

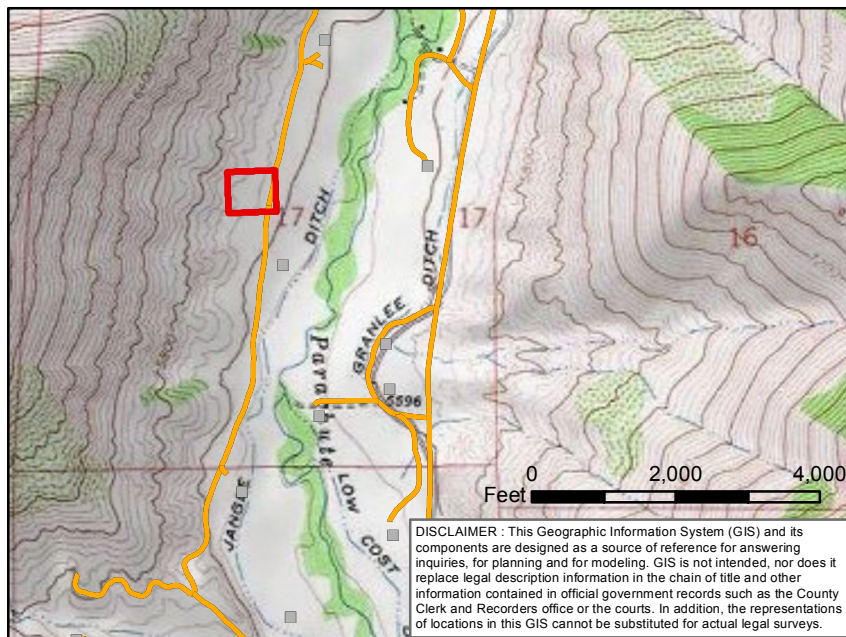
Parachute Creek 4 (Chevron 23C-17D) (Location ID 335773)
Partially Buried Vessel Removal (Non-Facility ID 435750)
Form 4 (Notice of Completion)
Narrative Attachment

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 435750) at the Parachute Creek 4 (Chevron 23C-17D) pad location (Location ID 335773) in the Caerus Piceance, LLC (Caerus) area of operations. This assessment was conducted using procedures approved under 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. All impacted soil was removed and disposed of at ECDC Landfill in East Carbon, Utah.

On August 7, 2013, confirmation soil samples were collected from the soil around and beneath the removed PBV (North Wall 6', South Wall 7', East Wall 6', West Wall 6', and Footprint 12'). 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 electrical conductivity (EC) measurements of soil samples West Wall 6' and Footprint 12'. 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 Level for EC to soils deeper than three feet below ground surface. Background sample were collected from an undisturbed areas north of the excavated area. Laboratory analytical results are summarized in the attached analytical table and laboratory analytical reports are included as an attachment.

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



Attachment A - Sample Location Map

Location: Parachute Creek #4

Caerus Piceance, LLC

Legend

- Sample Location
- Public Road
- Affected Area

Comments:



HCSI
ENVIRONMENTAL CONSULTANTS

Caerus Piceance LLC
Parachute Creek 4 PBV Removal
Soil Sample Confirmation and Background Analytical Results

			Sample ID							
COGCC Table 901-1 Analytical Suite	Table 910-1 Standard	Units	North Wall 6'	South Wall 7'	East Wall 6'	West Wall 6'	Footprint 12'	BKGD 1	BKGD 2	BKGD 3
Sample Date			8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013
Sample Type			Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Background	Background	Background
Metals										
Arsenic	0.39	mg/kg	9.7	7.9	8.8	9.1	9.0	6.9	11	4.4
Barium	15,000	mg/kg	260	200	300	180	180	NA	NA	NA
Cadmium	70	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Chromium (III)	120,000	mg/kg	11	12	9.7	11	11	NA	NA	NA
Chromium (VI)	23	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Copper	3,100	mg/kg	18	19	15	17	19	NA	NA	NA
Lead	400	mg/kg	12	14	12	14	15	NA	NA	NA
Mercury	23	mg/kg	0.019	ND	0.021	0.017	0.020	NA	NA	NA
Nickel	1,600	mg/kg	17	19	16	18	19	NA	NA	NA
Selenium	390	mg/kg	ND	2.2	ND	ND	ND	NA	NA	NA
Silver	390	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Zinc	23,000	mg/kg	63	69	60	64	68	NA	NA	NA
Inorganics										
EC	4 or 2x background	mmhos/cm	2.1	2.8	2.2	4.1	6.4	1.2	NA	NA
pH	6-9	SU	8.3	8.1	8.4	8.0	7.8	8.0	NA	NA
SAR	12	unitless	1.7	1.8	3.2	3.1	5.5	0.19	NA	NA
Organics										
TPH-GRO			ND	ND	ND	ND	ND	NA	NA	NA
TPH-DRO			22	18	18	ND	ND	NA	NA	NA
TPH	500	mg/kg	22	18	18	ND	ND	NA	NA	NA
Benzene	0.17	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Toluene	85	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Ethylbenzene	100	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Total Xylenes	175	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Acenaphthene	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Anthracene	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Chrysene	22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Fluoranthene	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Fluorene	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Naphthalene	23	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA
Pyrene	1,000	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA

Notes:

< - less than the stated reporting limit

Highlight - indicates result exceeds the COGCC concentration level

COGCC - Colorado Oil and Gas Conservation Commission

EC - electrical conductivity

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

ND - not detected

NA - not analyzed

SAR - sodium adsorption ratio

SU - standard unit

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH - combination of TPH-GRO and TPH-DRO



12-Aug-2013

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

Re: **Caerus Parachute Creek 4 Tank Removal 8/7/13**

Work Order: **1308304**

Dear Herman,

ALS Environmental received 5 samples on 08-Aug-2013 09:45 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 31.

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 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13
Work Order: 1308304

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>
1308304-01	North Wall, 6'	Soil		8/7/2013 14:46	8/8/2013 09:45	<input type="checkbox"/>
1308304-02	South Wall, 7'	Soil		8/7/2013 14:43	8/8/2013 09:45	<input type="checkbox"/>
1308304-03	East Wall, 6'	Soil		8/7/2013 14:37	8/8/2013 09:45	<input type="checkbox"/>
1308304-04	West Wall, 6'	Soil		8/7/2013 14:12	8/8/2013 09:45	<input type="checkbox"/>
1308304-05	Footprint, 12'	Soil		8/7/2013 14:05	8/8/2013 09:45	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13
Work Order: 1308304

Case Narrative

Batch 50400 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 50484 sample Footprint, 12' MSD recovery for Hexavalent Chromium was below control limits. Both the MS recovery and RPD met quality control criteria. No data requires qualification for Hexavalent Chromium.

Client: HRL Compliance Solutions
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13
WorkOrder: 1308304

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: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: North Wall, 6'

Lab ID: 1308304-01

Collection Date: 8/7/2013 02:46 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	22		SW8015M		Prep Date: 8/8/2013	Analyst: RD
			4.7	mg/Kg-dry	1	8/8/2013 09:04 PM
Surr: 4-Terphenyl-d14	62.3		39-115	%REC	1	8/8/2013 09:04 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep Date: 8/8/2013	Analyst: RD
			2.9	mg/Kg-dry	1	8/8/2013 03:14 PM
Surr: Toluene-d8	118		50-150	%REC	1	8/8/2013 03:14 PM
MERCURY BY CVAA						
Mercury	0.019		SW7471		Prep Date: 8/8/2013	Analyst: LR
			0.017	mg/Kg-dry	1	8/8/2013 04:56 PM
METALS BY ICP-MS						
Arsenic	9.7		SW6020A		Prep Date: 8/8/2013	Analyst: ML
			2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Barium	260		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Cadmium	ND		0.85	mg/Kg-dry	5	8/9/2013 08:24 AM
Chromium	11		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Copper	18		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Lead	12		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Nickel	17		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Selenium	ND		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Silver	ND		2.1	mg/Kg-dry	5	8/9/2013 08:24 AM
Zinc	63		4.3	mg/Kg-dry	5	8/9/2013 08:24 AM
SOLUBLE CATIONS FOR SAR						
Calcium	200		SW6020A		Prep Date: 8/10/2013	Analyst: RH
			10	mg/L	20	8/12/2013 01:36 PM
Magnesium	61		4.0	mg/L	20	8/12/2013 01:36 PM
Sodium	100		4.0	mg/L	20	8/12/2013 01:36 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	1.7		USDA H60 METHO		Prep Date: 8/10/2013	Analyst: RH
			0.010	none	1	8/12/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 8/8/2013	Analyst: HL
			17	µg/Kg-dry	1	8/9/2013 12:05 PM
Acenaphthylene	ND		34	µg/Kg-dry	1	8/9/2013 12:05 PM
Anthracene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM
Benzo(a)anthracene	ND		19	µg/Kg-dry	1	8/9/2013 12:05 PM
Benzo(a)pyrene	ND		19	µg/Kg-dry	1	8/9/2013 12:05 PM
Benzo(b)fluoranthene	ND		21	µg/Kg-dry	1	8/9/2013 12:05 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	8/9/2013 12:05 PM
Benzo(k)fluoranthene	ND		21	µg/Kg-dry	1	8/9/2013 12:05 PM
Chrysene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM
Dibenzo(a,h)anthracene	ND		21	µg/Kg-dry	1	8/9/2013 12:05 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: North Wall, 6'

Lab ID: 1308304-01

Collection Date: 8/7/2013 02:46 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/9/2013 12:05 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM
Pyrene	ND		17	µg/Kg-dry	1	8/9/2013 12:05 PM
Surr: 2-Fluorobiphenyl	63.4		12-100	%REC	1	8/9/2013 12:05 PM
Surr: 4-Terphenyl-d14	95.0		25-137	%REC	1	8/9/2013 12:05 PM
Surr: Nitrobenzene-d5	63.0		37-107	%REC	1	8/9/2013 12:05 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/8/2013	Analyst: AK
Benzene	ND		35	µg/Kg-dry	1	8/8/2013 01:00 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	8/8/2013 01:00 PM
m,p-Xylene	ND		70	µg/Kg-dry	1	8/8/2013 01:00 PM
o-Xylene	ND		35	µg/Kg-dry	1	8/8/2013 01:00 PM
Toluene	ND		35	µg/Kg-dry	1	8/8/2013 01:00 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/8/2013 01:00 PM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	8/8/2013 01:00 PM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	8/8/2013 01:00 PM
Surr: Dibromofluoromethane	98.8		70-130	%REC	1	8/8/2013 01:00 PM
Surr: Toluene-d8	102		70-130	%REC	1	8/8/2013 01:00 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	2.1		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	11		0.59	mg/Kg-dry	1	8/12/2013 05:25 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/9/2013	Analyst: RLF
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	8/12/2013 02:00 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	15		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	8.3			s.u.	1	8/8/2013 04:30 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: South Wall, 7'

Lab ID: 1308304-02

Collection Date: 8/7/2013 02:43 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	18		SW8015M		Prep Date: 8/8/2013	Analyst: RD
			5.0	mg/Kg-dry	1	8/8/2013 09:34 PM
Surr: 4-Terphenyl-d14	63.8		39-115	%REC	1	8/8/2013 09:34 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep Date: 8/8/2013	Analyst: RD
			3.0	mg/Kg-dry	1	8/8/2013 02:22 PM
Surr: Toluene-d8	114		50-150	%REC	1	8/8/2013 02:22 PM
MERCURY BY CVAA						
Mercury	ND		SW7471		Prep Date: 8/8/2013	Analyst: LR
			0.019	mg/Kg-dry	1	8/8/2013 04:58 PM
METALS BY ICP-MS						
Arsenic	7.9		SW6020A		Prep Date: 8/8/2013	Analyst: ML
			2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Barium	200		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Cadmium	ND		0.81	mg/Kg-dry	5	8/9/2013 08:30 AM
Chromium	12		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Copper	19		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Lead	14		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Nickel	19		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Selenium	2.2		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Silver	ND		2.0	mg/Kg-dry	5	8/9/2013 08:30 AM
Zinc	69		4.0	mg/Kg-dry	5	8/9/2013 08:30 AM
SOLUBLE CATIONS FOR SAR						
Calcium	270		SW6020A		Prep Date: 8/10/2013	Analyst: RH
			10	mg/L	20	8/12/2013 01:42 PM
Magnesium	76		4.0	mg/L	20	8/12/2013 01:42 PM
Sodium	130		4.0	mg/L	20	8/12/2013 01:42 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	1.8		USDA H60 METHO		Prep Date: 8/10/2013	Analyst: RH
			0.010	none	1	8/12/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 8/8/2013	Analyst: HL
			18	µg/Kg-dry	1	8/9/2013 12:37 PM
Acenaphthylene	ND		36	µg/Kg-dry	1	8/9/2013 12:37 PM
Anthracene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	8/9/2013 12:37 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	8/9/2013 12:37 PM
Benzo(b)fluoranthene	ND		22	µg/Kg-dry	1	8/9/2013 12:37 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	8/9/2013 12:37 PM
Benzo(k)fluoranthene	ND		22	µg/Kg-dry	1	8/9/2013 12:37 PM
Chrysene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM
Dibenzo(a,h)anthracene	ND		22	µg/Kg-dry	1	8/9/2013 12:37 PM
Fluoranthene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: South Wall, 7'

Lab ID: 1308304-02

Collection Date: 8/7/2013 02:43 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM
Indeno(1,2,3-cd)pyrene	ND		24	µg/Kg-dry	1	8/9/2013 12:37 PM
Naphthalene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM
Pyrene	ND		18	µg/Kg-dry	1	8/9/2013 12:37 PM
Surr: 2-Fluorobiphenyl	70.7		12-100	%REC	1	8/9/2013 12:37 PM
Surr: 4-Terphenyl-d14	96.9		25-137	%REC	1	8/9/2013 12:37 PM
Surr: Nitrobenzene-d5	70.6		37-107	%REC	1	8/9/2013 12:37 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/8/2013	Analyst: AK
Benzene	ND		36	µg/Kg-dry	1	8/8/2013 01:25 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	8/8/2013 01:25 PM
m,p-Xylene	ND		73	µg/Kg-dry	1	8/8/2013 01:25 PM
o-Xylene	ND		36	µg/Kg-dry	1	8/8/2013 01:25 PM
Toluene	ND		36	µg/Kg-dry	1	8/8/2013 01:25 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/8/2013 01:25 PM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	1	8/8/2013 01:25 PM
Surr: 4-Bromofluorobenzene	99.2		70-130	%REC	1	8/8/2013 01:25 PM
Surr: Dibromofluoromethane	95.7		70-130	%REC	1	8/8/2013 01:25 PM
Surr: Toluene-d8	97.8		70-130	%REC	1	8/8/2013 01:25 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	2.8		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	12		0.61	mg/Kg-dry	1	8/12/2013 05:25 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/9/2013	Analyst: RLF
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	8/12/2013 02:00 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	18		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	8.1			s.u.	1	8/8/2013 04:30 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: East Wall, 6'

Lab ID: 1308304-03

Collection Date: 8/7/2013 02:37 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	18		SW8015M		Prep Date: 8/8/2013	Analyst: RD
			4.7	mg/Kg-dry	1	8/8/2013 10:04 PM
Surr: 4-Terphenyl-d14	64.8		39-115	%REC	1	8/8/2013 10:04 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		SW8015		Prep Date: 8/8/2013	Analyst: RD
			2.8	mg/Kg-dry	1	8/8/2013 02:47 PM
Surr: Toluene-d8	112		50-150	%REC	1	8/8/2013 02:47 PM
MERCURY BY CVAA						
Mercury	0.021		SW7471		Prep Date: 8/8/2013	Analyst: LR
			0.016	mg/Kg-dry	1	8/8/2013 05:00 PM
METALS BY ICP-MS						
Arsenic	8.8		SW6020A		Prep Date: 8/8/2013	Analyst: ML
			1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Barium	300		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Cadmium	ND		0.78	mg/Kg-dry	5	8/9/2013 08:37 AM
Chromium	9.7		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Copper	15		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Lead	12		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Nickel	16		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Selenium	ND		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Silver	ND		1.9	mg/Kg-dry	5	8/9/2013 08:37 AM
Zinc	60		3.9	mg/Kg-dry	5	8/9/2013 08:37 AM
SOLUBLE CATIONS FOR SAR						
Calcium	140		SW6020A		Prep Date: 8/10/2013	Analyst: RH
			10	mg/L	20	8/12/2013 01:47 PM
Magnesium	62		4.0	mg/L	20	8/12/2013 01:47 PM
Sodium	180		4.0	mg/L	20	8/12/2013 01:47 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	3.2		USDA H60 METHO		Prep Date: 8/10/2013	Analyst: RH
			0.010	none	1	8/12/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		SW8270		Prep Date: 8/8/2013	Analyst: HL
			17	µg/Kg-dry	1	8/9/2013 01:08 PM
Acenaphthylene	ND		34	µg/Kg-dry	1	8/9/2013 01:08 PM
Anthracene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM
Benzo(a)anthracene	ND		19	µg/Kg-dry	1	8/9/2013 01:08 PM
Benzo(a)pyrene	ND		19	µg/Kg-dry	1	8/9/2013 01:08 PM
Benzo(b)fluoranthene	ND		20	µg/Kg-dry	1	8/9/2013 01:08 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	8/9/2013 01:08 PM
Benzo(k)fluoranthene	ND		20	µg/Kg-dry	1	8/9/2013 01:08 PM
Chrysene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM
Dibenzo(a,h)anthracene	ND		20	µg/Kg-dry	1	8/9/2013 01:08 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: East Wall, 6'

Lab ID: 1308304-03

Collection Date: 8/7/2013 02:37 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/9/2013 01:08 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM
Pyrene	ND		17	µg/Kg-dry	1	8/9/2013 01:08 PM
Surr: 2-Fluorobiphenyl	75.5		12-100	%REC	1	8/9/2013 01:08 PM
Surr: 4-Terphenyl-d14	98.0		25-137	%REC	1	8/9/2013 01:08 PM
Surr: Nitrobenzene-d5	75.6		37-107	%REC	1	8/9/2013 01:08 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/8/2013	Analyst: AK
Benzene	ND		34	µg/Kg-dry	1	8/8/2013 01:50 PM
Ethylbenzene	ND		34	µg/Kg-dry	1	8/8/2013 01:50 PM
m,p-Xylene	ND		68	µg/Kg-dry	1	8/8/2013 01:50 PM
o-Xylene	ND		34	µg/Kg-dry	1	8/8/2013 01:50 PM
Toluene	ND		34	µg/Kg-dry	1	8/8/2013 01:50 PM
Xylenes, Total	ND		100	µg/Kg-dry	1	8/8/2013 01:50 PM
Surr: 1,2-Dichloroethane-d4	99.2		70-130	%REC	1	8/8/2013 01:50 PM
Surr: 4-Bromofluorobenzene	98.4		70-130	%REC	1	8/8/2013 01:50 PM
Surr: Dibromofluoromethane	96.1		70-130	%REC	1	8/8/2013 01:50 PM
Surr: Toluene-d8	97.2		70-130	%REC	1	8/8/2013 01:50 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	2.2		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	9.7		0.57	mg/Kg-dry	1	8/12/2013 05:25 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/9/2013	Analyst: RLF
Chromium, Hexavalent	ND		0.57	mg/Kg-dry	1	8/12/2013 02:00 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	12		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	8.4			s.u.	1	8/8/2013 04:30 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: West Wall, 6'

Lab ID: 1308304-04

Collection Date: 8/7/2013 02:12 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
DRO (C10-C28)	ND		4.7	mg/Kg-dry	1	8/8/2013 11:04 PM
Surr: 4-Terphenyl-d14	59.3		39-115	%REC	1	8/8/2013 11:04 PM
GASOLINE RANGE ORGANICS BY GC-FID						
GRO (C6-C10)	ND		2.9	mg/Kg-dry	1	8/8/2013 03:39 PM
Surr: Toluene-d8	115		50-150	%REC	1	8/8/2013 03:39 PM
MERCURY BY CVAA						
Mercury	0.017		0.016	mg/Kg-dry	1	8/8/2013 05:09 PM
METALS BY ICP-MS						
Arsenic	9.1		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Barium	180		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Cadmium	ND		0.76	mg/Kg-dry	5	8/9/2013 08:43 AM
Chromium	11		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Copper	17		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Lead	14		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Nickel	18		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Selenium	ND		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Silver	ND		1.9	mg/Kg-dry	5	8/9/2013 08:43 AM
Zinc	64		3.8	mg/Kg-dry	5	8/9/2013 08:43 AM
SOLUBLE CATIONS FOR SAR						
Calcium	390		10	mg/L	20	8/12/2013 02:09 PM
Magnesium	86		4.0	mg/L	20	8/12/2013 02:09 PM
Sodium	260		4.0	mg/L	20	8/12/2013 02:09 PM
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	3.1		0.010	none	1	8/12/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
Acenaphthene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Acenaphthylene	ND		34	µg/Kg-dry	1	8/9/2013 01:39 PM
Anthracene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Benzo(a)anthracene	ND		19	µg/Kg-dry	1	8/9/2013 01:39 PM
Benzo(a)pyrene	ND		19	µg/Kg-dry	1	8/9/2013 01:39 PM
Benzo(b)fluoranthene	ND		20	µg/Kg-dry	1	8/9/2013 01:39 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	8/9/2013 01:39 PM
Benzo(k)fluoranthene	ND		20	µg/Kg-dry	1	8/9/2013 01:39 PM
Chrysene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Dibenzo(a,h)anthracene	ND		20	µg/Kg-dry	1	8/9/2013 01:39 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: West Wall, 6'

Lab ID: 1308304-04

Collection Date: 8/7/2013 02:12 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/9/2013 01:39 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Pyrene	ND		17	µg/Kg-dry	1	8/9/2013 01:39 PM
Surr: 2-Fluorobiphenyl	63.9		12-100	%REC	1	8/9/2013 01:39 PM
Surr: 4-Terphenyl-d14	88.7		25-137	%REC	1	8/9/2013 01:39 PM
Surr: Nitrobenzene-d5	64.4		37-107	%REC	1	8/9/2013 01:39 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/8/2013	Analyst: AK
Benzene	ND		35	µg/Kg-dry	1	8/8/2013 02:14 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	8/8/2013 02:14 PM
m,p-Xylene	ND		69	µg/Kg-dry	1	8/8/2013 02:14 PM
o-Xylene	ND		35	µg/Kg-dry	1	8/8/2013 02:14 PM
Toluene	ND		35	µg/Kg-dry	1	8/8/2013 02:14 PM
Xylenes, Total	ND		100	µg/Kg-dry	1	8/8/2013 02:14 PM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	1	8/8/2013 02:14 PM
Surr: 4-Bromofluorobenzene	99.2		70-130	%REC	1	8/8/2013 02:14 PM
Surr: Dibromofluoromethane	97.6		70-130	%REC	1	8/8/2013 02:14 PM
Surr: Toluene-d8	99.9		70-130	%REC	1	8/8/2013 02:14 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	4.1		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	11		0.58	mg/Kg-dry	1	8/12/2013 05:25 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/9/2013	Analyst: RLF
Chromium, Hexavalent	ND		0.57	mg/Kg-dry	1	8/12/2013 02:00 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	14		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	8.0			s.u.	1	8/8/2013 04:30 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: Footprint, 12'

Lab ID: 1308304-05

Collection Date: 8/7/2013 02:05 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep Date: 8/8/2013	Analyst: RD
DRO (C10-C28)	ND		4.8	mg/Kg-dry	1	8/8/2013 11:34 PM
Surr: 4-Terphenyl-d14	63.6		39-115	%REC	1	8/8/2013 11:34 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015		Prep Date: 8/8/2013	Analyst: RD
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	8/8/2013 04:04 PM
Surr: Toluene-d8	114		50-150	%REC	1	8/8/2013 04:04 PM
MERCURY BY CVAA						
			SW7471		Prep Date: 8/8/2013	Analyst: LR
Mercury	0.020		0.017	mg/Kg-dry	1	8/8/2013 05:11 PM
METALS BY ICP-MS						
			SW6020A		Prep Date: 8/8/2013	Analyst: ML
Arsenic	9.0		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Barium	180		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Cadmium	ND		0.89	mg/Kg-dry	5	8/9/2013 08:49 AM
Chromium	11		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Copper	19		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Lead	15		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Nickel	19		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Selenium	ND		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Silver	ND		2.2	mg/Kg-dry	5	8/9/2013 08:49 AM
Zinc	68		4.5	mg/Kg-dry	5	8/9/2013 08:49 AM
SOLUBLE CATIONS FOR SAR						
			SW6020A		Prep Date: 8/10/2013	Analyst: RH
Calcium	510		10	mg/L	20	8/12/2013 02:14 PM
Magnesium	160		4.0	mg/L	20	8/12/2013 02:14 PM
Sodium	560		4.0	mg/L	20	8/12/2013 02:14 PM
SODIUM ADSORPTION RATIO						
			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: RH
Sodium Adsorption Ratio	5.5		0.010	none	1	8/12/2013
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW8270		Prep Date: 8/8/2013	Analyst: HL
Acenaphthene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Acenaphthylene	ND		35	µg/Kg-dry	1	8/9/2013 02:11 PM
Anthracene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Benzo(a)anthracene	ND		20	µg/Kg-dry	1	8/9/2013 02:11 PM
Benzo(a)pyrene	ND		20	µg/Kg-dry	1	8/9/2013 02:11 PM
Benzo(b)fluoranthene	ND		21	µg/Kg-dry	1	8/9/2013 02:11 PM
Benzo(g,h,i)perylene	ND		32	µg/Kg-dry	1	8/9/2013 02:11 PM
Benzo(k)fluoranthene	ND		21	µg/Kg-dry	1	8/9/2013 02:11 PM
Chrysene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Dibenzo(a,h)anthracene	ND		21	µg/Kg-dry	1	8/9/2013 02:11 PM
Fluoranthene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM

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

ALS Group USA, Corp

Date: 12-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Work Order: 1308304

Sample ID: Footprint, 12'

Lab ID: 1308304-05

Collection Date: 8/7/2013 02:05 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Indeno(1,2,3-cd)pyrene	ND		23	µg/Kg-dry	1	8/9/2013 02:11 PM
Naphthalene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Pyrene	ND		17	µg/Kg-dry	1	8/9/2013 02:11 PM
Surr: 2-Fluorobiphenyl	72.6		12-100	%REC	1	8/9/2013 02:11 PM
Surr: 4-Terphenyl-d14	97.6		25-137	%REC	1	8/9/2013 02:11 PM
Surr: Nitrobenzene-d5	73.1		37-107	%REC	1	8/9/2013 02:11 PM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep Date: 8/8/2013	Analyst: AK
Benzene	ND		36	µg/Kg-dry	1	8/8/2013 02:39 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	8/8/2013 02:39 PM
m,p-Xylene	ND		71	µg/Kg-dry	1	8/8/2013 02:39 PM
o-Xylene	ND		36	µg/Kg-dry	1	8/8/2013 02:39 PM
Toluene	ND		36	µg/Kg-dry	1	8/8/2013 02:39 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	8/8/2013 02:39 PM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	1	8/8/2013 02:39 PM
Surr: 4-Bromofluorobenzene	100		70-130	%REC	1	8/8/2013 02:39 PM
Surr: Dibromofluoromethane	96.9		70-130	%REC	1	8/8/2013 02:39 PM
Surr: Toluene-d8	99.3		70-130	%REC	1	8/8/2013 02:39 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	6.4		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	11		0.59	mg/Kg-dry	1	8/12/2013 05:25 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 8/9/2013	Analyst: RLF
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	8/12/2013 02:00 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	16		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	7.8			s.u.	1	8/8/2013 04:30 PM

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

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1308304

Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

Batch ID: 50383

Instrument ID GC8

Method: SW8015M

MBLK		Sample ID: DBLKS1-50383-50383				Units: mg/Kg		Analysis Date: 8/8/2013 05:33 PM		
Client ID:		Run ID: GC8_130808B				SeqNo: 2409752		Prep Date: 8/8/2013		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								
Surr: 4-Terphenyl-d14	1.198	0	1.667	0	71.9	39-115	0			

MS		Sample ID: 1308278-07A MS				Units: mg/Kg		Analysis Date: 8/8/2013 06:33 PM		
Client ID:		Run ID: GC8_130808B				SeqNo: 2409754		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	463.8	12	469.2	73.52	83.2	49-130	0			
Surr: 4-Terphenyl-d14	3.521	0	4.692	0	75	39-115	0			

MSD		Sample ID: 1308278-07A MSD				Units: mg/Kg		Analysis Date: 8/8/2013 07:03 PM		
Client ID:		Run ID: GC8_130808B				SeqNo: 2409755		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	477.6	12	499.7	73.52	80.9	49-130	463.8	2.93	30	
Surr: 4-Terphenyl-d14	3.545	0	4.997	0	70.9	39-115	3.521	0.665	30	

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50397** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-50397-50397				Units: mg/Kg		Analysis Date: 8/8/2013 04:04 PM		
Client ID:		Run ID: HG1_130808A				SeqNo: 2408138		Prep Date: 8/8/2013		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-50397-50397				Units: mg/Kg		Analysis Date: 8/8/2013 04:06 PM		
Client ID:		Run ID: HG1_130808A				SeqNo: 2408139		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1909 0.020 0.1665 0 115 80-120 0

MS		Sample ID: 1308246-01BMS				Units: mg/Kg		Analysis Date: 8/8/2013 04:44 PM		
Client ID:		Run ID: HG1_130808A				SeqNo: 2408225		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1478 0.014 0.1168 0.02111 108 75-125 0

MSD		Sample ID: 1308246-01BMSD				Units: mg/Kg		Analysis Date: 8/8/2013 04:46 PM		
Client ID:		Run ID: HG1_130808A				SeqNo: 2408226		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1476 0.014 0.1162 0.02111 109 75-125 0.1478 0.149 35

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50400** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-50400-50400				Units: mg/Kg		Analysis Date: 8/9/2013 06:17 AM		
Client ID:		Run ID: ICPMS1_130808A				SeqNo: 2408848		Prep Date: 8/8/2013		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	ND	0.25								
Nickel	ND	0.25								
Selenium	0.0629	0.25								J
Silver	ND	0.25								
Zinc	0.0549	0.50								J

LCS		Sample ID: LCS-50400-50400				Units: mg/Kg		Analysis Date: 8/9/2013 06:24 AM		
Client ID:		Run ID: ICPMS1_130808A				SeqNo: 2408849		Prep Date: 8/8/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.497	0.25	5	0	89.9	80-120	0			
Barium	4.863	0.25	5	0	97.3	80-120	0			
Cadmium	4.823	0.10	5	0	96.5	80-120	0			
Chromium	4.632	0.25	5	0	92.6	80-120	0			
Copper	4.676	0.25	5	0	93.5	80-120	0			
Lead	4.87	0.25	5	0	97.4	80-120	0			
Nickel	4.62	0.25	5	0	92.4	80-120	0			
Selenium	4.498	0.25	5	0	90	80-120	0			
Silver	4.819	0.25	5	0	96.4	80-120	0			
Zinc	4.246	0.50	5	0	84.9	80-120	0			

MS		Sample ID: 1308284-14AMS				Units: mg/Kg		Analysis Date: 8/9/2013 09:08 AM		
Client ID:		Run ID: ICPMS1_130808A				SeqNo: 2408874		Prep Date: 8/8/2013		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.72	1.4	7.123	4.778	83.5	75-125	0			
Barium	36.13	1.4	7.123	28.31	110	75-125	0			
Cadmium	7.162	0.57	7.123	0.4906	93.7	75-125	0			
Chromium	29.72	1.4	7.123	16.98	179	75-125	0			S
Copper	28.46	1.4	7.123	19.04	132	75-125	0			S
Lead	23.97	1.4	7.123	15.72	116	75-125	0			
Nickel	18.81	1.4	7.123	10.65	115	75-125	0			
Selenium	7.387	1.4	7.123	0.6987	93.9	75-125	0			
Silver	7.017	1.4	7.123	0.2119	95.5	75-125	0			
Zinc	85.13	2.8	7.123	64.85	285	75-125	0			SO

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50400** Instrument ID **ICPMS1** Method: **SW6020A**

MSD				Sample ID: 1308284-14AMSD			Units: mg/Kg		Analysis Date: 8/9/2013 09:14 AM		
Client ID:			Run ID: ICPMS1_130808A			SeqNo: 2408875		Prep Date: 8/8/2013		DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	9.694	1.5	7.278	4.778	67.6	75-125	10.72	10.1	25	S	
Barium	33.1	1.5	7.278	28.31	65.8	75-125	36.13	8.74	25	S	
Cadmium	7.578	0.58	7.278	0.4906	97.4	75-125	7.162	5.64	25		
Chromium	23.31	1.5	7.278	16.98	86.9	75-125	29.72	24.2	25		
Copper	26.32	1.5	7.278	19.04	100	75-125	28.46	7.81	25		
Lead	22.29	1.5	7.278	15.72	90.3	75-125	23.97	7.25	25		
Nickel	16.04	1.5	7.278	10.65	74	75-125	18.81	15.9	25	S	
Selenium	7.613	1.5	7.278	0.6987	95	75-125	7.387	3	25		
Silver	7.374	1.5	7.278	0.2119	98.4	75-125	7.017	4.96	25		
Zinc	66.46	2.9	7.278	64.85	22.2	75-125	85.13	24.6	25	SO	

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50406** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1308305-01BDUP				Units: mg/L		Analysis Date: 8/12/2013 02:25 PM		
Client ID:		Run ID: ICPMS2_130812A			SeqNo: 2410945		Prep Date: 8/10/2013		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	165.6	10	0	0	0	0-0	170.2	2.74		
Magnesium	17.18	4.0	0	0	0	0-0	17.29	0.673		
Sodium	8.814	4.0	0	0	0	0-0	9.498	7.47		

The following samples were analyzed in this batch:

1308304-01C	1308304-02C	1308304-03C
1308304-04C	1308304-05C	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50382** Instrument ID **SVMS4** Method: **SW8270**

MBLK Sample ID: SBLKS1-50382-50382				Units: µg/Kg			Analysis Date: 8/9/2013 11:03 AM			
Client ID:		Run ID: SVMS4_130809A		SeqNo: 2409447		Prep Date: 8/8/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30	0	0	0	0-0	0			
Acenaphthylene	ND	30	0	0	0	0-0	0			
Anthracene	ND	30	0	0	0	0-0	0			
Benzo(a)anthracene	ND	30	0	0	0	0-0	0			
Benzo(a)pyrene	ND	30	0	0	0	0-0	0			
Benzo(b)fluoranthene	ND	30	0	0	0	0-0	0			
Benzo(g,h,i)perylene	ND	30	0	0	0	0-0	0			
Benzo(k)fluoranthene	ND	30	0	0	0	0-0	0			
Chrysene	ND	30	0	0	0	0-0	0			
Dibenzo(a,h)anthracene	ND	30	0	0	0	0-0	0			
Fluoranthene	ND	30	0	0	0	0-0	0			
Fluorene	ND	30	0	0	0	0-0	0			
Indeno(1,2,3-cd)pyrene	ND	30	0	0	0	0-0	0			
Naphthalene	ND	30	0	0	0	0-0	0			
Pyrene	ND	30	0	0	0	0-0	0			
Surr: 2-Fluorobiphenyl	1354	0	1667	0	81.2	12-100	0			
Surr: 4-Terphenyl-d14	1802	0	1667	0	108	25-137	0			
Surr: Nitrobenzene-d5	1363	0	1667	0	81.8	37-107	0			

LCS Sample ID: SLCSS1-50382-50382				Units: µg/Kg			Analysis Date: 8/9/2013 09:29 AM			
Client ID:		Run ID: SVMS4_130809A		SeqNo: 2409444		Prep Date: 8/8/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	555.7	30	666.7	0	83.3	45-110	0			
Acenaphthylene	565.7	30	666.7	0	84.8	45-105	0			
Anthracene	639.7	30	666.7	0	95.9	55-105	0			
Benzo(a)anthracene	637	30	666.7	0	95.5	50-110	0			
Benzo(a)pyrene	681.7	30	666.7	0	102	50-110	0			
Benzo(b)fluoranthene	546.7	30	666.7	0	82	45-115	0			
Benzo(g,h,i)perylene	753	30	666.7	0	113	40-125	0			
Benzo(k)fluoranthene	718.7	30	666.7	0	108	45-115	0			
Chrysene	648.3	30	666.7	0	97.2	55-110	0			
Dibenzo(a,h)anthracene	705.3	30	666.7	0	106	40-125	0			
Fluoranthene	634.3	30	666.7	0	95.1	55-115	0			
Fluorene	604.3	30	666.7	0	90.6	50-110	0			
Indeno(1,2,3-cd)pyrene	716.3	30	666.7	0	107	40-120	0			
Naphthalene	534	30	666.7	0	80.1	40-105	0			
Pyrene	656.3	30	666.7	0	98.4	45-125	0			
Surr: 2-Fluorobiphenyl	1205	0	1667	0	72.3	12-100	0			
Surr: 4-Terphenyl-d14	1681	0	1667	0	101	25-137	0			
Surr: Nitrobenzene-d5	1252	0	1667	0	75.1	37-107	0			

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50382** Instrument ID **SVMS4** Method: **SW8270**

MS				Units: µg/Kg			Analysis Date: 8/9/2013 10:00 AM			
Client ID:		Run ID: SVMS4_130809A		SeqNo: 2409445		Prep Date: 8/8/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1727	87	1931	0	89.4	45-110	0			
Acenaphthylene	1721	87	1931	0	89.1	45-105	0			
Anthracene	1855	87	1931	0	96	55-105	0			
Benzo(a)anthracene	1808	87	1931	0	93.6	50-110	0			
Benzo(a)pyrene	1859	87	1931	0	96.2	50-110	0			
Benzo(b)fluoranthene	1751	87	1931	0	90.6	45-115	0			
Benzo(g,h,i)perylene	2047	87	1931	0	106	40-125	0			
Benzo(k)fluoranthene	1941	87	1931	0	100	45-115	0			
Chrysene	1857	87	1931	0	96.1	55-110	0			
Dibenzo(a,h)anthracene	1982	87	1931	0	103	40-125	0			
Fluoranthene	1753	87	1931	0	90.8	55-115	0			
Fluorene	1821	87	1931	0	94.3	50-110	0			
Indeno(1,2,3-cd)pyrene	1990	87	1931	0	103	40-120	0			
Naphthalene	1669	87	1931	0	86.4	40-105	0			
Pyrene	1861	87	1931	0	96.3	45-125	0			
Surr: 2-Fluorobiphenyl	3819	0	4828	0	79.1	12-100	0			
Surr: 4-Terphenyl-d14	4759	0	4828	0	98.6	25-137	0			
Surr: Nitrobenzene-d5	3787	0	4828	0	78.4	37-107	0			

MSD				Units: µg/Kg			Analysis Date: 8/9/2013 10:31 AM			
Client ID:		Run ID: SVMS4_130809A		SeqNo: 2409446		Prep Date: 8/8/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1618	86	1917	0	84.4	45-110	1727	6.56	30	
Acenaphthylene	1629	86	1917	0	85	45-105	1721	5.46	30	
Anthracene	1819	86	1917	0	94.9	55-105	1855	1.95	30	
Benzo(a)anthracene	1772	86	1917	0	92.4	50-110	1808	2.04	30	
Benzo(a)pyrene	1859	86	1917	0	97	50-110	1859	0.0259	30	
Benzo(b)fluoranthene	1739	86	1917	0	90.7	45-115	1751	0.64	30	
Benzo(g,h,i)perylene	1982	86	1917	0	103	40-125	2047	3.23	30	
Benzo(k)fluoranthene	1993	86	1917	0	104	45-115	1941	2.67	30	
Chrysene	1833	86	1917	0	95.6	55-110	1857	1.27	30	
Dibenzo(a,h)anthracene	1971	86	1917	0	103	40-125	1982	0.556	30	
Fluoranthene	1752	86	1917	0	91.4	55-115	1753	0.0917	30	
Fluorene	1713	86	1917	0	89.4	50-110	1821	6.08	30	
Indeno(1,2,3-cd)pyrene	1981	86	1917	0	103	40-120	1990	0.46	30	
Naphthalene	1496	86	1917	0	78	40-105	1669	11	30	
Pyrene	1828	86	1917	0	95.4	45-125	1861	1.74	30	
Surr: 2-Fluorobiphenyl	3543	0	4792	0	73.9	12-100	3819	7.49	40	
Surr: 4-Terphenyl-d14	4726	0	4792	0	98.6	25-137	4759	0.689	40	
Surr: Nitrobenzene-d5	3446	0	4792	0	71.9	37-107	3787	9.42	40	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50382** Instrument ID **SVMS4** Method: **SW8270**

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50396** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: MBLK-50396-50396				Units: µg/Kg			Analysis Date: 8/8/2013 02:17 PM			
Client ID:		Run ID: VMS6_130808A		SeqNo: 2408759		Prep Date: 8/8/2013		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								
Surr: 1,2-Dichloroethane-d4	975.5	0	1000	0	97.6	70-130	0			
Surr: 4-Bromofluorobenzene	923	0	1000	0	92.3	70-130	0			
Surr: Dibromofluoromethane	940	0	1000	0	94	70-130	0			
Surr: Toluene-d8	974	0	1000	0	97.4	70-130	0			

LCS Sample ID: LCS-50396-50396				Units: µg/Kg			Analysis Date: 8/8/2013 12:55 PM			
Client ID:		Run ID: VMS6_130808A		SeqNo: 2408757		Prep Date: 8/8/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1020	30	1000	0	102	75-125	0			
Ethylbenzene	996	30	1000	0	99.6	75-125	0			
m,p-Xylene	2014	60	2000	0	101	80-125	0			
o-Xylene	987.5	30	1000	0	98.8	75-125	0			
Toluene	950	30	1000	0	95	70-125	0			
Xylenes, Total	3002	90	3000	0	100	75-125	0			
Surr: 1,2-Dichloroethane-d4	1049	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	1004	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	1096	0	1000	0	110	70-130	0			
Surr: Toluene-d8	984	0	1000	0	98.4	70-130	0			

MS Sample ID: 1308320-01A MS				Units: µg/Kg			Analysis Date: 8/9/2013 07:52 AM			
Client ID:		Run ID: VMS8_130808B		SeqNo: 2409367		Prep Date: 8/8/2013		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	100200	3,000	100000	0	100	75-125	0			
Ethylbenzene	97750	3,000	100000	0	97.8	75-125	0			
m,p-Xylene	195000	6,000	200000	4400	95.3	80-125	0			
o-Xylene	97250	3,000	100000	0	97.2	75-125	0			
Toluene	100600	3,000	100000	2150	98.4	70-125	0			
Xylenes, Total	292300	9,000	300000	4400	96	75-125	0			
Surr: 1,2-Dichloroethane-d4	100000	0	100000	0	100	70-130	0			
Surr: 4-Bromofluorobenzene	101200	0	100000	0	101	70-130	0			
Surr: Dibromofluoromethane	102000	0	100000	0	102	70-130	0			
Surr: Toluene-d8	101000	0	100000	0	101	70-130	0			

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50396** Instrument ID **VMS6** Method: **SW8260B**

MSD				Sample ID: 1308320-01A MSD			Units: µg/Kg		Analysis Date: 8/9/2013 08:17 AM	
Client ID:				Run ID: VMS8_130808B			SeqNo: 2409368		Prep Date: 8/8/2013	
							DF: 100			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	99900	3,000	100000	0	99.9	75-125	100200	0.25	30	
Ethylbenzene	97000	3,000	100000	0	97	75-125	97750	0.77	30	
m,p-Xylene	192800	6,000	200000	4400	94.2	80-125	195000	1.16	30	
o-Xylene	95950	3,000	100000	0	96	75-125	97250	1.35	30	
Toluene	98750	3,000	100000	2150	96.6	70-125	100600	1.81	30	
Xylenes, Total	288800	9,000	300000	4400	94.8	75-125	292300	1.22	30	
Surr: 1,2-Dichloroethane-d4	99700	0	100000	0	99.7	70-130	100000	0.3	30	
Surr: 4-Bromofluorobenzene	95650	0	100000	0	95.6	70-130	101200	5.64	30	
Surr: Dibromofluoromethane	98900	0	100000	0	98.9	70-130	102000	3.04	30	
Surr: Toluene-d8	98700	0	100000	0	98.7	70-130	101000	2.25	30	

The following samples were analyzed in this batch:

1308304-01A	1308304-02A	1308304-03A
1308304-04A	1308304-05A	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50398** Instrument ID **WETCHEM** Method: **SW9045D**

LCS					Sample ID: LCS-50398-50398					Units: s.u.			Analysis Date: 8/8/2013 04:30 PM			
Client ID:					Run ID: WETCHEM_130808T					SeqNo: 2408252			Prep Date: 8/8/2013		DF: 1	
Analyte					Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH					4.24		0	4.4	0	96.4	90-110	0				

DUP					Sample ID: 1308304-03B DUP			Units: s.u.		Analysis Date: 8/8/2013 04:30 PM		
Client ID: East Wall, 6'				Run ID: WETCHEM_130808T			SeqNo: 2408257		Prep Date: 8/8/2013		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH		8.34	0	0	0	0	0-0	8.38	0.478	20		

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50406** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 1308305-01B DUP				Units: mmhos/cm @25°C		Analysis Date: 8/12/2013 10:00 AM		
Client ID:		Run ID: WETCHEM_130812A				SeqNo: 2410348		Prep Date: 8/10/2013		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.07	0.025	0	0	0		1.16	8.07	50	

The following samples were analyzed in this batch:

1308304-01C	1308304-02C	1308304-03C
1308304-04C	1308304-05C	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **50484** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-50484-50484				Units: mg/Kg		Analysis Date: 8/12/2013 02:00 PM		
Client ID:		Run ID: WETCHEM_130812I				SeqNo: 2411267		Prep Date: 8/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.24	0.50								J

LCS		Sample ID: LCS-50484-50484				Units: mg/Kg		Analysis Date: 8/12/2013 02:00 PM		
Client ID:		Run ID: WETCHEM_130812I				SeqNo: 2411266		Prep Date: 8/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.924	0.50	2	0	96.2	80-120	0			

MS		Sample ID: 1308304-05B MS				Units: mg/Kg		Analysis Date: 8/12/2013 02:00 PM		
Client ID: Footprint, 12'		Run ID: WETCHEM_130812I				SeqNo: 2411264		Prep Date: 8/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.594	0.49	1.969	0.09717	76.1	75-125	0			

MSD		Sample ID: 1308304-05B MSD				Units: mg/Kg		Analysis Date: 8/12/2013 02:00 PM		
Client ID: Footprint, 12'		Run ID: WETCHEM_130812I				SeqNo: 2411265		Prep Date: 8/9/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.394	0.49	1.969	0.09717	65.9	75-125	1.594	13.4	20	S

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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

Client: HRL Compliance Solutions
Work Order: 1308304
Project: Caerus Parachute Creek 4 Tank Removal 8/7/13

QC BATCH REPORT

Batch ID: **R124889** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R124889					Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A					SeqNo: 2409025		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-R124889					Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:			Run ID: MOIST_130808A			SeqNo: 2409021		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: 1308301-01A DUP				Units: % of sample			Analysis Date: 8/8/2013 02:50 PM			
Client ID:				Run ID: MOIST_130808A				SeqNo: 2408988			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				

Moisture 14.03 0.050 0 0 0 0-0 14.23 1.42 20

DUP		Sample ID: 1308320-01B DUP				Units: % of sample		Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A			SeqNo: 2408998		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.86 0.050 0 0 0 0-0 11.58 2.39 20

The following samples were analyzed in this batch:

1308304-01B	1308304-02B	1308304-03B
1308304-04B	1308304-05B	

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



1308304

Form 202r8

PAGE | **1** **of** **1**

DISPOSAL ☒ By Lab or ☐ Return to Client

[illegible]

E-MAIL | ewinters@petd.com

1

RECEIVED BY

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 08-Aug-13 09:45

Work Order: 1308304

Received by: DS

Checklist completed by Diane Shaw 08-Aug-13
eSignature Date

Reviewed by: Ann Preston 09-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"/>	
Temperature(s)/Thermometer(s):	<u>3.2 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>8/8/2013 10:55:01 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:

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

Origin ID: RILA



127 E First Street

PARACHUTE, CO 81635

Ship Date: 07AUG13
ActWgt: 85.0 LB
CAD: 103923490/INET3430

Dims: 25 X 14 X 15 IN

Delivery Address Bar Code



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

BILL RECIPIENT

Ref # 1001-080713-3
Invoice #
PO #
Dept #

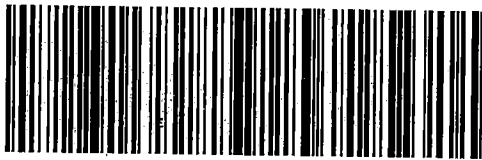
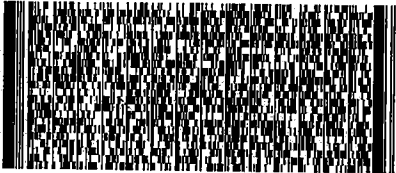
HOLLAND, MI 49424

THU - 08 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7964 1709 2367
0201

XX GRRA

49424
MI-US
GRR



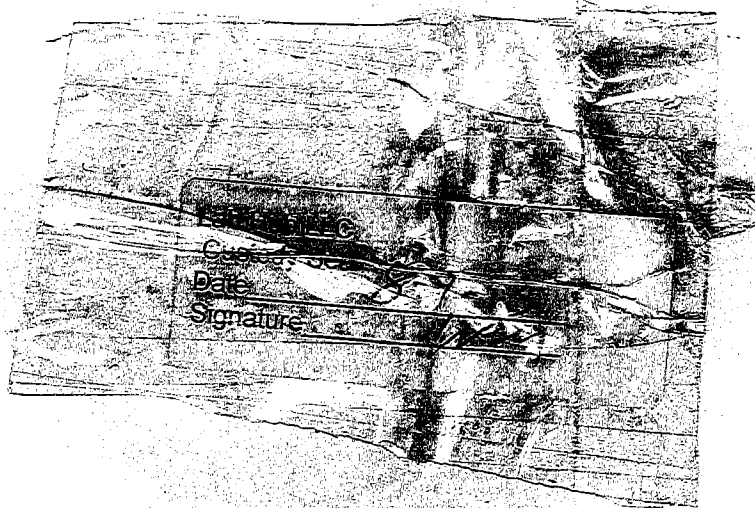
51AG10989/1AGE

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 found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.





15-Aug-2013

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

Re: **Caerus Parachute Creek 4 Background 8/7/13**

Work Order: **1308305**

Dear Herman,

ALS Environmental received 3 samples on 08-Aug-2013 09:45 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 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: MN 532786

Report of Laboratory Analysis

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

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

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Caerus Parachute Creek 4 Background 8/7/13
Work Order: 1308305

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>
1308305-01	BKGD 1	Soil		8/7/2013 11:25	8/8/2013 09:45	<input type="checkbox"/>
1308305-02	BKGD 2	Soil		8/7/2013 11:30	8/8/2013 09:45	<input type="checkbox"/>
1308305-03	BKGD 3	Soil		8/7/2013 11:33	8/8/2013 09:45	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Caerus Parachute Creek 4 Background 8/7/13
WorkOrder: 1308305

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
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: 15-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Background 8/7/13

Sample ID: BKGD 1

Collection Date: 8/7/2013 11:25 AM

Work Order: 1308305

Lab ID: 1308305-01

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 8/12/2013	Analyst: ML
Arsenic	6.9		0.40	mg/Kg-dry	1	8/12/2013 11:42 PM
SOLUBLE CATIONS FOR SAR			SW6020A		Prep Date: 8/10/2013	Analyst: RH
Calcium	170		10	mg/L	20	8/12/2013 02:20 PM
Magnesium	17		4.0	mg/L	20	8/12/2013 02:20 PM
Sodium	9.5		4.0	mg/L	20	8/12/2013 02:20 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: RH
Sodium Adsorption Ratio	0.19		0.010	none	1	8/12/2013
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep Date: 8/10/2013	Analyst: JB
Electrical Conductivity @ Saturation	1.2		0.025	mmhos/cm @25	5	8/12/2013 10:00 AM
MOISTURE			A2540 G			Analyst: BD
Moisture	3.6		0.050	% of sample	1	8/8/2013 02:50 PM
PH			SW9045D		Prep Date: 8/8/2013	Analyst: JB
pH	8.0			s.u.	1	8/8/2013 04:30 PM

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

ALS Group USA, Corp

Date: 15-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Background 8/7/13

Work Order: 1308305

Sample ID: BKGD 2

Lab ID: 1308305-02

Collection Date: 8/7/2013 11:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 8/12/2013	Analyst: ML
Arsenic	11		0.36	mg/Kg-dry	1	8/12/2013 11:48 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	4.4		0.050	% of sample	1	8/8/2013 02:50 PM

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

ALS Group USA, Corp

Date: 15-Aug-13

Client: HRL Compliance Solutions

Project: Caerus Parachute Creek 4 Background 8/7/13

Work Order: 1308305

Sample ID: BKGD 3

Lab ID: 1308305-03

Collection Date: 8/7/2013 11:33 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 8/12/2013	Analyst: ML
Arsenic	4.4		0.32	mg/Kg-dry	1	8/12/2013 11:54 PM
MOISTURE			A2540 G			Analyst: BD
Moisture	2.7		0.050	% of sample	1	8/8/2013 02:50 PM

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

ALS Group USA, Corp

Date: 15-Aug-13

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1308305

Project: Caerus Parachute Creek 4 Background 8/7/13

Batch ID: **50406** Instrument ID **ICPMS2** Method: **SW6020A** **(Dissolve)**

DUP		Sample ID: 1308305-01BDUP				Units: mg/L		Analysis Date: 8/12/2013 02:25 PM		
Client ID: BKGD 1			Run ID: ICPMS2_130812A			SeqNo: 2410945		Prep Date: 8/10/2013		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	165.6	10	0	0	0	0-0	170.2	2.74		
Magnesium	17.18	4.0	0	0	0	0-0	17.29	0.673		
Sodium	8.814	4.0	0	0	0	0-0	9.498	7.47		

The following samples were analyzed in this batch:

1308305-01B

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

Client: HRL Compliance Solutions
Work Order: 1308305
Project: Caerus Parachute Creek 4 Background 8/7/13

QC BATCH REPORT

Batch ID: **50478** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-50478-50478				Units: mg/Kg		Analysis Date: 8/12/2013 11:18 PM		
Client ID:		Run ID: ICPMS1_130812A				SeqNo: 2411511		Prep Date: 8/12/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0377	0.25								J

LCS		Sample ID: LCS-50478-50478				Units: mg/Kg		Analysis Date: 8/12/2013 11:24 PM		
Client ID:		Run ID: ICPMS1_130812A				SeqNo: 2411512		Prep Date: 8/12/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.571	0.25	5	0	91.4	80-120	0			

MS		Sample ID: 1308376-01AMS				Units: mg/Kg		Analysis Date: 8/13/2013 02:34 AM		
Client ID:		Run ID: ICPMS1_130812A				SeqNo: 2411543		Prep Date: 8/12/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.565	0.36	7.225	1.137	89	75-125	0			

MSD		Sample ID: 1308376-01AMSD				Units: mg/Kg		Analysis Date: 8/13/2013 02:40 AM		
Client ID:		Run ID: ICPMS1_130812A				SeqNo: 2411544		Prep Date: 8/12/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.261	0.35	7.022	1.137	87.2	75-125	7.565	4.1	25	

The following samples were analyzed in this batch:

1308305-01A	1308305-02A	1308305-03A
-------------	-------------	-------------

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

Client: HRL Compliance Solutions
Work Order: 1308305
Project: Caerus Parachute Creek 4 Background 8/7/13

QC BATCH REPORT

Batch ID: **50398** Instrument ID **WETCHEM** Method: **SW9045D**

LCS				Sample ID: LCS-50398-50398				Units: s.u.				Analysis Date: 8/8/2013 04:30 PM											
Client ID:				Run ID: WETCHEM_130808T				SeqNo: 2408252				Prep Date: 8/8/2013				DF: 1							
Analyte				Result		PQL		SPK Val		SPK Ref Value		%REC		Control Limit		RPD Ref Value		%RPD		RPD Limit		Qual	
pH				4.24		0		4.4		0		96.4		90-110		0							

DUP				Sample ID: 1308304-03B DUP				Units: s.u.			Analysis Date: 8/8/2013 04:30 PM		
Client ID:				Run ID: WETCHEM_130808T				SeqNo:2408257		Prep Date: 8/8/2013		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
pH		8.34	0	0	0	0	0-0	8.38	0.478	20			

The following samples were analyzed in this batch:

1308305-01A

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

Client: HRL Compliance Solutions
Work Order: 1308305
Project: Caerus Parachute Creek 4 Background 8/7/13

QC BATCH REPORT

Batch ID: **50406** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 1308305-01B DUP				Units: mmhos/cm @25°C		Analysis Date: 8/12/2013 10:00 AM		
Client ID: BKGD 1		Run ID: WETCHEM_130812A				SeqNo: 2410348		Prep Date: 8/10/2013		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.07	0.025	0	0	0		1.16	8.07	50	

The following samples were analyzed in this batch:

1308305-01B

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

Client: HRL Compliance Solutions
Work Order: 1308305
Project: Caerus Parachute Creek 4 Background 8/7/13

QC BATCH REPORT

Batch ID: **R124889** Instrument ID **MOIST** Method: **A2540 G**

MBLK		Sample ID: WBLKS-R124889				Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A				SeqNo: 2409025			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-R124889				Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A				SeqNo: 2409021			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: 1308301-01A DUP				Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A				SeqNo: 2408988			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 14.03 0.050 0 0 0 0-0 14.23 1.42 20

DUP		Sample ID: 1308320-01B DUP				Units: % of sample			Analysis Date: 8/8/2013 02:50 PM		
Client ID:		Run ID: MOIST_130808A				SeqNo: 2408998			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 11.86 0.050 0 0 0 0-0 11.58 2.39 20

The following samples were analyzed in this batch:

1308305-01A	1308305-02A	1308305-03A
-------------	-------------	-------------

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



ALS Laboratory Group

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

Chain-of-Custody

Form 202r8

WORKORDER
#

1308305

CAERUS

PROJECT NAME		SAMPLER		Casey Richardson		DATE		8-7-13		PAGE		1 of 1			
PROJECT No.		SITE ID		PARACHUTE CREEK 4		TURNAROUND		5 DAY		DISPOSAL		By Lab or Return to Client			
BACKGROUND		EDD FORMAT													
COMPANY NAME		PURCHASE ORDER													
HCSI		BILL TO COMPANY		PDC Energy CAERUS											
SEND REPORT TO		INVOICE ATTN TO		Ed Winters											
Herman Lucero		ADDRESS		120 Railroad Ave. Suite D											
ADDRESS		CITY / STATE / ZIP		Parachute, CO 81635											
Grand Junction, CO. 81505		PHONE		970-285-9606											
970-243-3271		FAX													
970-243-3280		E-MAIL		ewinters@petd.com											
hlucero@hrlcomp.com															
Lab ID		Field ID		Matrix		Sample Date		Sample Time		# Bottles		Pres.		QC	
1		BKGD 1		SOIL		8-7-13		1125		2		8		X	
2		BKGD 2		1		1		1130		1		8		X	
3		BKGD 3		1		1		1133		1		8		X	

SAR, EC, PH
ARSENIC

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

For metals or anions, please detail analytes below.

Comments:	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)
	<input type="checkbox"/>	

3.2'c

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

SIGNATURE		PRINTED NAME		DATE		TIME	
RELINQUISHED BY		Casey Richardson		8-7-13		1605	
RECEIVED BY		N.M.		8-7-13		1610	
RELINQUISHED BY		N.M.		8-7-13		1610	
RECEIVED BY		Diane E Shaw		8/8/13		0945	
RELINQUISHED BY							
RECEIVED BY							

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **08-Aug-13 09:45**

Work Order: **1308305**

Received by: **DS**

Checklist completed by *Diane Shaw* 08-Aug-13
eSignature Date

Reviewed by: *Ann Preston* 09-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"/>	
Temperature(s)/Thermometer(s):	<u>3.2 c</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>8/8/2013 10:58:32 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:

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

Origin ID: RILA



127 E First Street

PARACHUTE, CO 81635

Ship Date: 07AUG13
ActWgt: 55.0 LB
CAD: 103923490/NET3430

Dims: 25 X 14 X 15 IN



J13201306280326

SHIP TO: (616) 399-6070

BILL RECIPIENT

Sample receiving
ALS Holland
3352 128TH AVE

HOLLAND, MI 49424

Delivery Address Bar Code



Ref # 1001-080713-3
Invoice #
PO #
Dept #

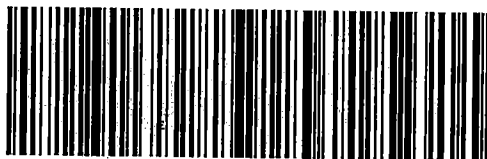
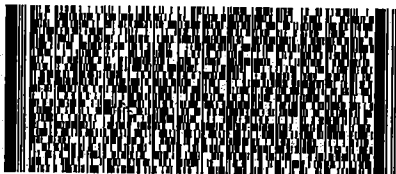
THU - 08 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7964 1709 2367

0201

XX GRRA

49424
MI-US
GRR



51AG10999/1AGE

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 found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

