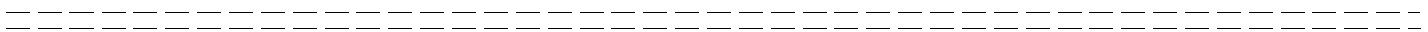
Checklist completed by Keith Warena 16-Aug-13
eSignature Date

Reviewed by: Ann Preston 20-Aug-13
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="2.8 C"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="8/16/2013 1:23:19 PM"/>		
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:

From: (970) 424-4749
Lab Hub, LLC
127 E First Street
PARACHUTE, CO 81635

Origin ID: RILA



Ship Date: 15AUG13
ActWgt: 80.0 LB
CAD: 103923490/INET3430
Dims: 25 X 14 X 15 IN

Delivery Address Bar Code



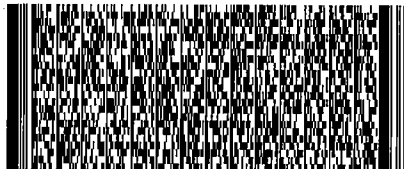
SHIP TO: (616) 399-6070
Sample receiving
ALS Holland
3352 128TH AVE
HOLLAND, MI 49424

BILL RECEIPT

Ref # 1001-081513-4
Invoice #
PO #
Dept #

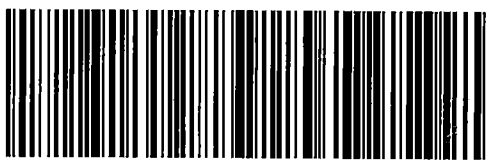
FRI - 16 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7964 7751 2060
0201



XX GRRR

49424
MI-US
GRR



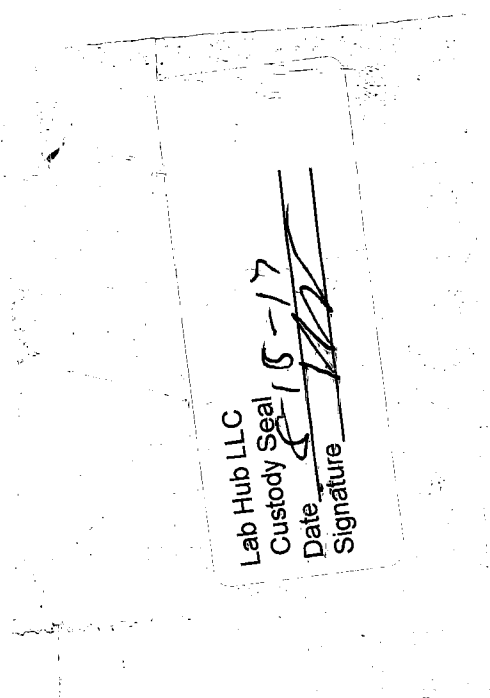
51AG108B31A9E

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 ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.





27-Aug-2013

Herman Lucero
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **Caerus Starkey 7 Tank Pull 8/20/13**

Work Order: **1308752**

Dear Herman,

ALS Environmental received 1 sample on 21-Aug-2013 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 23.

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

Environmental ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Pull 8/20/13
Work Order: 1308752

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>
1308752-01	Footprint, 12'	Soil		8/20/2013 11:15	8/21/2013 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Pull 8/20/13
Work Order: 1308752

Case Narrative

Batch 50711 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 50740 MS/MSD data for Hexavalent Chromium is not related to this project's samples. No data requires qualification.

Batch R125507 RPD data for % Moisture is not related to this project's samples. No data requires qualification.

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Pull 8/20/13
WorkOrder: 1308752

**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
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
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: 27-Aug-13

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Pull 8/20/13
Sample ID: Footprint, 12'
Collection Date: 8/20/2013 11:15 AM

Work Order: 1308752
Lab ID: 1308752-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/21/2013	Analyst: CW
DRO (C10-C28)	60		4.3	mg/Kg-dry	1	8/21/2013 11:34 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>101</i>		<i>39-115</i>	<i>%REC</i>	1	8/21/2013 11:34 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 8/21/2013	Analyst: CW
GRO (C6-C10)	14		2.6	mg/Kg-dry	1	8/22/2013 01:35 PM
<i>Surr: Toluene-d8</i>	<i>96.6</i>		<i>50-150</i>	<i>%REC</i>	1	8/22/2013 01:35 PM
MERCURY BY CVAA			SW7471		Prep Date: 8/21/2013	Analyst: LR
Mercury	0.025		0.015	mg/Kg-dry	1	8/22/2013 01:29 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/21/2013	Analyst: ML
Arsenic	4.3		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Barium	280		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Cadmium	ND		0.72	mg/Kg-dry	5	8/22/2013 01:05 AM
Chromium	12		1.8	mg/Kg-dry	5	8/22/2013 02:53 PM
Copper	16		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Lead	10		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Nickel	18		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Selenium	1.8		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Silver	ND		1.8	mg/Kg-dry	5	8/22/2013 01:05 AM
Zinc	74		3.6	mg/Kg-dry	5	8/22/2013 01:05 AM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/23/2013	Analyst: RH
Calcium	ND		10	mg/L	20	8/23/2013 06:20 PM
Magnesium	ND		4.0	mg/L	20	8/23/2013 06:20 PM
Sodium	270		4.0	mg/L	20	8/23/2013 06:20 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: RH
Sodium Adsorption Ratio	30		0.010	none	1	8/23/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 8/21/2013	Analyst: HL
Acenaphthene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Acenaphthylene	ND		31	µg/Kg-dry	1	8/21/2013 06:32 PM
Anthracene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Benzo(a)anthracene	21		18	µg/Kg-dry	1	8/21/2013 06:32 PM
Benzo(a)pyrene	ND		18	µg/Kg-dry	1	8/21/2013 06:32 PM
Benzo(b)fluoranthene	ND		19	µg/Kg-dry	1	8/21/2013 06:32 PM
Benzo(g,h,i)perylene	ND		29	µg/Kg-dry	1	8/21/2013 06:32 PM
Benzo(k)fluoranthene	ND		19	µg/Kg-dry	1	8/21/2013 06:32 PM
Chrysene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Dibenzo(a,h)anthracene	ND		19	µg/Kg-dry	1	8/21/2013 06:32 PM
Fluoranthene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM

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

ALS Group USA, Corp

Date: 27-Aug-13

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Pull 8/20/13
Sample ID: Footprint, 12'
Collection Date: 8/20/2013 11:15 AM

Work Order: 1308752
Lab ID: 1308752-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Indeno(1,2,3-cd)pyrene	ND		21	µg/Kg-dry	1	8/21/2013 06:32 PM
Naphthalene	65		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Pyrene	ND		16	µg/Kg-dry	1	8/21/2013 06:32 PM
Surr: 2-Fluorobiphenyl	74.1		12-100	%REC	1	8/21/2013 06:32 PM
Surr: 4-Terphenyl-d14	94.8		25-137	%REC	1	8/21/2013 06:32 PM
Surr: Nitrobenzene-d5	64.2		37-107	%REC	1	8/21/2013 06:32 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/21/2013	Analyst: AK
Benzene	ND		32	µg/Kg-dry	1	8/21/2013 09:54 PM
Ethylbenzene	ND		32	µg/Kg-dry	1	8/21/2013 09:54 PM
m,p-Xylene	ND		63	µg/Kg-dry	1	8/21/2013 09:54 PM
o-Xylene	ND		32	µg/Kg-dry	1	8/21/2013 09:54 PM
Toluene	ND		32	µg/Kg-dry	1	8/21/2013 09:54 PM
Xylenes, Total	ND		95	µg/Kg-dry	1	8/21/2013 09:54 PM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	8/21/2013 09:54 PM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	8/21/2013 09:54 PM
Surr: Dibromofluoromethane	104		70-130	%REC	1	8/21/2013 09:54 PM
Surr: Toluene-d8	99.5		70-130	%REC	1	8/21/2013 09:54 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/23/2013	Analyst: KF
Electrical Conductivity @ Saturation	1.2		0.12	mmhos/cm @25	25	8/23/2013 02:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	12		0.53	mg/Kg-dry	1	8/22/2013 04:30 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/21/2013	Analyst: MB
Chromium, Hexavalent	ND		0.52	mg/Kg-dry	1	8/22/2013 03:00 PM
MOISTURE			A2540 G			Analyst: RLF
Moisture	4.8		0.050	% of sample	1	8/21/2013 04:00 PM
PH			SW9045D		Prep Date: 8/21/2013	Analyst: JB
pH	9.4			s.u.	1	8/21/2013 05:00 PM

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

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1308752

Project: Caerus Starkey 7 Tank Pull 8/20/13

Batch ID: 50693

Instrument ID GC8

Method: SW8015M

MBLK		Sample ID: DBLKS1-50693-50693				Units: mg/Kg		Analysis Date: 8/21/2013 04:33 PM		
Client ID:		Run ID: GC8_130821B		SeqNo: 2421446		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
<i>Surr: 4-Terphenyl-d14</i>	1.17	0	1.667	0	70.2	39-115	0			

LCS		Sample ID: DLCSS1-50693-50693				Units: mg/Kg		Analysis Date: 8/21/2013 05:03 PM		
Client ID:		Run ID: GC8_130821B		SeqNo: 2421447		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	154.7	4.2	166.7	0	92.8	49-124	0			
<i>Surr: 4-Terphenyl-d14</i>	1.118	0	1.667	0	67.1	39-115	0			

MS		Sample ID: 1308685-07A MS				Units: mg/Kg		Analysis Date: 8/21/2013 05:33 PM		
Client ID:		Run ID: GC8_130821B		SeqNo: 2421448		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	443.7	12	471.4	98.72	73.2	49-130	0			
<i>Surr: 4-Terphenyl-d14</i>	3.177	0	4.714	0	67.4	39-115	0			

MSD		Sample ID: 1308685-07A MSD				Units: mg/Kg		Analysis Date: 8/21/2013 06:03 PM		
Client ID:		Run ID: GC8_130821B		SeqNo: 2421449		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	469.3	12	486.1	98.72	76.2	49-130	443.7	5.61	30	
<i>Surr: 4-Terphenyl-d14</i>	3.221	0	4.861	0	66.3	39-115	3.177	1.35	30	

The following samples were analyzed in this batch: | 1308752-01B |

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50705** Instrument ID **GC10** Method: **SW8015**

MS		Sample ID: 1308751-01A MS				Units: µg/Kg		Analysis Date: 8/22/2013 03:03 AM		
Client ID:		Run ID: GC10_130821A				SeqNo: 2420713		Prep Date: 8/21/2013		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	20940000	120,000	25000000	0	83.8	70-130	0			
<i>Surr: Toluene-d8</i>	<i>234400</i>	<i>0</i>	<i>250000</i>	<i>0</i>	<i>93.8</i>	<i>50-150</i>	<i>0</i>			

MSD		Sample ID: 1308751-01A MSD				Units: µg/Kg		Analysis Date: 8/22/2013 03:27 AM		
Client ID:		Run ID: GC10_130821A				SeqNo: 2420714		Prep Date: 8/21/2013		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	20930000	120,000	25000000	0	83.7	70-130	20940000	0.05	30	
<i>Surr: Toluene-d8</i>	<i>237900</i>	<i>0</i>	<i>250000</i>	<i>0</i>	<i>95.2</i>	<i>50-150</i>	<i>234400</i>	<i>1.46</i>	<i>30</i>	

The following samples were analyzed in this batch: | 1308752-01A |

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50714** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-50714-50714				Units: mg/Kg		Analysis Date: 8/22/2013 12:41 PM		
Client ID:		Run ID: HG1_130822A				SeqNo: 2421811		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.020

LCS		Sample ID: LCS-50714-50714				Units: mg/Kg		Analysis Date: 8/22/2013 12:43 PM		
Client ID:		Run ID: HG1_130822A				SeqNo: 2421812		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1797 0.020 0.1665 0 108 80-120 0

MS		Sample ID: 1308751-05BMS				Units: mg/Kg		Analysis Date: 8/22/2013 01:25 PM		
Client ID:		Run ID: HG1_130822A				SeqNo: 2421830		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1406 0.014 0.1168 0.0162 107 75-125 0

MSD		Sample ID: 1308751-05BMSD				Units: mg/Kg		Analysis Date: 8/22/2013 01:27 PM		
Client ID:		Run ID: HG1_130822A				SeqNo: 2421831		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1502 0.015 0.1226 0.0162 109 75-125 0.1406 6.56 35

The following samples were analyzed in this batch: 1308752-01B

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

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: 50711 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-50711-50711				Units: mg/Kg		Analysis Date: 8/21/2013 10:03 PM		
Client ID:		Run ID: ICPMS1_130821B			SeqNo: 2420664		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	0.0052	0.25								J
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS		Sample ID: LCS-50711-50711				Units: mg/Kg		Analysis Date: 8/21/2013 10:09 PM		
Client ID:		Run ID: ICPMS1_130821B			SeqNo: 2420666		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.616	0.25	5	0	92.3	80-120	0			
Barium	4.773	0.25	5	0	95.5	80-120	0			
Cadmium	4.626	0.10	5	0	92.5	80-120	0			
Chromium	4.504	0.25	5	0	90.1	80-120	0			
Copper	4.808	0.25	5	0	96.2	80-120	0			
Lead	5.365	0.25	5	0	107	80-120	0			
Nickel	4.977	0.25	5	0	99.5	80-120	0			
Selenium	4.561	0.25	5	0	91.2	80-120	0			
Silver	5.285	0.25	5	0	106	80-120	0			
Zinc	4.586	0.50	5	0	91.7	80-120	0			

MS		Sample ID: 1308672-05AMS				Units: mg/Kg		Analysis Date: 8/21/2013 11:28 PM		
Client ID:		Run ID: ICPMS1_130821B			SeqNo: 2420679		Prep Date: 8/21/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.37	1.7	6.649	5.034	95.3	75-125	0			
Barium	400.9	1.7	6.649	416.4	-233	75-125	0			SO
Cadmium	7.128	0.66	6.649	0.547	99	75-125	0			
Chromium	21.86	1.7	6.649	13.49	126	75-125	0			S
Copper	16.07	1.7	6.649	9.862	93.4	75-125	0			
Lead	22.69	1.7	6.649	15.53	108	75-125	0			
Nickel	28.35	1.7	6.649	21.34	105	75-125	0			
Selenium	6.526	1.7	6.649	1.444	76.4	75-125	0			
Silver	6.686	1.7	6.649	-0.02885	101	75-125	0			
Zinc	78.99	3.3	6.649	69.97	136	75-125	0			SO

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50711** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1308672-05AMSD				Units: mg/Kg		Analysis Date: 8/21/2013 11:34 PM		
Client ID:		Run ID: ICPMS1_130821B			SeqNo: 2420680		Prep Date: 8/21/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.34	1.7	6.812	5.034	92.5	75-125	11.37	0.304	25	
Barium	406.3	1.7	6.812	416.4	-148	75-125	400.9	1.34	25	SO
Cadmium	7.265	0.68	6.812	0.547	98.6	75-125	7.128	1.91	25	
Chromium	21.61	1.7	6.812	13.49	119	75-125	21.86	1.12	25	
Copper	15.77	1.7	6.812	9.862	86.7	75-125	16.07	1.91	25	
Lead	22.49	1.7	6.812	15.53	102	75-125	22.69	0.869	25	
Nickel	28.14	1.7	6.812	21.34	99.9	75-125	28.35	0.722	25	
Selenium	6.649	1.7	6.812	1.444	76.4	75-125	6.526	1.86	25	
Silver	6.778	1.7	6.812	-0.02885	99.9	75-125	6.686	1.37	25	
Zinc	77.86	3.4	6.812	69.97	116	75-125	78.99	1.44	25	O

The following samples were analyzed in this batch: | 1308752-01B |

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50713** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1308752-01CDUP				Units: mg/L		Analysis Date: 8/23/2013 06:26 PM		
Client ID: Footprint, 12'		Run ID: ICPMS2_130822A		SeqNo: 2424185		Prep Date: 8/23/2013		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	3.548	10	0	0	0	0-0	3.288	0		J
Magnesium	1.698	4.0	0	0	0	0-0	1.846	0		J
Sodium	309.4	4.0	0	0	0	0-0	274.8	11.8		

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50692** Instrument ID **SVMS6** Method: **SW8270**

MBLK		Sample ID: SBLKS1-50692-50692				Units: µg/Kg		Analysis Date: 8/22/2013 10:39 AM		
Client ID:		Run ID: SVMS6_130822A				SeqNo: 2421297		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Acenaphthylene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
<i>Surr: 2-Fluorobiphenyl</i>	1454	0	1667	0	87.2	12-100		0		
<i>Surr: 4-Terphenyl-d14</i>	1855	0	1667	0	111	25-137		0		
<i>Surr: Nitrobenzene-d5</i>	1365	0	1667	0	81.9	37-107		0		

LCS		Sample ID: SLCSS1-50692-50692				Units: µg/Kg		Analysis Date: 8/22/2013 10:58 AM		
Client ID:		Run ID: SVMS6_130822A				SeqNo: 2421298		Prep Date: 8/21/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	560.7	30	666.7	0	84.1	45-110		0		
Acenaphthylene	607	30	666.7	0	91	45-105		0		
Anthracene	620	30	666.7	0	93	55-105		0		
Benzo(a)anthracene	619.7	30	666.7	0	92.9	50-110		0		
Benzo(a)pyrene	666	30	666.7	0	99.9	50-110		0		
Benzo(b)fluoranthene	696.3	30	666.7	0	104	45-115		0		
Benzo(g,h,i)perylene	655.7	30	666.7	0	98.3	40-125		0		
Benzo(k)fluoranthene	705.3	30	666.7	0	106	45-115		0		
Chrysene	662	30	666.7	0	99.3	55-110		0		
Dibenzo(a,h)anthracene	700.3	30	666.7	0	105	40-125		0		
Fluoranthene	676.3	30	666.7	0	101	55-115		0		
Fluorene	593	30	666.7	0	88.9	50-110		0		
Indeno(1,2,3-cd)pyrene	690.3	30	666.7	0	104	40-120		0		
Naphthalene	546.7	30	666.7	0	82	40-105		0		
Pyrene	647.3	30	666.7	0	97.1	45-125		0		
<i>Surr: 2-Fluorobiphenyl</i>	1422	0	1667	0	85.3	12-100		0		
<i>Surr: 4-Terphenyl-d14</i>	1800	0	1667	0	108	25-137		0		
<i>Surr: Nitrobenzene-d5</i>	1383	0	1667	0	83	37-107		0		

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

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50692** Instrument ID **SVMS6** Method: **SW8270**

MS				Sample ID: 1308685-07A MS			Units: µg/Kg		Analysis Date: 8/22/2013 03:58 PM		
Client ID:		Run ID: SVMS6_130822A			SeqNo: 2423078		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1577	87	1939	0	81.3	45-110	0				
Acenaphthylene	1646	87	1939	0	84.9	45-105	0				
Anthracene	1774	87	1939	0	91.5	55-105	0				
Benzo(a)anthracene	1788	87	1939	0	92.2	50-110	0				
Benzo(a)pyrene	1905	87	1939	0	98.2	50-110	0				
Benzo(b)fluoranthene	2005	87	1939	0	103	45-115	0				
Benzo(g,h,i)perylene	2042	87	1939	0	105	40-125	0				
Benzo(k)fluoranthene	2023	87	1939	0	104	45-115	0				
Chrysene	1895	87	1939	0	97.7	55-110	0				
Dibenzo(a,h)anthracene	2009	87	1939	0	104	40-125	0				
Fluoranthene	1804	87	1939	0	93	55-115	0				
Fluorene	1632	87	1939	0	84.1	50-110	0				
Indeno(1,2,3-cd)pyrene	2046	87	1939	0	105	40-120	0				
Naphthalene	1378	87	1939	0	71	40-105	0				
Pyrene	2120	87	1939	0	109	45-125	0				
Surr: 2-Fluorobiphenyl	3977	0	4848	0	82	12-100	0				
Surr: 4-Terphenyl-d14	6007	0	4848	0	124	25-137	0				
Surr: Nitrobenzene-d5	3564	0	4848	0	73.5	37-107	0				

MSD				Sample ID: 1308685-07A MSD			Units: µg/Kg		Analysis Date: 8/22/2013 04:17 PM		
Client ID:		Run ID: SVMS6_130822A			SeqNo: 2423081		Prep Date: 8/21/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1515	86	1917	0	79	45-110	1577	4.07	30		
Acenaphthylene	1565	86	1917	0	81.6	45-105	1646	5.04	30		
Anthracene	1674	86	1917	0	87.3	55-105	1774	5.83	30		
Benzo(a)anthracene	1737	86	1917	0	90.6	50-110	1788	2.89	30		
Benzo(a)pyrene	1876	86	1917	0	97.8	50-110	1905	1.55	30		
Benzo(b)fluoranthene	1965	86	1917	0	102	45-115	2005	2.01	30		
Benzo(g,h,i)perylene	2008	86	1917	0	105	40-125	2042	1.66	30		
Benzo(k)fluoranthene	1935	86	1917	0	101	45-115	2023	4.45	30		
Chrysene	1821	86	1917	0	95	55-110	1895	3.99	30		
Dibenzo(a,h)anthracene	2127	86	1917	0	111	40-125	2009	5.72	30		
Fluoranthene	1634	86	1917	0	85.2	55-115	1804	9.88	30		
Fluorene	1541	86	1917	0	80.4	50-110	1632	5.69	30		
Indeno(1,2,3-cd)pyrene	2060	86	1917	0	107	40-120	2046	0.694	30		
Naphthalene	1295	86	1917	0	67.5	40-105	1378	6.19	30		
Pyrene	2100	86	1917	0	110	45-125	2120	0.955	30		
Surr: 2-Fluorobiphenyl	3721	0	4793	0	77.6	12-100	3977	6.65	40		
Surr: 4-Terphenyl-d14	6021	0	4793	0	126	25-137	6007	0.225	40		
Surr: Nitrobenzene-d5	3342	0	4793	0	69.7	37-107	3564	6.44	40		

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50692** Instrument ID **SVMS6** Method: **SW8270**

The following samples were analyzed in this batch:

1308752-01B

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50705** Instrument ID **VMS8** Method: **SW8260B**

MBLK		Sample ID: MBLK-50705-50705			Units: µg/Kg		Analysis Date: 8/21/2013 02:44 PM			
Client ID:		Run ID: VMS8_130821A			SeqNo: 2420767		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
GRO (C6-C10)	ND	2,500								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1012</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1012</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>987.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.8</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>984</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.4</i>	<i>70-130</i>	<i>0</i>			

LCS		Sample ID: LCS-50705-50705			Units: µg/Kg		Analysis Date: 8/21/2013 01:06 PM			
Client ID:		Run ID: VMS8_130821A			SeqNo: 2420749		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1016	30	1000	0	102	75-125	0			
Ethylbenzene	1081	30	1000	0	108	75-125	0			
m,p-Xylene	1986	60	2000	0	99.3	80-125	0			
o-Xylene	1017	30	1000	0	102	75-125	0			
Toluene	1014	30	1000	0	101	70-125	0			
Xylenes, Total	3003	90	3000	0	100	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>985</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.5</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1012</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1004</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>977</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97.7</i>	<i>70-130</i>	<i>0</i>			

MS		Sample ID: 1308751-01A MS			Units: µg/Kg		Analysis Date: 8/21/2013 10:08 PM			
Client ID:		Run ID: VMS8_130821A			SeqNo: 2420751		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1024	30	1000	0	102	75-125	0			
Ethylbenzene	1082	30	1000	25	106	75-125	0			
m,p-Xylene	1994	60	2000	356	81.9	80-125	0			
o-Xylene	1006	30	1000	57.5	94.8	75-125	0			
Toluene	1049	30	1000	185.5	86.4	70-125	0			
Xylenes, Total	3000	90	3000	418	86	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1010</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1000</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>984</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.4</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>993.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.4</i>	<i>70-130</i>	<i>0</i>			

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50705** Instrument ID **VMS8** Method: **SW8260B**

MSD		Sample ID: 1308751-01A MSD				Units: µg/Kg		Analysis Date: 8/21/2013 10:32 PM		
Client ID:		Run ID: VMS8_130821A			SeqNo: 2420752		Prep Date: 8/21/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1052	30	1000	0	105	75-125	1024	2.7	30	
Ethylbenzene	1092	30	1000	25	107	75-125	1082	0.92	30	
m,p-Xylene	2028	60	2000	356	83.6	80-125	1994	1.72	30	
o-Xylene	1028	30	1000	57.5	97	75-125	1006	2.16	30	
Toluene	1030	30	1000	185.5	84.5	70-125	1049	1.78	30	
Xylenes, Total	3056	90	3000	418	87.9	75-125	3000	1.87	30	
Surr: 1,2-Dichloroethane-d4	1012	0	1000	0	101	70-130	1010	0.297	30	
Surr: 4-Bromofluorobenzene	1041	0	1000	0	104	70-130	1000	4.02	30	
Surr: Dibromofluoromethane	1007	0	1000	0	101	70-130	984	2.31	30	
Surr: Toluene-d8	990.5	0	1000	0	99	70-130	993.5	0.302	30	

The following samples were analyzed in this batch: | 1308752-01A |

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50726** Instrument ID **WETCHEM** Method: **SW9045D**

LCS	Sample ID: LCS-50726-50726		Units: s.u.		Analysis Date: 8/21/2013 05:00 PM					
Client ID:	Run ID: WETCHEM_130821K		SeqNo: 2420469		Prep Date: 8/21/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 4.32 0 4.4 0 98.2 90-110 0

DUP	Sample ID: 1308753-03B DUP		Units: s.u.		Analysis Date: 8/21/2013 05:00 PM					
Client ID:	Run ID: WETCHEM_130821K		SeqNo: 2420479		Prep Date: 8/21/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 7.2 0 0 0 0 0-0 7.35 2.06 20

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
Work Order: 1308752
Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **50740** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK	Sample ID: MBLK-50740-50740		Units: mg/Kg		Analysis Date: 8/22/2013 03:00 PM					
Client ID:	Run ID: WETCHEM_130822F		SeqNo: 2422054		Prep Date: 8/21/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

LCS	Sample ID: LCS-50740-50740		Units: mg/Kg		Analysis Date: 8/22/2013 03:00 PM					
Client ID:	Run ID: WETCHEM_130822F		SeqNo: 2422055		Prep Date: 8/21/2013 DF: 1					
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

MS	Sample ID: 1308751-04B MS		Units: mg/Kg		Analysis Date: 8/22/2013 03:00 PM					
Client ID:	Run ID: WETCHEM_130822F		SeqNo: 2422060		Prep Date: 8/21/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.486 0.49 1.961 0.3882 56 75-125 0 S

MSD	Sample ID: 1308751-04B MSD		Units: mg/Kg		Analysis Date: 8/22/2013 03:00 PM					
Client ID:	Run ID: WETCHEM_130822F		SeqNo: 2422061		Prep Date: 8/21/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.405 0.50 1.984 0.3882 51.2 75-125 1.486 5.64 20 S

The following samples were analyzed in this batch: 1308752-01B

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

Client: HRL Compliance Solutions
 Work Order: 1308752
 Project: Caerus Starkey 7 Tank Pull 8/20/13

QC BATCH REPORT

Batch ID: **R125507** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R125507				Units: % of sample		Analysis Date: 8/21/2013 04:00 PM		
Client ID:		Run ID: MOIST_130821B				SeqNo: 2421386		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

LCS		Sample ID: LCS-R125507				Units: % of sample		Analysis Date: 8/21/2013 04:00 PM		
Client ID:		Run ID: MOIST_130821B				SeqNo: 2421382		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.050 100 0 100 99.5-100.5 0

DUP		Sample ID: 1308706-11A DUP				Units: % of sample		Analysis Date: 8/21/2013 04:00 PM		
Client ID:		Run ID: MOIST_130821B				SeqNo: 2421360		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 10.08 0.050 0 0 0 0-0 8.92 12.2 20

DUP		Sample ID: 1308706-15A Dup				Units: % of sample		Analysis Date: 8/21/2013 04:00 PM		
Client ID:		Run ID: MOIST_130821B				SeqNo: 2421365		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 5.96 0.050 0 0 0 0-0 7.48 22.6 20 R

The following samples were analyzed in this batch:

1308752-01B

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

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **21-Aug-13 10:00**

Work Order: **1308752**

Received by: **DS**

Checklist completed by Diane Shaw 21-Aug-13
eSignature Date

Reviewed by: Ann Preston 21-Aug-13
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="5.0 c"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="8/21/2013 11:11:32 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:

From: (970) 424-4749
Lab Hub, LLC
127 E First Street
PARACHUTE, CO 81635

Origin ID: RILA



Ship Date: 20AUG13
ActWgt: 74.0 LB
CAD: 103923490/INET3430
Dms: 25 X 14 X 15 IN

Delivery Address Bar Code



SHIP TO: (616) 399-6070
Sample receiving
ALS Holland
3352 128TH AVE

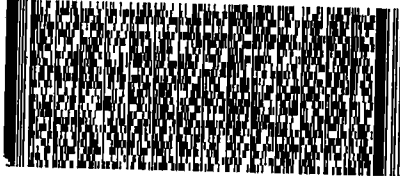
BILL RECIPIENT

Ref# 1001-082013-2
Invoice #
PO #
Dept #

HOLLAND, MI 49424

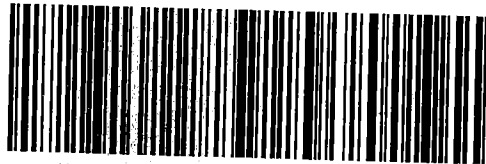
WED - 21 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7965 0687 2590
0201



XX GRRR

49424
MI-US
GRR



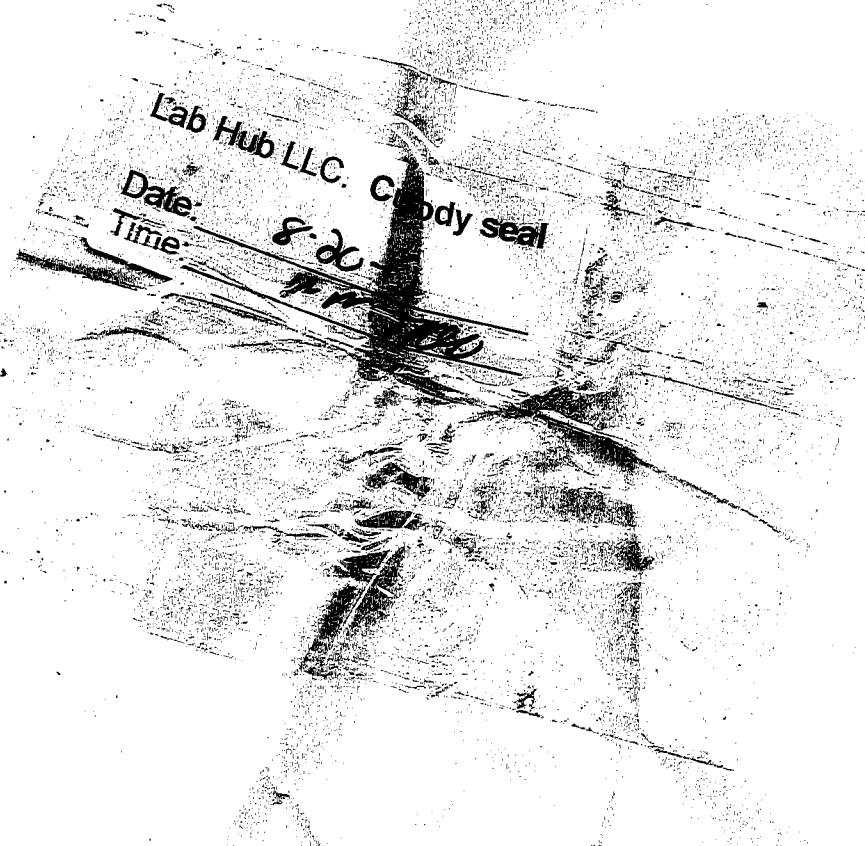
51AG10989/AGE

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19-Sep-2013

Herman Lucero
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **Caerus Starkey 7 Tank Removal #13-199-9**

Work Order: **1309442**

Dear Herman,

ALS Environmental received 1 sample on 13-Sep-2013 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 24.

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

Environmental ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Removal #13-199-9
Work Order: 1309442

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>
1309442-01	Spoils - Confirmation	Soil		9/12/2013 11:30	9/13/2013 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Removal #13-199-9
Work Order: 1309442

Case Narrative

Batch 51301 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 51377 sample Spoils Confirmation MS/MSD recoveries for Hexavalent Chromium were below the control limit. The corresponding result in the parent sample may be biased low for Hexavalent Chromium.

Batch 51367 Duplicate data for pH is not related to this project's samples. No data requires qualification.

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Removal #13-199-9
WorkOrder: 1309442

**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
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
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: 19-Sep-13

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Removal #13-199-9
Sample ID: Spoils - Confirmation
Collection Date: 9/12/2013 11:30 AM

Work Order: 1309442
Lab ID: 1309442-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 9/13/2013	Analyst: CW
DRO (C10-C28)	56		4.9	mg/Kg-dry	1	9/13/2013 08:29 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>42.8</i>		<i>39-115</i>	<i>%REC</i>	1	9/13/2013 08:29 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep Date: 9/13/2013	Analyst: CW
GRO (C6-C10)	6.0		3.0	mg/Kg-dry	1	9/13/2013 06:49 PM
<i>Surr: Toluene-d8</i>	<i>96.8</i>		<i>50-150</i>	<i>%REC</i>	1	9/13/2013 06:49 PM
MERCURY BY CVAA			SW7471		Prep Date: 9/16/2013	Analyst: LR
Mercury	0.026		0.015	mg/Kg-dry	1	9/17/2013 09:35 AM
METALS BY ICP-MS			SW6020A		Prep Date: 9/13/2013	Analyst: ML
Arsenic	9.8		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Barium	470		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Cadmium	ND		0.76	mg/Kg-dry	5	9/14/2013 09:34 AM
Chromium	19		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Copper	21		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Lead	15		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Nickel	19		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Selenium	ND		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Silver	ND		1.9	mg/Kg-dry	5	9/14/2013 09:34 AM
Zinc	67		3.8	mg/Kg-dry	5	9/14/2013 09:34 AM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 9/18/2013	Analyst: RH
Calcium	47		10	mg/L	20	9/18/2013 06:14 PM
Magnesium	34		4.0	mg/L	20	9/18/2013 06:14 PM
Sodium	360		4.0	mg/L	20	9/18/2013 06:14 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 9/18/2013	Analyst: RH
Sodium Adsorption Ratio	1.4		0.010	none	1	9/18/2013
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 9/13/2013	Analyst: HL
Acenaphthene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Acenaphthylene	ND		35	µg/Kg-dry	1	9/16/2013 03:02 PM
Anthracene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	9/16/2013 03:02 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	9/16/2013 03:02 PM
Benzo(b)fluoranthene	ND		21	µg/Kg-dry	1	9/16/2013 03:02 PM
Benzo(g,h,i)perylene	ND		33	µg/Kg-dry	1	9/16/2013 03:02 PM
Benzo(k)fluoranthene	ND		21	µg/Kg-dry	1	9/16/2013 03:02 PM
Chrysene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Dibenzo(a,h)anthracene	ND		21	µg/Kg-dry	1	9/16/2013 03:02 PM
Fluoranthene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM

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

ALS Group USA, Corp

Date: 19-Sep-13

Client: HRL Compliance Solutions
Project: Caerus Starkey 7 Tank Removal #13-199-9
Sample ID: Spoils - Confirmation
Collection Date: 9/12/2013 11:30 AM

Work Order: 1309442
Lab ID: 1309442-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Indeno(1,2,3-cd)pyrene	ND		24	µg/Kg-dry	1	9/16/2013 03:02 PM
Naphthalene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Pyrene	ND		18	µg/Kg-dry	1	9/16/2013 03:02 PM
Surr: 2-Fluorobiphenyl	71.3		12-100	%REC	1	9/16/2013 03:02 PM
Surr: 4-Terphenyl-d14	94.4		25-137	%REC	1	9/16/2013 03:02 PM
Surr: Nitrobenzene-d5	70.4		37-107	%REC	1	9/16/2013 03:02 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 9/13/2013	Analyst: AK
Benzene	ND		36	µg/Kg-dry	1	9/13/2013 03:26 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	9/13/2013 03:26 PM
m,p-Xylene	ND		71	µg/Kg-dry	1	9/13/2013 03:26 PM
o-Xylene	ND		36	µg/Kg-dry	1	9/13/2013 03:26 PM
Toluene	ND		36	µg/Kg-dry	1	9/13/2013 03:26 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	9/13/2013 03:26 PM
Surr: 1,2-Dichloroethane-d4	92.2		70-130	%REC	1	9/13/2013 03:26 PM
Surr: 4-Bromofluorobenzene	98.9		70-130	%REC	1	9/13/2013 03:26 PM
Surr: Dibromofluoromethane	94.2		70-130	%REC	1	9/13/2013 03:26 PM
Surr: Toluene-d8	95.5		70-130	%REC	1	9/13/2013 03:26 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 9/18/2013	Analyst: JB
Electrical Conductivity @ Saturation	2.4		0.050	mmhos/cm @25	10	9/18/2013 04:40 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	19		0.59	mg/Kg-dry	1	9/16/2013 12:10 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 9/16/2013	Analyst: MB
Chromium, Hexavalent	0.78		0.60	mg/Kg-dry	1	9/16/2013 04:30 PM
MOISTURE			A2540 G			Analyst: MEB
Moisture	16		0.050	% of sample	1	9/13/2013 12:15 PM
PH			SW9045D		Prep Date: 9/16/2013	Analyst: KF
pH	8.9			s.u.	1	9/16/2013 04:00 PM

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

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1309442

Project: Caerus Starkey 7 Tank Removal #13-199-9

Batch ID: 51290

Instrument ID GC8

Method: SW8015M

MBLK		Sample ID: DBLKS1-51290-51290				Units: mg/Kg		Analysis Date: 9/13/2013 02:58 PM		
Client ID:		Run ID: GC8_130913A		SeqNo: 2448688		Prep Date: 9/13/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
<i>Surr: 4-Terphenyl-d14</i>	0.878	0	1.667	0	52.7	39-115	0			

LCS		Sample ID: DLCSS1-51290-51290				Units: mg/Kg		Analysis Date: 9/13/2013 03:28 PM		
Client ID:		Run ID: GC8_130913A		SeqNo: 2448689		Prep Date: 9/13/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	149.9	4.2	166.7	0	89.9	49-124	0			
<i>Surr: 4-Terphenyl-d14</i>	0.7787	0	1.667	0	46.7	39-115	0			

MS		Sample ID: 1309440-01B MS				Units: mg/Kg		Analysis Date: 9/13/2013 04:28 PM		
Client ID:		Run ID: GC8_130913A		SeqNo: 2448690		Prep Date: 9/13/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	356.8	8.0	319.4	91.29	83.1	49-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.963	0	3.194	0	61.5	39-115	0			

MSD		Sample ID: 1309440-01B MSD				Units: mg/Kg		Analysis Date: 9/13/2013 04:58 PM		
Client ID:		Run ID: GC8_130913A		SeqNo: 2448691		Prep Date: 9/13/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	352.7	8.2	326.8	91.29	80	49-130	356.8	1.14	30	
<i>Surr: 4-Terphenyl-d14</i>	2.073	0	3.268	0	63.4	39-115	1.963	5.46	30	

The following samples were analyzed in this batch: | 1309442-01B |

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51292** Instrument ID **GC10** Method: **SW8015**

MBLK		Sample ID: MBLK-51292-51292				Units: µg/Kg		Analysis Date: 9/13/2013 01:17 PM		
Client ID:		Run ID: GC10_130913A				SeqNo: 2446144		Prep Date: 9/13/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
<i>Surr: Toluene-d8</i>	4952	0	5000	0	99	50-150	0			

LCS		Sample ID: LCS-51292-51292				Units: µg/Kg		Analysis Date: 9/13/2013 12:07 PM		
Client ID:		Run ID: GC10_130913A				SeqNo: 2446143		Prep Date: 9/13/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	429200	2,500	500000	0	85.8	70-130	0			
<i>Surr: Toluene-d8</i>	5246	0	5000	0	105	50-150	0			

MS		Sample ID: 1309440-01A MS				Units: µg/Kg		Analysis Date: 9/13/2013 09:57 PM		
Client ID:		Run ID: GC10_130913A				SeqNo: 2448240		Prep Date: 9/13/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	449800	2,500	500000	0	90	70-130	0			
<i>Surr: Toluene-d8</i>	5415	0	5000	0	108	50-150	0			

MSD		Sample ID: 1309440-01A MSD				Units: µg/Kg		Analysis Date: 9/13/2013 10:21 PM		
Client ID:		Run ID: GC10_130913A				SeqNo: 2448241		Prep Date: 9/13/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	435000	2,500	500000	0	87	70-130	449800	3.34	30	
<i>Surr: Toluene-d8</i>	5342	0	5000	0	107	50-150	5415	1.37	30	

The following samples were analyzed in this batch: 1309442-01A

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51355** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-51355-51355				Units: mg/Kg		Analysis Date: 9/17/2013 09:21 AM		
Client ID:		Run ID: HG1_130917A				SeqNo: 2449808		Prep Date: 9/16/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00125	0.020								J

LCS		Sample ID: LCS-51355-51355				Units: mg/Kg		Analysis Date: 9/17/2013 09:23 AM		
Client ID:		Run ID: HG1_130917A				SeqNo: 2449810		Prep Date: 9/16/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.175	0.020	0.1665		0	105	80-120	0		

MS		Sample ID: 1309312-10BMS				Units: mg/Kg		Analysis Date: 9/17/2013 09:27 AM		
Client ID:		Run ID: HG1_130917A				SeqNo: 2449813		Prep Date: 9/16/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1522	0.014	0.1191	0.02575	106	75-125		0		

MSD		Sample ID: 1309312-10BMSD				Units: mg/Kg		Analysis Date: 9/17/2013 09:29 AM		
Client ID:		Run ID: HG1_130917A				SeqNo: 2449815		Prep Date: 9/16/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1268	0.014	0.1143	0.02575	88.4	75-125	0.1522	18.2	35	

The following samples were analyzed in this batch: 1309442-01B

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

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: 51301 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-51301-51301				Units: mg/Kg		Analysis Date: 9/14/2013 02:47 AM		
Client ID:		Run ID: ICPMS1_130912B			SeqNo: 2446858		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	0.02846	0.25								J
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	0.1238	0.50								J

LCS		Sample ID: LCS-51301-51301				Units: mg/Kg		Analysis Date: 9/14/2013 02:54 AM		
Client ID:		Run ID: ICPMS1_130912B			SeqNo: 2446859		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.878	0.25	5	0	97.6	80-120	0			
Barium	4.904	0.25	5	0	98.1	80-120	0			
Cadmium	4.946	0.10	5	0	98.9	80-120	0			
Chromium	4.996	0.25	5	0	99.9	80-120	0			
Copper	5.055	0.25	5	0	101	80-120	0			
Lead	5.055	0.25	5	0	101	80-120	0			
Nickel	4.933	0.25	5	0	98.7	80-120	0			
Selenium	4.523	0.25	5	0	90.5	80-120	0			
Silver	5.055	0.25	5	0	101	80-120	0			
Zinc	4.736	0.50	5	0	94.7	80-120	0			

MS		Sample ID: 1309280-01BMS				Units: mg/Kg		Analysis Date: 9/14/2013 03:26 AM		
Client ID:		Run ID: ICPMS1_130912B			SeqNo: 2446864		Prep Date: 9/13/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.17	1.9	7.429	5.011	96.4	75-125	0			
Barium	238.3	1.9	7.429	192.5	616	75-125	0			SO
Cadmium	8.091	0.74	7.429	0.3293	104	75-125	0			
Chromium	24.19	1.9	7.429	17.68	87.7	75-125	0			
Copper	18.29	1.9	7.429	12.28	80.8	75-125	0			
Lead	18.87	1.9	7.429	10.35	115	75-125	0			
Nickel	19.8	1.9	7.429	15.53	57.5	75-125	0			S
Selenium	7.793	1.9	7.429	0.8972	92.8	75-125	0			
Silver	7.623	1.9	7.429	0.07078	102	75-125	0			
Zinc	47.14	3.7	7.429	37.46	130	75-125	0			SO

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51301** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1309280-01BMSD				Units: mg/Kg		Analysis Date: 9/14/2013 03:32 AM			
Client ID:		Run ID: ICPMS1_130912B			SeqNo: 2446865		Prep Date: 9/13/2013		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	11.53	1.8	7.236	5.011	90.1	75-125	12.17	5.42	25		
Barium	258.6	1.8	7.236	192.5	913	75-125	238.3	8.18	25	SO	
Cadmium	8.046	0.72	7.236	0.3293	107	75-125	8.091	0.549	25		
Chromium	24.66	1.8	7.236	17.68	96.5	75-125	24.19	1.92	25		
Copper	18.06	1.8	7.236	12.28	79.9	75-125	18.29	1.23	25		
Lead	18.04	1.8	7.236	10.35	106	75-125	18.87	4.51	25		
Nickel	19.62	1.8	7.236	15.53	56.6	75-125	19.8	0.91	25	S	
Selenium	7.681	1.8	7.236	0.8972	93.8	75-125	7.793	1.45	25		
Silver	7.576	1.8	7.236	0.07078	104	75-125	7.623	0.613	25		
Zinc	45.91	3.6	7.236	37.46	117	75-125	47.14	2.64	25	O	

The following samples were analyzed in this batch: | 1309442-01B |

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51319** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1309445-01CDUP				Units: mg/L		Analysis Date: 9/18/2013 04:14 PM		
Client ID:		Run ID: ICPMS2_130918A			SeqNo: 2453447		Prep Date: 9/18/2013		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	6.41	10	0	0	0	0-0	5.634	0		J
Magnesium	1.759	4.0	0	0	0	0-0	2.178	0		J
Sodium	194.5	4.0	0	0	0	0-0	192.3	1.14		

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51289** Instrument ID **SVMS4** Method: **SW8270**

MBLK		Sample ID: SBLKS1-51289-51289				Units: µg/Kg		Analysis Date: 9/16/2013 10:08 AM		
Client ID:		Run ID: SVMS4_130916A			SeqNo: 2448913		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Acenaphthylene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
<i>Surr: 2-Fluorobiphenyl</i>	1249	0	1667	0	75	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1752	0	1667	0	105	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1285	0	1667	0	77.1	37-107	0			

LCS		Sample ID: SLCSS1-51289-51289				Units: µg/Kg		Analysis Date: 9/16/2013 09:36 AM		
Client ID:		Run ID: SVMS4_130916A			SeqNo: 2448912		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	586	30	666.7	0	87.9	45-110	0			
Acenaphthylene	609.7	30	666.7	0	91.4	45-105	0			
Anthracene	639.3	30	666.7	0	95.9	55-105	0			
Benzo(a)anthracene	616.7	30	666.7	0	92.5	50-110	0			
Benzo(a)pyrene	629.7	30	666.7	0	94.4	50-110	0			
Benzo(b)fluoranthene	510	30	666.7	0	76.5	45-115	0			
Benzo(g,h,i)perylene	825	30	666.7	0	124	40-125	0			
Benzo(k)fluoranthene	633.3	30	666.7	0	95	45-115	0			
Chrysene	645.7	30	666.7	0	96.8	55-110	0			
Dibenzo(a,h)anthracene	749.3	30	666.7	0	112	40-125	0			
Fluoranthene	576.7	30	666.7	0	86.5	55-115	0			
Fluorene	607.3	30	666.7	0	91.1	50-110	0			
Indeno(1,2,3-cd)pyrene	800	30	666.7	0	120	40-120	0			
Naphthalene	577.3	30	666.7	0	86.6	40-105	0			
Pyrene	639.3	30	666.7	0	95.9	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1302	0	1667	0	78.1	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1664	0	1667	0	99.8	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1360	0	1667	0	81.6	37-107	0			

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

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: 51289 Instrument ID SVMS4 Method: SW8270

MS				Sample ID: 1309440-01B MS			Units: µg/Kg		Analysis Date: 9/16/2013 01:28 PM		
Client ID:		Run ID: SVMS4_130916A		SeqNo: 2448914		Prep Date: 9/13/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1071	56	1254	0	85.4	45-110	0				
Acenaphthylene	1096	56	1254	0	87.4	45-105	0				
Anthracene	1228	56	1254	0	97.9	55-105	0				
Benzo(a)anthracene	1159	56	1254	0	92.4	50-110	0				
Benzo(a)pyrene	1176	56	1254	0	93.8	50-110	0				
Benzo(b)fluoranthene	1013	56	1254	0	80.8	45-115	0				
Benzo(g,h,i)perylene	1373	56	1254	27.56	107	40-125	0				
Benzo(k)fluoranthene	1159	56	1254	0	92.4	45-115	0				
Chrysene	1236	56	1254	17.06	97.2	55-110	0				
Dibenzo(a,h)anthracene	1259	56	1254	0	100	40-125	0				
Fluoranthene	1170	56	1254	0	93.3	55-115	0				
Fluorene	1138	56	1254	0	90.8	50-110	0				
Indeno(1,2,3-cd)pyrene	1342	56	1254	0	107	40-120	0				
Naphthalene	1002	56	1254	0	79.9	40-105	0				
Pyrene	1296	56	1254	0	103	45-125	0				
Surr: 2-Fluorobiphenyl	2343	0	3135	0	74.8	12-100	0				
Surr: 4-Terphenyl-d14	3222	0	3135	0	103	25-137	0				
Surr: Nitrobenzene-d5	2387	0	3135	0	76.2	37-107	0				

MSD				Sample ID: 1309440-01B MSD			Units: µg/Kg		Analysis Date: 9/16/2013 01:59 PM		
Client ID:		Run ID: SVMS4_130916A		SeqNo: 2448915		Prep Date: 9/13/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1074	58	1293	0	83	45-110	1071	0.213	30		
Acenaphthylene	1107	58	1293	0	85.6	45-105	1096	0.924	30		
Anthracene	1257	58	1293	0	97.2	55-105	1228	2.34	30		
Benzo(a)anthracene	1206	58	1293	0	93.2	50-110	1159	3.98	30		
Benzo(a)pyrene	1197	58	1293	0	92.6	50-110	1176	1.77	30		
Benzo(b)fluoranthene	1041	58	1293	0	80.5	45-115	1013	2.69	30		
Benzo(g,h,i)perylene	1254	58	1293	27.56	94.9	40-125	1373	9.05	30		
Benzo(k)fluoranthene	1175	58	1293	0	90.8	45-115	1159	1.37	30		
Chrysene	1274	58	1293	17.06	97.2	55-110	1236	3.06	30		
Dibenzo(a,h)anthracene	1220	58	1293	0	94.3	40-125	1259	3.15	30		
Fluoranthene	1182	58	1293	0	91.4	55-115	1170	1.01	30		
Fluorene	1133	58	1293	0	87.6	50-110	1138	0.526	30		
Indeno(1,2,3-cd)pyrene	1259	58	1293	0	97.3	40-120	1342	6.43	30		
Naphthalene	941.2	58	1293	0	72.8	40-105	1002	6.24	30		
Pyrene	1265	58	1293	0	97.8	45-125	1296	2.45	30		
Surr: 2-Fluorobiphenyl	2335	0	3232	0	72.2	12-100	2343	0.367	40		
Surr: 4-Terphenyl-d14	3247	0	3232	0	100	25-137	3222	0.779	40		
Surr: Nitrobenzene-d5	2308	0	3232	0	71.4	37-107	2387	3.39	40		

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51289** Instrument ID **SVMS4** Method: **SW8270**

The following samples were analyzed in this batch:

1309442-01B

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51293** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: MBLK-51293-51293				Units: µg/Kg		Analysis Date: 9/13/2013 01:47 PM		
Client ID:		Run ID: VMS5_130913A			SeqNo: 2445988		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	982	0	1000	0	98.2	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	994	0	1000	0	99.4	70-130	0			
<i>Surr: Dibromofluoromethane</i>	967	0	1000	0	96.7	70-130	0			
<i>Surr: Toluene-d8</i>	936	0	1000	0	93.6	70-130	0			

LCS		Sample ID: LCS-51293-51293				Units: µg/Kg		Analysis Date: 9/13/2013 12:37 PM		
Client ID:		Run ID: VMS5_130913A			SeqNo: 2445980		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	958.5	30	1000	0	95.8	75-125	0			
Ethylbenzene	879	30	1000	0	87.9	75-125	0			
m,p-Xylene	1757	60	2000	0	87.8	80-125	0			
o-Xylene	904.5	30	1000	0	90.4	75-125	0			
Toluene	890.5	30	1000	0	89	70-125	0			
Xylenes, Total	2662	90	3000	0	88.7	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	982	0	1000	0	98.2	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1016	0	1000	0	102	70-130	0			
<i>Surr: Dibromofluoromethane</i>	993	0	1000	0	99.3	70-130	0			
<i>Surr: Toluene-d8</i>	942	0	1000	0	94.2	70-130	0			

MS		Sample ID: 1309422-01A MS				Units: µg/Kg		Analysis Date: 9/16/2013 09:34 PM		
Client ID:		Run ID: VMS5_130916A			SeqNo: 2449971		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	920.3	32	1056	0	87.2	75-125	0			
Ethylbenzene	901.3	32	1056	0	85.4	75-125	0			
m,p-Xylene	1820	63	2112	0	86.2	80-125	0			
o-Xylene	917.6	32	1056	0	86.9	75-125	0			
Toluene	915	32	1056	0	86.6	70-125	0			
Xylenes, Total	2738	95	3168	0	86.4	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	1080	0	1056	0	102	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1034	0	1056	0	97.9	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1030	0	1056	0	97.6	70-130	0			
<i>Surr: Toluene-d8</i>	1043	0	1056	0	98.8	70-130	0			

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51293** Instrument ID **VMS5** Method: **SW8260B**

MSD		Sample ID: 1309422-01A MSD				Units: µg/Kg		Analysis Date: 9/16/2013 09:57 PM		
Client ID:		Run ID: VMS5_130916A			SeqNo: 2449972		Prep Date: 9/13/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	916.6	32	1056	0	86.8	75-125	920.3	0.402	30	
Ethylbenzene	906.5	32	1056	0	85.8	75-125	901.3	0.584	30	
m,p-Xylene	1810	63	2112	0	85.7	80-125	1820	0.524	30	
o-Xylene	943.5	32	1056	0	89.4	75-125	917.6	2.78	30	
Toluene	896.5	32	1056	0	84.9	70-125	915	2.04	30	
Xylenes, Total	2754	95	3168	0	86.9	75-125	2738	0.596	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	1063	0	1056	0	101	70-130	1080	1.58	30	
<i>Surr: 4-Bromofluorobenzene</i>	1024	0	1056	0	97	70-130	1034	0.924	30	
<i>Surr: Dibromofluoromethane</i>	1015	0	1056	0	96.2	70-130	1030	1.45	30	
<i>Surr: Toluene-d8</i>	1030	0	1056	0	97.6	70-130	1043	1.22	30	

The following samples were analyzed in this batch: | 1309442-01A |

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51319** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP	Sample ID: 1309445-01C DUP		Units: mmhos/cm @25°C		Analysis Date: 9/18/2013 04:40 PM					
Client ID:	Run ID: WETCHEM_130918S		SeqNo: 2453032		Prep Date: 9/18/2013 DF: 10					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.969	0.050	0	0	0		0.949	2.09	50	

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
Work Order: 1309442
Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **51367** Instrument ID **WETCHEM** Method: **SW9045D**

LCS	Sample ID: LCS-51367-51367		Units: s.u.		Analysis Date: 9/16/2013 04:00 PM					
Client ID:	Run ID: WETCHEM_130916F		SeqNo: 2449112		Prep Date: 9/16/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 3.93 0 4 0 98.2 90-110 0

DUP	Sample ID: 1309446-01A DUP		Units: s.u.		Analysis Date: 9/16/2013 04:00 PM					
Client ID:	Run ID: WETCHEM_130916F		SeqNo: 2449116		Prep Date: 9/16/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 12.55 0 0 0 0 0-0 12.48 0.559 20

DUP	Sample ID: 1309478-01A DUP		Units: s.u.		Analysis Date: 9/16/2013 04:00 PM					
Client ID:	Run ID: WETCHEM_130916F		SeqNo: 2449121		Prep Date: 9/16/2013 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 7.1 0 0 0 0 0-0 6.96 1.99 20 H

The following samples were analyzed in this batch: 1309442-01B

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

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: 51377 Instrument ID WETCHEM Method: SW7196A

MBLK		Sample ID: MBLK-51377-51377				Units: mg/Kg		Analysis Date: 9/16/2013 04:30 PM		
Client ID:		Run ID: WETCHEM_130916H		SeqNo: 2449197		Prep Date: 9/16/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.50

LCS		Sample ID: LCS-51377-51377				Units: mg/Kg		Analysis Date: 9/16/2013 04:30 PM		
Client ID:		Run ID: WETCHEM_130916H		SeqNo: 2449196		Prep Date: 9/16/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.72 0.50 2 0 86 80-120 0

MS		Sample ID: 1309442-01B MS				Units: mg/Kg		Analysis Date: 9/16/2013 04:30 PM		
Client ID: Spoils - Confirmation		Run ID: WETCHEM_130916H		SeqNo: 2449188		Prep Date: 9/16/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.902 0.51 2.033 0.6573 61.3 75-125 0 S

MS		Sample ID: 1309442-01B MSI				Units: mg/Kg		Analysis Date: 9/16/2013 04:30 PM		
Client ID: Spoils - Confirmation		Run ID: WETCHEM_130916H		SeqNo: 2449190		Prep Date: 9/16/2013		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 886.9 50 1405 0.6573 63.1 75-125 0 S

MSD		Sample ID: 1309442-01B MSD				Units: mg/Kg		Analysis Date: 9/16/2013 04:30 PM		
Client ID: Spoils - Confirmation		Run ID: WETCHEM_130916H		SeqNo: 2449189		Prep Date: 9/16/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.777 0.49 1.953 0.6573 57.3 75-125 1.902 6.8 20 S

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1309442
 Project: Caerus Starkey 7 Tank Removal #13-199-9

QC BATCH REPORT

Batch ID: **R126620** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS-R126620		Units: % of sample				Analysis Date: 9/13/2013 12:15 PM			
Client ID:	Run ID: MOIST_130913F		SeqNo: 2446667		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

LCS	Sample ID: LCS-R126620		Units: % of sample				Analysis Date: 9/13/2013 12:15 PM			
Client ID:	Run ID: MOIST_130913F		SeqNo: 2446663		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.050 100 0 100 99.5-100.5 0

DUP	Sample ID: 1309391-05A DUP		Units: % of sample				Analysis Date: 9/13/2013 12:15 PM			
Client ID:	Run ID: MOIST_130913F		SeqNo: 2446645		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 52.72 0.050 0 0 0 0-0 51.55 2.24 20

DUP	Sample ID: 1309442-01B DUP		Units: % of sample				Analysis Date: 9/13/2013 12:15 PM			
Client ID: Spoils - Confirmation	Run ID: MOIST_130913F		SeqNo: 2446654		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 16.02 0.050 0 0 0 0-0 15.54 3.04 20

The following samples were analyzed in this batch: 1309442-01B

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

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **13-Sep-13 09:30**

Work Order: **1309442**

Received by: **DS**

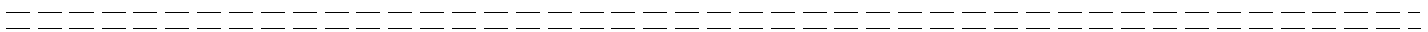
Checklist completed by Diane Shaw 13-Sep-13
eSignature Date

Reviewed by: Ann Preston 14-Sep-13
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>2.2 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>9/13/2013 9:58:11 AM</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:

9/12/13

FedEx Ship Manager - Print Your Label(s)

From: (970) 424-4749
Lab Hub, LLC

Origin ID: RILA



Ship Date: 12SEP13
Act/Wgt: 76.0 LB
CAD: 103923490/NET3430

Dims: 25 X 14 X 15 IN

127 E First Street

PARACHUTE, CO 81635



J13201306280326

Delivery Address Bar Code



SHIP TO: (616) 399-6070

Sample receiving
ALS Holland
3352 128TH AVE

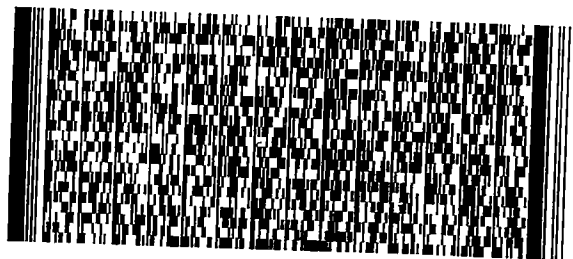
BILL RECIPIENT

Ref # 1001-091213-5
Invoice #
PO #
Dept #

HOLLAND, MI 49424

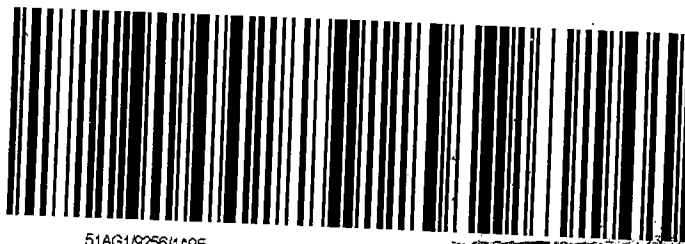
FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

TRK# 7966 7776 7322
0201



XX GRRRA

49424
MI-US
GRR



51AG18256/1A9E

After printing this label:

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

Warning: Use **only** the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations of sales, income interest, profit, royalties, 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. precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits. See Service Guide.

Time
Date
1-6
Lab Hub LLC City seal



15-Nov-2012

Herman Lucero
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **PDC Starkey 7 Background 12-202 11/7/12**

Work Order: **1211233**

Dear Herman,

ALS Environmental received 3 samples on 08-Nov-2012 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 14.

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: MN331938

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 ALS Environmental logo icon consisting of a stylized green leaf or flame shape.

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: PDC Starkey 7 Background 12-202 11/7/12
Work Order: 1211233

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>
1211233-01	BKGD 1	Soil		11/7/2012 10:40	11/8/2012 10:00	<input type="checkbox"/>
1211233-02	BKGD 2	Soil		11/7/2012 10:50	11/8/2012 10:00	<input type="checkbox"/>
1211233-03	BKGD 3	Soil		11/7/2012 10:55	11/8/2012 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: PDC Starkey 7 Background 12-202 11/7/12
WorkOrder: 1211233

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mhos/cm @25°	
none	
s.u.	Standard Units

ALS Group USA, Corp

Date: 15-Nov-12

Client: HRL Compliance Solutions
Project: PDC Starkey 7 Background 12-202 11/7/12
Sample ID: BKGD 1
Collection Date: 11/7/2012 10:40 AM

Work Order: 1211233
Lab ID: 1211233-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 11/11/2012	Analyst: CES
Arsenic	10		0.73	mg/Kg-dry	2	11/13/2012 03:33 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 11/13/2012	Analyst: CES
Calcium	52		5.7	mg/L-dry	10	11/13/2012 09:13 PM
Magnesium	53		2.3	mg/L-dry	10	11/13/2012 09:13 PM
Sodium	44		2.3	mg/L-dry	10	11/13/2012 09:13 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 11/13/2012	Analyst: CES
Sodium Adsorption Ratio	0.97		0.010	none	1	11/14/2012
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 11/13/2012	Analyst: KF
Electrical Conductivity @ Saturation	0.80		0.025	mmhos/cm @25	5	11/14/2012 02:20 PM
MOISTURE			A2540 G			Analyst: LR
Moisture	13		0.050	% of sample	1	11/12/2012 06:15 PM
PH			SW9045D			Analyst: KF
pH	8.96			s.u.	1	11/9/2012 08:30 AM

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

ALS Group USA, Corp

Date: 15-Nov-12

Client: HRL Compliance Solutions
Project: PDC Starkey 7 Background 12-202 11/7/12
Sample ID: BKGD 2
Collection Date: 11/7/2012 10:50 AM

Work Order: 1211233
Lab ID: 1211233-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 11/11/2012	Analyst: CES
Arsenic	17		0.78	mg/Kg-dry	2	11/13/2012 03:39 PM
MOISTURE			A2540 G			Analyst: LR
Moisture	9.8		0.050	% of sample	1	11/12/2012 06:15 PM

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

ALS Group USA, Corp

Date: 15-Nov-12

Client: HRL Compliance Solutions
Project: PDC Starkey 7 Background 12-202 11/7/12
Sample ID: BKGD 3
Collection Date: 11/7/2012 10:55 AM

Work Order: 1211233
Lab ID: 1211233-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 11/11/2012	Analyst: CES
Arsenic	9.3		0.97	mg/Kg-dry	2	11/13/2012 03:45 PM
MOISTURE			A2540 G			Analyst: LR
Moisture	16		0.050	% of sample	1	11/12/2012 06:15 PM

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

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1211233

Project: PDC Starkey 7 Background 12-202 11/7/12

Batch ID: **44658** Instrument ID **ICPMS1** Method: **SW6020A (Dissolve)**

DUP		Sample ID: 1211252-02C DUP				Units: mg/L		Analysis Date: 11/14/2012 02:25 PM		
Client ID:		Run ID: ICPMS1_121114A				SeqNo: 2139457		Prep Date: 11/13/2012		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	184.4	5.0	0	0	0	0-0	197.9	7.06		
Magnesium	13.66	2.0	0	0	0	0-0	14.9	8.68		
Sodium	22.28	2.0	0	0	0	0-0	23.48	5.24		

DUP		Sample ID: 1211252-02C DUP				Units: none		Analysis Date: 11/14/2012		
Client ID:		Run ID: SAR_121114B				SeqNo: 2139541		Prep Date: 11/13/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.4265	0.010	0	0	0		0.4335	1.62	50	

The following samples were analyzed in this batch: 1211233-01B

Client: HRL Compliance Solutions
 Work Order: 1211233
 Project: PDC Starkey 7 Background 12-202 11/7/12

QC BATCH REPORT

Batch ID: **44669** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK	Sample ID: MBLK-44669-44669		Units: mg/Kg		Analysis Date: 11/12/2012 04:09 PM					
Client ID:	Run ID: ICPMS1_121112A		SeqNo: 2137615		Prep Date: 11/11/2012 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic ND 0.25

LCS	Sample ID: LCS-44669-44669		Units: mg/Kg		Analysis Date: 11/12/2012 04:15 PM					
Client ID:	Run ID: ICPMS1_121112A		SeqNo: 2137616		Prep Date: 11/11/2012 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 4.452 0.25 5 0 89 80-120 0

MS	Sample ID: 1211206-02BMS		Units: mg/Kg		Analysis Date: 11/12/2012 04:49 PM					
Client ID:	Run ID: ICPMS1_121112A		SeqNo: 2137622		Prep Date: 11/11/2012 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 9.534 0.36 7.278 2.945 90.5 75-125 0

MSD	Sample ID: 1211206-02BMSD		Units: mg/Kg		Analysis Date: 11/12/2012 04:55 PM					
Client ID:	Run ID: ICPMS1_121112A		SeqNo: 2137623		Prep Date: 11/11/2012 DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 9.389 0.35 7.022 2.945 91.8 75-125 9.534 1.53 25

The following samples were analyzed in this batch: 1211233-01A 1211233-02A 1211233-03A

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

Client: HRL Compliance Solutions
Work Order: 1211233
Project: PDC Starkey 7 Background 12-202 11/7/12

QC BATCH REPORT

Batch ID: **44658** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP	Sample ID: 1211252-02C DUP					Units: mmhos/cm @25°F	Analysis Date: 11/14/2012 02:20 PM			
Client ID:	Run ID: WETCHEM_121114G			SeqNo: 2139308	Prep Date: 11/13/2012	DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.119	0.050	0	0	0		1.145	2.3	50	

DUP	Sample ID: 1211286-01C DUP					Units: mmhos/cm @25°F	Analysis Date: 11/15/2012 02:00 PM			
Client ID:	Run ID: WETCHEM_121115J			SeqNo: 2140849	Prep Date: 11/13/2012	DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	11.23	0.050	0	0	0		0			

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1211233
 Project: PDC Starkey 7 Background 12-202 11/7/12

QC BATCH REPORT

Batch ID: **R112451** Instrument ID **MOIST** Method: **A2540 G**

MBLK	Sample ID: WBLKS1-R112451		Units: % of sample				Analysis Date: 11/12/2012 06:15 PM			
Client ID:	Run ID: MOIST_121112B		SeqNo: 2137348		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

LCS	Sample ID: LCS-R112451		Units: % of sample				Analysis Date: 11/12/2012 06:15 PM			
Client ID:	Run ID: MOIST_121112B		SeqNo: 2137344		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.050 100 0 100 99.5-100.5 0

DUP	Sample ID: 1211236-06A DUP		Units: % of sample				Analysis Date: 11/12/2012 06:15 PM			
Client ID:	Run ID: MOIST_121112B		SeqNo: 2137333		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 8.96 0.050 0 0 0 0-0 9.48 5.64 20

DUP	Sample ID: 1211286-01B DUP		Units: % of sample				Analysis Date: 11/12/2012 06:15 PM			
Client ID:	Run ID: MOIST_121112B		SeqNo: 2137340		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.83 0.050 0 0 0 0-0 11.82 0.0846 20

DUP	Sample ID: 1211306-02A DUP		Units: % of sample				Analysis Date: 11/12/2012 06:15 PM			
Client ID:	Run ID: MOIST_121112B		SeqNo: 2137342		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 18.09 0.050 0 0 0 0-0 18.48 2.13 20

The following samples were analyzed in this batch: 1211233-01A 1211233-02A 1211233-03A

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

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **08-Nov-12 10:00**

Work Order: **1211233**

Received by: **DS**

Checklist completed by Diane Shaw 08-Nov-12
eSignature Date

Reviewed by: Ann Preston 11-Nov-12
eSignature Date

Matrices: Soil
Carrier name: FedEx

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s): 3.0 c

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 11/8/2012 11:09:52 AM

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

FedEx **NEW Package**



ALS Environmental

3362 128th Avenue
Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6186

CUSTODY SEAL

Date: 11.7.12 Time: 1700
Name: [Signature]
Company: HCSI

Seal Broken By:

Date:

1 From
Date
Sender Name

Company:

Address:

City:

2 Your Internal Billing Reference

3 To Recipient Name

Company:

Address:

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address:

Use this one for the HOLD location address or for continuation of your shipping address.

City HOLLAND

State MI

ZIP 49424

Monday unless SATURDAY Delivery is selected.

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

05 FedEx Standard Overnight
Next business day. Saturday Delivery is available.

03 FedEx 2Day
Second business day. Monday, Tuesday, Wednesday, Thursday, Friday. Delivery is selected.

20 FedEx Express Saver
Third business day. Saturday Delivery NOT available.

5 Packaging

06 FedEx Envelope

02 FedEx Pak

03 FedEx Tube

04 FedEx Tube

01 Other

6 Signature

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

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

34 Indirect Signature
Someone at recipient's address may sign for delivery. For residential deliveries only. For applies.

01 HOLD weekdays
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

01 HOLD Saturday
FedEx location address REQUIRED. Available only for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?

One box must be checked.

No Yes
As per attached Shipper's Declaration

06 Dry Ice
Dry Ice, 9 UN 1845

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

Cargo Aircraft Only

7 Payment Bill to:

1 Sender
2 Recipient
3 Third Party
4 Credit Card
5 Cash/Check

Total Packages

Total Weight

1 47 lbs.

Credit Card Auth.



8987 5964 3457

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

612

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