Savage-67S94W8NWNW (Savage 8D) (Location ID 335006)
Spill/Release Point ID 439840
COGCC Remediation #8806
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 remediation of stockpiled soil removed during excavation activities at the Savage-67S94W8NWNW (Savage 8D) (Location ID 335006) in the Caerus Piceance, LLC (Caerus) area of operations. This remediation was conducted using procedures approved under Colorado Oil and Gas Conservation Commission (COGCC) Remediation #8806.

On November 25, 2014 a composite soil sample was collected from the stockpiled soil (Stockpile-11-25-14). The soil sample was submitted for laboratory analysis of all COGCC Table 910-1 analytes. Analytical results indicate that the soil sample was in compliance with COGCC Table 910-1 Concentration Levels for all analytes or were within the arsenic range allowed by the COGCC (1.25x background concentration), except for the total petroleum hydrocarbon (TPH), sodium adsorption ratio (SAR), and electrical conductivity (EC) measurements. Background samples were collected from an undisturbed area east of the pad surface. Laboratory analytical results are summarized in the attached analytical table. Laboratory analytical reports are included as an attachment.

During the spring of 2015, the stockpiled soil was routinely stirred/agitated in order to help volatize any remaining hydrocarbons. On May 27, 2015, a composite soil sample was collected from the stockpiled soil (Rulison 8D Landfarm). The soil sample was submitted for laboratory analysis of TPH, SAR, and EC. Analytical results indicate that the soil sample was in compliance with COGCC Table 910-1 Concentration Levels for all analytes. Laboratory analytical results are summarized in the attached analytical table. Laboratory analytical reports are included as an attachment.

The remediated soil will be blended into a cut slope in the southeast corner of the pad surface and seeded.

Based on soil analytical results, Caerus requests an NFA designation for this project.

TABLE 1
SAVAGE-67S94W/8NWNW (SAVAGE 8D)
SOIL ANALYTICAL RESULTS
CAERUS OIL AND GAS
PICEANCE BASIN, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	Stockpile-11-25-14	Rulison 8D Landfarm	BKGD 01	BKGD 02	BKGD 03
Sample Date			11/25/2014	5/27/2015	11/21/2014	11/21/2014	11/21/2014
Sample Type			Stockpile	Stockpile	Background	Background	Background
Arsenic	0.39	mg/kg	**5.2**	NA	**4.1**	**4.1**	**4.8**
Barium	15,000	mg/kg	420	NA	NA	NA	NA
Cadmium	70	mg/kg	ND	NA	NA	NA	NA
Chromium (III)	120,000	mg/kg	16	NA	NA	NA	NA
Chromium (VI)	23	mg/kg	ND	NA	NA	NA	NA
Copper	3,100	mg/kg	20	NA	NA	NA	NA
Lead	400	mg/kg	8.9	NA	NA	NA	NA
Mercury	23	mg/kg	ND	NA	NA	NA	NA
Nickel	1,600	mg/kg	33	NA	NA	NA	NA
Selenium	390	mg/kg	0.54	NA	NA	NA	NA
Silver	390	mg/kg	ND	NA	NA	NA	NA
Zinc	23,000	mg/kg	45	NA	NA	NA	NA
EC	4 or 2x background	mmhos/cm	**6.2**	0.96	NA	NA	1.1
pH	6-9	SU	8.6	NA	NA	NA	7.8
SAR	12	unitless	**16**	10	NA	NA	0.11
TPH-GRO			330	31	NA	NA	NA
TPH-DRO			550	130	NA	NA	NA
TPH	500	mg/kg	**880**	161	NA	NA	NA
Benzene	0.17	mg/kg	ND	NA	NA	NA	NA
Toluene	85	mg/kg	0.036	NA	NA	NA	NA
Ethylbenzene	100	mg/kg	ND	NA	NA	NA	NA
Total Xylenes	175	mg/kg	4.9	NA	NA	NA	NA
Acenaphthene	1,000	mg/kg	ND	NA	NA	NA	NA
Anthracene	1,000	mg/kg	ND	NA	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	ND	NA	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	ND	NA	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	ND	NA	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	ND	NA	NA	NA	NA
Chrysene	22	mg/kg	ND	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	ND	NA	NA	NA	NA
Fluoranthene	1,000	mg/kg	ND	NA	NA	NA	NA
Fluorene	1,000	mg/kg	0.042	NA	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	ND	NA	NA	NA	NA
Naphthalene	23	mg/kg	ND	NA	NA	NA	NA
Pyrene	1,000	mg/kg	ND	NA	NA	NA	NA

Notes:
BOLD - 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
NA - not analyzed
ND - less than the stated reporting limit
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

04-Dec-2014

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

Re: **Caerus Savage 8D Release 14-364 11.25.14** Work Order: **14111372**

Dear Casey,

ALS Environmental received 1 sample on 26-Nov-2014 11:15 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 25.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: MN 532786

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

ALS Group USA, Corp

Date: 04-Dec-14

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Release 14-364 11.25.14
Work Order: **14111372**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14111372-01	Stockpile-11-25-14	Soil		11/25/2014 11:35	11/26/2014 11:15	☐

ALS Group USA, Corp

Date: 04-Dec-14

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Release 14-364 11.25.14
Work Order: 14111372

Case Narrative

Batch 65540 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

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

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

Units Reported	Description
% 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: *04-Dec-14*

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Release 14-364 11.25.14 **Work Order:** 14111372
Sample ID: Stockpile-11-25-14 **Lab ID:** 14111372-01
Collection Date: 11/25/2014 11:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 12/1/14	Analyst: **IT**
DRO (C10-C28)	**550**		**4.9**	**mg/Kg-dry**	1	12/2/2014 08:58 PM
Surr: 4-Terphenyl-d14	*97.5*		*39-133*	*%REC*	1	12/2/2014 08:58 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**		Prep: SW5035 / 11/26/14	Analyst: **IT**
GRO (C6-C10)	**330**		**3.0**	**mg/Kg-dry**	1	11/26/2014 05:40 PM
Surr: Toluene-d8	*112*		*50-150*	*%REC*	1	11/26/2014 05:40 PM
MERCURY BY CVAA			**SW7471**		Prep: SW7471 / 12/1/14	Analyst: **LR**
Mercury	ND		0.016	mg/Kg-dry	1	12/1/2014 06:09 PM
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 12/2/14	Analyst: **JEC**
Arsenic	**5.2**		**0.41**	**mg/Kg-dry**	1	12/2/2014 01:42 PM
Barium	**420**		**0.41**	**mg/Kg-dry**	1	12/2/2014 01:42 PM
Cadmium	ND		0.33	mg/Kg-dry	1	12/2/2014 01:42 PM
Chromium	**16**		**0.41**	**mg/Kg-dry**	1	12/2/2014 05:10 PM
Copper	**20**		**0.41**	**mg/Kg-dry**	1	12/2/2014 01:42 PM
Lead	**8.9**		**0.41**	**mg/Kg-dry**	1	12/2/2014 01:42 PM
Nickel	**33**		**0.41**	**mg/Kg-dry**	1	12/2/2014 05:10 PM
Selenium	**0.54**		**0.41**	**mg/Kg-dry**	1	12/3/2014 12:56 PM
Silver	ND		0.41	mg/Kg-dry	1	12/2/2014 05:10 PM
Zinc	**45**		**0.81**	**mg/Kg-dry**	1	12/2/2014 01:42 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 12/1/14	Analyst: **JEC**
Calcium	**97**		**5.0**	**mg/L**	10	12/1/2014 12:46 PM
Magnesium	**73**		**2.0**	**mg/L**	10	12/1/2014 12:46 PM
Sodium	**850**		**2.0**	**mg/L**	10	12/1/2014 12:46 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHOD**		Prep: USDA Method 20B / 12/1/14	Analyst: **JEC**
Sodium Adsorption Ratio	**16**		**0.010**	**none**	1	12/1/2014
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 12/1/14	Analyst: **RM**
Acenaphthene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Acenaphthylene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Anthracene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Benzo(a)anthracene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Benzo(a)pyrene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Benzo(b)fluoranthene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Benzo(g,h,i)perylene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Benzo(k)fluoranthene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Chrysene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM

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

ALS Group USA, Corp

Date: *04-Dec-14*

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Release 14-364 11.25.14 **Work Order:** 14111372
Sample ID: Stockpile-11-25-14 **Lab ID:** 14111372-01
Collection Date: 11/25/2014 11:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Fluoranthene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Fluorene	**42**		**7.8**	**µg/Kg-dry**	1	12/2/2014 10:54 PM
Indeno(1,2,3-cd)pyrene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Naphthalene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Pyrene	ND		7.8	µg/Kg-dry	1	12/2/2014 10:54 PM
Surr: 2-Fluorobiphenyl	*74.3*		*12-100*	*%REC*	1	12/2/2014 10:54 PM
Surr: 4-Terphenyl-d14	*101*		*25-137*	*%REC*	1	12/2/2014 10:54 PM
Surr: Nitrobenzene-d5	*88.4*		*37-107*	*%REC*	1	12/2/2014 10:54 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 11/26/14	Analyst: **AK**
Benzene	ND		35	µg/Kg-dry	1	11/28/2014 11:29 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2014 11:29 PM
m,p-Xylene	**4,000**		**71**	**µg/Kg-dry**	1	11/28/2014 11:29 PM
o-Xylene	**900**		**35**	**µg/Kg-dry**	1	11/28/2014 11:29 PM
Toluene	**36**		**35**	**µg/Kg-dry**	1	11/28/2014 11:29 PM
Xylenes, Total	**4,900**		**110**	**µg/Kg-dry**	1	11/28/2014 11:29 PM
Surr: 1,2-Dichloroethane-d4	*97.6*		*70-130*	*%REC*	1	11/28/2014 11:29 PM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	11/28/2014 11:29 PM
Surr: Dibromofluoromethane	*89.0*		*70-130*	*%REC*	1	11/28/2014 11:29 PM
Surr: Toluene-d8	*102*		*70-130*	*%REC*	1	11/28/2014 11:29 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHOD**		Prep: USDA Method 20B / 12/1/14	Analyst: **JB**
Electrical Conductivity @ Saturation	**6.2**		**0.050**	**mmhos/cm @25**	10	12/1/2014 05:45 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **MB**
Chromium, Trivalent	**16**		**0.59**	**mg/Kg-dry**	1	12/3/2014 04:00 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 12/2/14	Analyst: **MB**
Chromium, Hexavalent	ND		0.59	mg/Kg-dry	1	12/3/2014 02:00 PM
MOISTURE			**A2540 G**			Analyst: **EVB**
Moisture	**15**		**0.050**	**% of sample**	1	12/1/2014 03:00 PM
PH			**SW9045D**		Prep: EXTRACT / 12/1/14	Analyst: **AXL**
pH	**8.6**			**s.u.**	1	12/1/2014

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

ALS Group USA, Corp

Date: 04-Dec-14

Client: HRL Compliance Solutions, Inc

QC BATCH REPORT

Work Order: 14111372

Project: Caerus Savage 8D Release 14-364 11.25.14

Batch ID: **65495** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-65495-65495** Units: **mg/Kg** Analysis Date: **12/2/2014 03:26 PM**

Client ID: Run ID: **GC8_141202A** SeqNo: **3059909** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
Surr: 4-Terphenyl-d14	*1.682*	0	*2*	0	*84.1*	*39-133*	0			

LCS Sample ID: **DLCSS1-65495-65495** Units: **mg/Kg** Analysis Date: **12/2/2014 03:54 PM**

Client ID: Run ID: **GC8_141202A** SeqNo: **3059910** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	214.7	5.0	200	0	107	61-109	0			
Surr: 4-Terphenyl-d14	*1.493*	0	*2*	0	*74.6*	*39-133*	0			

MS Sample ID: **14111437-02B MS** Units: **mg/Kg** Analysis Date: **12/2/2014 04:49 PM**

Client ID: Run ID: **GC8_141202A** SeqNo: **3059911** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	508.8	12	468.1	97.05	87.9	48-110	0			
Surr: 4-Terphenyl-d14	*3.564*	0	*4.681*	0	*76.1*	*39-133*	0			

MSD Sample ID: **14111437-02B MSD** Units: **mg/Kg** Analysis Date: **12/2/2014 05:17 PM**

Client ID: Run ID: **GC8_141202A** SeqNo: **3059913** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	464.7	12	497.3	97.05	73.9	48-110	508.8	9.05	30	
Surr: 4-Terphenyl-d14	*3.554*	0	*4.973*	0	*71.5*	*39-133*	3.564	*0.294*	*30*	

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65469** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-65469-65469** Units: **µg/Kg** Analysis Date: **11/26/2014 04:49 PM**
Client ID: Run ID: **GC9_141126A** SeqNo: **3055881** Prep Date: **11/26/2014** 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								
Surr: Toluene-d8	*6033*	0	*5000*	0	*121*	*50-150*	0			

LCS Sample ID: **LCS-65469-65469** Units: **µg/Kg** Analysis Date: **11/26/2014 03:58 PM**
Client ID: Run ID: **GC9_141126A** SeqNo: **3055880** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	613400	2,500	500000	0	123	70-130	0			
Surr: Toluene-d8	*5262*	0	*5000*	0	*105*	*50-150*	0			

MS Sample ID: **14111373-01A MS** Units: **µg/Kg** Analysis Date: **11/26/2014 06:32 PM**
Client ID: Run ID: **GC9_141126A** SeqNo: **3055885** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	984200	2,500	1000000	0	98.4	70-130	0			
Surr: Toluene-d8	*5842*	0	*5000*	0	*117*	*50-150*	0			

MSD Sample ID: **14111373-01A MSD** Units: **µg/Kg** Analysis Date: **11/26/2014 06:57 PM**
Client ID: Run ID: **GC9_141126A** SeqNo: **3055886** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	966600	2,500	1000000	0	96.7	70-130	984200	1.8	30	
Surr: Toluene-d8	*5516*	0	*5000*	0	*110*	*50-150*	5842	*5.74*	*30*	

The following samples were analyzed in this batch: 14111372-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65518** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-65518-65518** Units: **mg/Kg** Analysis Date: **12/1/2014 04:37 PM**
Client ID: Run ID: **HG1_141201A** SeqNo: **3056503** Prep Date: **12/1/2014** 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-65518-65518** Units: **mg/Kg** Analysis Date: **12/1/2014 04:39 PM**
Client ID: Run ID: **HG1_141201A** SeqNo: **3056504** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1726	0.020	0.1665	0	104	80-120	0			

MS Sample ID: **14111222-01BMS** Units: **mg/Kg** Analysis Date: **12/1/2014 05:19 PM**
Client ID: Run ID: **HG1_141201A** SeqNo: **3056529** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1097	0.012	0.1024	-0.001103	108	75-125	0			

MSD Sample ID: **14111222-01BMSD** Units: **mg/Kg** Analysis Date: **12/1/2014 05:21 PM**
Client ID: Run ID: **HG1_141201A** SeqNo: **3056530** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1067	0.012	0.1001	-0.001103	108	75-125	0.1097	2.84	35	

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65474** Instrument ID **ICP2** Method: **SW846 6010C**

DUP Sample ID: **14111373-01CDUP** Units: **mg/L** Analysis Date: **12/1/2014 12:58 PM**
Client ID: Run ID: **ICP2_141201A** SeqNo: **3056158** Prep Date: **12/1/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	330.6	5.0	0	0	0	0-0	290.5	12.9		
Magnesium	26.84	2.0	0	0	0	0-0	24.19	10.4		
Sodium	1544	2.0	0	0	0	0-0	1632	5.53		

DUP Sample ID: **14111373-01CDUP** Units: **none** Analysis Date: **12/1/2014**
Client ID: Run ID: **SAR_141201A** SeqNo: **3056168** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	21.96	0.010	0	0	0		24.73	11.8	50	

The following samples were analyzed in this batch: 14111372-01C

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK Sample ID: **MBLK-65540-65540** Units: **mg/Kg** Analysis Date: **12/2/2014 01:31 PM**
Client ID: Run ID: **ICP2_141202A** SeqNo: **3059163** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.50								
Copper	ND	0.50								
Lead	ND	0.25								
Selenium	ND	0.50								
Zinc	0.08061	0.50								J

MBLK Sample ID: **MBLK-65540-65540** Units: **mg/Kg** Analysis Date: **12/2/2014 04:59 PM**
Client ID: Run ID: **ICP2_141202B** SeqNo: **3059478** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.50								
Chromium	ND	0.25								
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.07924	0.50								J

LCS Sample ID: **LCS-65540-65540** Units: **mg/Kg** Analysis Date: **12/2/2014 01:37 PM**
Client ID: Run ID: **ICP2_141202A** SeqNo: **3059165** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.583	0.25	5	0	91.7	80-120	0			
Barium	4.565	0.25	5	0	91.3	80-120	0			
Cadmium	4.484	0.50	5	0	89.7	80-120	0			
Copper	4.812	0.50	5	0	96.2	80-120	0			
Lead	4.807	0.25	5	0	96.1	80-120	0			
Selenium	4.714	0.50	5	0	94.3	80-120	0			
Zinc	4.699	0.50	5	0	94	80-120	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

LCS Sample ID: **LCS-65540-65540** Units: **mg/Kg** Analysis Date: **12/2/2014 05:05 PM**
Client ID: Run ID: **ICP2_141202B** SeqNo: **3059479** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.611	0.25	5	0	92.2	80-120	0			
Barium	4.497	0.25	5	0	89.9	80-120	0			
Cadmium	4.458	0.50	5	0	89.2	80-120	0			
Chromium	4.727	0.25	5	0	94.5	80-120	0			
Copper	4.754	0.50	5	0	95.1	80-120	0			
Lead	4.778	0.25	5	0	95.6	80-120	0			
Nickel	4.678	0.25	5	0	93.6	80-120	0			
Selenium	4.782	0.50	5	0	95.6	80-120	0			
Silver	4.92	0.25	5	0	98.4	80-120	0			
Zinc	4.764	0.50	5	0	95.3	80-120	0			

MS Sample ID: **14111373-01BMS** Units: **mg/Kg** Analysis Date: **12/2/2014 01:54 PM**
Client ID: Run ID: **ICP2_141202A** SeqNo: **3059171** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.99	0.32	6.427	4.726	97.5	75-125	0			
Barium	4564	0.32	6.427	4418	2270	75-125	0			SEO
Cadmium	6.327	0.64	6.427	-0.07035	99.5	75-125	0			
Copper	27.49	0.64	6.427	16.73	167	75-125	0			S
Lead	18.2	0.32	6.427	11.93	97.5	75-125	0			
Selenium	7.569	0.64	6.427	1.037	102	75-125	0			
Zinc	66.35	0.64	6.427	49.95	255	75-125	0			SO

MS Sample ID: **14111373-01BMS** Units: **mg/Kg** Analysis Date: **12/2/2014 05:22 PM**
Client ID: Run ID: **ICP2_141202B** SeqNo: **3059482** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	16.14	0.32	6.427	8.355	121	75-125	0			
Nickel	16.16	0.32	6.427	9.434	105	75-125	0			
Silver	7.233	0.32	6.427	0.009352	112	75-125	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65540** Instrument ID **ICP2** Method: **SW846 6010C**

MSD Sample ID: **14111373-01BMSD** Units: **mg/Kg** Analysis Date: **12/2/2014 02:00 PM**
Client ID: Run ID: **ICP2_141202A** SeqNo: **3059172** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.63	0.32	6.386	4.726	108	75-125	10.99	5.67	20	
Barium	3850	0.32	6.386	4418	-8900	75-125	4564	17	20	SEO
Cadmium	6.249	0.64	6.386	-0.07035	99	75-125	6.327	1.24	20	
Copper	23.72	0.64	6.386	16.73	109	75-125	27.49	14.7	20	
Lead	17.6	0.32	6.386	11.93	88.8	75-125	18.2	3.32	20	
Selenium	7.495	0.64	6.386	1.037	101	75-125	7.569	0.979	20	
Zinc	62.03	0.64	6.386	49.95	189	75-125	66.35	6.74	20	SO

MSD Sample ID: **14111373-01BMSD** Units: **mg/Kg** Analysis Date: **12/2/2014 05:27 PM**
Client ID: Run ID: **ICP2_141202B** SeqNo: **3059483** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	15.18	0.32	6.386	8.355	107	75-125	16.14	6.14	20	
Nickel	16.2	0.32	6.386	9.434	106	75-125	16.16	0.265	20	
Silver	7.227	0.32	6.386	0.009352	113	75-125	7.233	0.0901	20	

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-65494-65494** Units: **µg/Kg** Analysis Date: **12/2/2014 05:18 PM**
Client ID: Run ID: **SVMS8_141202A** SeqNo: **3060337** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Acenaphthylene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(g,h,i)perylene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
Surr: 2-Fluorobiphenyl	*1453*	0	*1667*	0	*87.2*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1985*	0	*1667*	0	*119*	*25-137*	0			
Surr: Nitrobenzene-d5	*1513*	0	*1667*	0	*90.8*	*37-107*	0			

LCS Sample ID: **SLCSS1-65494-65494** Units: **µg/Kg** Analysis Date: **12/2/2014 05:39 PM**
Client ID: Run ID: **SVMS8_141202A** SeqNo: **3060339** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	583.7	6.7	666.7	0	87.5	45-110	0			
Acenaphthylene	596.3	6.7	666.7	0	89.4	45-105	0			
Anthracene	673.7	6.7	666.7	0	101	55-105	0			
Benzo(a)anthracene	705	6.7	666.7	0	106	50-110	0			
Benzo(a)pyrene	661	6.7	666.7	0	99.1	50-110	0			
Benzo(b)fluoranthene	680.3	6.7	666.7	0	102	45-115	0			
Benzo(g,h,i)perylene	748.7	6.7	666.7	0	112	40-125	0			
Benzo(k)fluoranthene	673.7	6.7	666.7	0	101	45-115	0			
Chrysene	665	6.7	666.7	0	99.7	55-110	0			
Dibenzo(a,h)anthracene	713	6.7	666.7	0	107	40-125	0			
Fluoranthene	660	6.7	666.7	0	99	55-115	0			
Fluorene	578	6.7	666.7	0	86.7	50-110	0			
Indeno(1,2,3-cd)pyrene	729.7	6.7	666.7	0	109	40-120	0			
Naphthalene	548	6.7	666.7	0	82.2	40-105	0			
Pyrene	803	6.7	666.7	0	120	45-125	0			
Surr: 2-Fluorobiphenyl	*1344*	0	*1667*	0	*80.7*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1887*	0	*1667*	0	*113*	*25-137*	0			
Surr: Nitrobenzene-d5	*1447*	0	*1667*	0	*86.8*	*37-107*	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

MS Sample ID: **14111418-06B MS** Units: **µg/Kg** Analysis Date: **12/2/2014 09:53 PM**
Client ID: Run ID: **SVMS8_141202A** SeqNo: **3060342** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1076	13	1273	0	84.5	45-110	0			
Acenaphthylene	1061	13	1273	0	83.3	45-105	0			
Anthracene	1263	13	1273	0	99.2	55-105	0			
Benzo(a)anthracene	1320	13	1273	0	104	50-110	0			
Benzo(a)pyrene	1288	13	1273	0	101	50-110	0			
Benzo(b)fluoranthene	1281	13	1273	0	101	45-115	0			
Benzo(g,h,i)perylene	1387	13	1273	0	109	40-125	0			
Benzo(k)fluoranthene	1282	13	1273	0	101	45-115	0			
Chrysene	1235	13	1273	0	97	55-110	0			
Dibenzo(a,h)anthracene	1288	13	1273	0	101	40-125	0			
Fluoranthene	1226	13	1273	0	96.3	55-115	0			
Fluorene	1047	13	1273	0	82.2	50-110	0			
Indeno(1,2,3-cd)pyrene	1343	13	1273	0	105	40-120	0			
Naphthalene	891.7	13	1273	0	70	40-105	0			
Pyrene	1533	13	1273	0	120	45-125	0			
Surr: 2-Fluorobiphenyl	*2293*	0	*3182*	0	*72*	*12-100*	0			
Surr: 4-Terphenyl-d14	*3513*	0	*3182*	0	*110*	*25-137*	0			
Surr: Nitrobenzene-d5	*2363*	0	*3182*	0	*74.3*	*37-107*	0			

MSD Sample ID: **14111418-06B MSD** Units: **µg/Kg** Analysis Date: **12/2/2014 10:14 PM**
Client ID: Run ID: **SVMS8_141202A** SeqNo: **3060343** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1171	13	1329	0	88.1	45-110	1076	8.47	30	
Acenaphthylene	1179	13	1329	0	88.7	45-105	1061	10.5	30	
Anthracene	1318	13	1329	0	99.2	55-105	1263	4.3	30	
Benzo(a)anthracene	1408	13	1329	0	106	50-110	1320	6.45	30	
Benzo(a)pyrene	1336	13	1329	0	100	50-110	1288	3.61	30	
Benzo(b)fluoranthene	1381	13	1329	0	104	45-115	1281	7.53	30	
Benzo(g,h,i)perylene	1480	13	1329	0	111	40-125	1387	6.48	30	
Benzo(k)fluoranthene	1356	13	1329	0	102	45-115	1282	5.59	30	
Chrysene	1328	13	1329	0	99.9	55-110	1235	7.25	30	
Dibenzo(a,h)anthracene	1429	13	1329	0	107	40-125	1288	10.3	30	
Fluoranthene	1330	13	1329	0	100	55-115	1226	8.12	30	
Fluorene	1114	13	1329	0	83.8	50-110	1047	6.23	30	
Indeno(1,2,3-cd)pyrene	1485	13	1329	0	112	40-120	1343	10.1	30	
Naphthalene	1100	13	1329	0	82.7	40-105	891.7	20.9	30	
Pyrene	1549	13	1329	0	117	45-125	1533	1.05	30	
Surr: 2-Fluorobiphenyl	*2714*	0	*3322*	0	*81.7*	*12-100*	2293	*16.8*	*40*	
Surr: 4-Terphenyl-d14	*3734*	0	*3322*	0	*112*	*25-137*	3513	*6.08*	*40*	
Surr: Nitrobenzene-d5	*2863*	0	*3322*	0	*86.2*	*37-107*	2363	*19.1*	*40*	

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65494** Instrument ID **SVMS8** Method: **SW846 8270D**

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65468** Instrument ID **VMS8** Method: **SW8260B**

MBLK Sample ID: **MBLK-65468-65468** Units: **µg/Kg** Analysis Date: **11/26/2014 02:14 PM**
Client ID: Run ID: **VMS8_141126A** SeqNo: **3055228** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1034*	0	*1000*	0	*103*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*974.5*	0	*1000*	0	*97.4*	*70-130*	0			
Surr: Dibromofluoromethane	*953.5*	0	*1000*	0	*95.4*	*70-130*	0			
Surr: Toluene-d8	*988*	0	*1000*	0	*98.8*	*70-130*	0			

LCS Sample ID: **LCS-65468-65468** Units: **µg/Kg** Analysis Date: **11/26/2014 12:36 PM**
Client ID: Run ID: **VMS8_141126A** SeqNo: **3055227** Prep Date: **11/26/2014** 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	995	30	1000	0	99.5	75-125	0			
m,p-Xylene	1848	60	2000	0	92.4	80-125	0			
o-Xylene	911.5	30	1000	0	91.2	75-125	0			
Toluene	978.5	30	1000	0	97.8	70-125	0			
Xylenes, Total	2760	90	3000	0	92	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1030*	0	*1000*	0	*103*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1009*	0	*1000*	0	*101*	*70-130*	0			
Surr: Dibromofluoromethane	*986*	0	*1000*	0	*98.6*	*70-130*	0			
Surr: Toluene-d8	*1011*	0	*1000*	0	*101*	*70-130*	0			

MS Sample ID: **14111373-01A MS** Units: **µg/Kg** Analysis Date: **11/29/2014 02:06 AM**
Client ID: Run ID: **VMS9_141128B** SeqNo: **3055306** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1160	30	1000	0	116	75-125	0			
Ethylbenzene	1171	30	1000	0	117	75-125	0			
m,p-Xylene	2336	60	2000	85	113	80-125	0			
o-Xylene	1166	30	1000	19	115	75-125	0			
Toluene	1183	30	1000	63	112	70-125	0			
Xylenes, Total	3502	90	3000	104	113	75-125	0			
Surr: 1,2-Dichloroethane-d4	*963.5*	0	*1000*	0	*96.4*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1020*	0	*1000*	0	*102*	*70-130*	0			
Surr: Dibromofluoromethane	*969*	0	*1000*	0	*96.9*	*70-130*	0			
Surr: Toluene-d8	*1016*	0	*1000*	0	*102*	*70-130*	0			

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65468** Instrument ID **VMS8** Method: **SW8260B**

MSD Sample ID: **14111373-01A MSD** Units: **µg/Kg** Analysis Date: **11/29/2014 02:32 AM**
Client ID: Run ID: **VMS9_141128B** SeqNo: **3055307** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1138	30	1000	0	114	75-125	1160	1.91	30	
Ethylbenzene	1160	30	1000	0	116	75-125	1171	0.901	30	
m,p-Xylene	2305	60	2000	85	111	80-125	2336	1.31	30	
o-Xylene	1150	30	1000	19	113	75-125	1166	1.34	30	
Toluene	1165	30	1000	63	110	70-125	1183	1.53	30	
Xylenes, Total	3456	90	3000	104	112	75-125	3502	1.32	30	
Surr: 1,2-Dichloroethane-d4	*963.5*	0	*1000*	0	*96.4*	*70-130*	963.5	*0*	*30*	
Surr: 4-Bromofluorobenzene	*1024*	0	*1000*	0	*102*	*70-130*	1020	*0.392*	*30*	
Surr: Dibromofluoromethane	*967.5*	0	*1000*	0	*96.8*	*70-130*	969	*0.155*	*30*	
Surr: Toluene-d8	*1016*	0	*1000*	0	*102*	*70-130*	1016	*0*	*30*	

The following samples were analyzed in this batch: 14111372-01A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65474** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP Sample ID: **14111373-01C DUP** Units: **mmhos/cm @25°C** Analysis Date: **12/1/2014 05:45 PM**

Client ID: Run ID: **WETCHEM_141201P** SeqNo: **3056538** Prep Date: **12/1/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	9.83	0.050	0	0	0		9.72	1.13	50	

The following samples were analyzed in this batch: 14111372-01C

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65527** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-65527-65527** Units: **s.u.** Analysis Date: **12/1/2014**
Client ID: Run ID: **WETCHEM_141201B** SeqNo: **3056194** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.9	0	4	0	97.5	90-110	0			

DUP Sample ID: **14111372-01B dup** Units: **s.u.** Analysis Date: **12/1/2014**
Client ID: **Stockpile-11-25-14** Run ID: **WETCHEM_141201B** SeqNo: **3056196** Prep Date: **12/1/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.64	0	0	0	0	0-0	8.63	0.116	20	

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **65600** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-65600-65600** Units: **mg/Kg** Analysis Date: **12/3/2014 02:00 PM**
Client ID: Run ID: **WETCHEM_141203K** SeqNo: **3060285** Prep Date: **12/2/2014** 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-65600-65600** Units: **mg/Kg** Analysis Date: **12/3/2014 02:00 PM**
Client ID: Run ID: **WETCHEM_141203K** SeqNo: **3060284** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.072	0.50	2	0	104	80-120	0			

MS Sample ID: **14111372-01B MS** Units: **mg/Kg** Analysis Date: **12/3/2014 02:00 PM**
Client ID: **Stockpile-11-25-14** Run ID: **WETCHEM_141203K** SeqNo: **3060273** Prep Date: **12/2/2014** 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	0.016	85.2	75-125	0			

MS Sample ID: **14111372-01B MSI** Units: **mg/Kg** Analysis Date: **12/3/2014 02:00 PM**
Client ID: **Stockpile-11-25-14** Run ID: **WETCHEM_141203K** SeqNo: **3060275** Prep Date: **12/2/2014** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1091	50	1064	0.016	103	75-125	0			

MSD Sample ID: **14111372-01B MSD** Units: **mg/Kg** Analysis Date: **12/3/2014 02:00 PM**
Client ID: **Stockpile-11-25-14** Run ID: **WETCHEM_141203K** SeqNo: **3060274** Prep Date: **12/2/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.62	0.50	2	0.016	80.2	75-125	1.72	5.99	20	

The following samples were analyzed in this batch: 14111372-01B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111372
Project: Caerus Savage 8D Release 14-364 11.25.14

QC BATCH REPORT

Batch ID: **R153498** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R153498** Units: **% of sample** Analysis Date: **12/1/2014 03:00 PM**
Client ID: Run ID: **MOIST_141201B** SeqNo: **3058625** 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-R153498** Units: **% of sample** Analysis Date: **12/1/2014 03:00 PM**
Client ID: Run ID: **MOIST_141201B** SeqNo: **3058624** 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: **14111372-01B DUP** Units: **% of sample** Analysis Date: **12/1/2014 03:00 PM**
Client ID: **Stockpile-11-25-14** Run ID: **MOIST_141201B** SeqNo: **3058603** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	15.82	0.050	0	0	0	0-0	15.37	2.89	20	

The following samples were analyzed in this batch: 14111372-01B

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

ALS Laboratory Group

3352 128th Ave. Holland, MI 49424
TF: (800) 443-1511 PH: (616) 399-6070 FX: (616) 399-6185

Chain-of-Custody

Form 202rll

WORKORDER # 14111372

		SAMPLER	Mathew Fought	DATE	11/25/14	PAGE	1 of 1
PROJECT NAME	Caerus Savage 8D Release	SITE ID	Stockpile	TURNAROUND	STANDARD	DISPOSAL	(By Lab) or Return to Client
PROJECT No.	14-364	EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	HCSI	BILL TO COMPANY	Caerus Piceance LLC				
SEND REPORT TO	Casey Richardson	INVOICE ATTN TO					
ADDRESS	2385 F 1/2 Road	ADDRESS	120 Railroad Ave. Suite D				
CITY / STATE / ZIP	Grand Junction, CO. 81505	CITY / STATE / ZIP	Parachute, CO 81635				
PHONE	970-243-3271	PHONE	970-285-9606				
FAX	970-243-3280	FAX					
E-MAIL	crichardson@hrlcomp.com	E-MAIL					

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	GRO, BTEX	DRO, PAH, Metals (810.1)	SAR, EC, pH
1	Stockpile - 11-25-14	S	11/25/14	11:35	3	8		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:	QC PACKAGE (check below)	
Complete 8260-1	x	LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
3.0°C		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	Mathew Fought	MATHEW FOUGHT	11/25/14	12:20
RECEIVED BY			11-25-14	1720
RELINQUISHED BY			11-25-14	1235
RECEIVED BY		Diane F Shu	11/26/14	1115
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **26-Nov-14 11:15**

Work Order: **14111372** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 26-Nov-14 (Date) Reviewed by: Ann Preston (eSignature) 04-Dec-14 (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 ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.0 c		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/26/2014 12:37:30 PM		
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:

From: (818) 399-0870
Nick Martinez
ALS Environmental
127 E. 1st Street

PARACHUTE, CO 81635

Origin ID: RILA

Ship Date: 25NOV14
ActWgt: 53.8 LB
CAD: 2264848/INET3550

Dims: 24 X 15 X 15 IN

Delivery Address Bar Code

Ref # 112514-1
Invoice #
PO #
Dept #

Parachute

SHIP TO: (616) 399-6070

BILL SENDER

sample receiving
ALS Laboratory Group
3352 128TH AVE

HOLLAND, MI 49424

1 of 3

TRK# 7719 9799 4751

0201

WED - 26 NOV 10:30A
PRIORITY OVERNIGHT

MASTER

XX HLMA

49424
MI-US
GRR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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ALS Parachute Custody Seal
DATE 11-25-14 Time 1730
Name

05-Jun-2015

Jake Janicek
Caerus Oil and Gas LLC
120 N. Railroad Ave. Suite D
Parachute, CO 81635

Re: **Rulison 8D** Work Order: **15051636**

Dear Jake,

ALS Environmental received 1 sample on 29-May-2015 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 13.

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

Sincerely,

Electronically approved by: Les Arnold

Les Arnold
Senior Project Manager

Certificate No: MN 532786

Report of Laboratory Analysis

ALS Group USA, Corp

Date: 05-Jun-15

Client: Caerus Oil and Gas LLC
Project: Rulison 8D
Work Order: **15051636**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
15051636-01	Rulison 8D Landfarm	Soil		5/27/2015 14:49	5/29/2015 10:00	☐

Client: Caerus Oil and Gas LLC
Project: Rulison 8D
WorkOrder: **15051636**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte 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
X	Analyte was detected in the Method Blank between the MDL and PQL, sample results may exhibit background or reagent contamination at the observed level.

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

Units Reported	Description
% 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	

ALS Group USA, Corp

Date: 05-Jun-15

Client: Caerus Oil and Gas LLC
Project: Rulison 8D
Work Order: 15051636

Case Narrative

Batch 71745, Method DRO_8015_S, Sample 15051636-01B: Surrogate out low due to matrix interference.

.

ALS Group USA, Corp

Date: *05-Jun-15*

Client: Caerus Oil and Gas LLC
Project: Rulison 8D
Sample ID: Rulison 8D Landfarm
Collection Date: 5/27/2015 02:49 PM

Work Order: 15051636
Lab ID: 15051636-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **6/2/2015**	Analyst: **IT**
DRO (C10-C28)	**130**		**5.1**	**mg/Kg-dry**	1	6/2/2015 09:21 PM
Surr: 4-Terphenyl-d14	*33.1*	S	*39-133*	*%REC*	1	6/2/2015 09:21 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep Date: **6/1/2015**	Analyst: **IT**
GRO (C6-C10)	**31,000**		**3,100**	**µg/Kg-dry**	1	6/1/2015 11:43 PM
Surr: Toluene-d8	*114*		*50-150*	*%REC*	1	6/1/2015 11:43 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep Date: **6/3/2015**	Analyst: **JEC**
Calcium	**17**		**5.0**	**mg/L**	10	6/3/2015 06:04 PM
Magnesium	**5.7**		**2.0**	**mg/L**	10	6/3/2015 06:04 PM
Sodium	**190**		**2.0**	**mg/L**	10	6/3/2015 06:04 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep Date: **6/3/2015**	Analyst: **JEC**
Sodium Adsorption Ratio	**10**		**0.010**	**none**	1	6/3/2015
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep Date: **6/3/2015**	Analyst: **JB**
Electrical Conductivity @ Saturation	**0.96**		**0.050**	**mmhos/cm @2**	10	6/4/2015 04:15 PM
MOISTURE			**E160.3M**			Analyst: **EVB**
Moisture	**19**		**0.050**	**% of sample**	1	6/3/2015 04:15 PM

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

Client: Caerus Oil and Gas LLC
Work Order: 15051636
Project: Rulison 8D

QC BATCH REPORT

Batch ID: **71745** Instrument ID **GC8** Method: **SW8015M**

MBLK	Sample ID: **DBLKS1-71745-71745**			Units: **mg/Kg**			Analysis Date: **6/2/2015 05:22 PM**			
Client ID:	Run ID: **GC8_150602B**			SeqNo: **3304750**		Prep Date: **6/2/2015**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
Surr: 4-Terphenyl-d14	*1.56*	0	*2*	0	*78*	*39-133*	0			

LCS	Sample ID: **DLCSS1-71745-71745**			Units: **mg/Kg**			Analysis Date: **6/2/2015 05:52 PM**			
Client ID:	Run ID: **GC8_150602B**			SeqNo: **3304751**		Prep Date: **6/2/2015**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	142.5	5.0	200	0	71.2	61-109	0			
Surr: 4-Terphenyl-d14	*1.194*	0	*2*	0	*59.7*	*39-133*	0			

MS	Sample ID: **1506014-05A MS**			Units: **mg/Kg**			Analysis Date: **6/2/2015 06:22 PM**			
Client ID:	Run ID: **GC8_150602B**			SeqNo: **3304752**		Prep Date: **6/2/2015**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	264.9	8.1	322.7	51.26	66.2	48-110	0			
Surr: 4-Terphenyl-d14	*2.115*	0	*3.227*	0	*65.5*	*39-133*	0			

MSD	Sample ID: **1506014-05A MSD**			Units: **mg/Kg**			Analysis Date: **6/2/2015 06:52 PM**			
Client ID:	Run ID: **GC8_150602B**			SeqNo: **3304753**		Prep Date: **6/2/2015**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	281.8	8.0	318.7	51.26	72.4	48-110	264.9	6.19	30	
Surr: 4-Terphenyl-d14	*2.127*	0	*3.187*	0	*66.8*	*39-133*	2.115	*0.574*	*30*	

The following samples were analyzed in this batch: 15051636-01B

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

Client: Caerus Oil and Gas LLC
Work Order: 15051636
Project: Rulison 8D

QC BATCH REPORT

Batch ID: **71702** Instrument ID **GC9** Method: **SW8015D**

MBLK Sample ID: **MBLK-71702-71702** Units: **µg/Kg** Analysis Date: **6/1/2015 11:14 AM**
Client ID: Run ID: **GC9_150601A** SeqNo: **3299868** Prep Date: **6/1/2015** 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								
Surr: Toluene-d8	*5472*	0	*5000*	0	*109*	*50-150*	0			

LCS Sample ID: **LCS-71702-71702** Units: **µg/Kg** Analysis Date: **6/1/2015 10:50 AM**
Client ID: Run ID: **GC9_150601A** SeqNo: **3299867** Prep Date: **6/1/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	507600	2,500	500000	0	102	70-130	0			
Surr: Toluene-d8	*4445*	0	*5000*	0	*88.9*	*50-150*	0			

MS Sample ID: **15051675-05A MS** Units: **µg/Kg** Analysis Date: **6/1/2015 08:25 PM**
Client ID: Run ID: **GC9_150601A** SeqNo: **3301399** Prep Date: **6/1/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	556600	2,500	500000	0	111	70-130	0			
Surr: Toluene-d8	*5719*	0	*5000*	0	*114*	*50-150*	0			

MSD Sample ID: **15051675-05A MSD** Units: **µg/Kg** Analysis Date: **6/1/2015 08:50 PM**
Client ID: Run ID: **GC9_150601A** SeqNo: **3301400** Prep Date: **6/1/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	542000	2,500	500000	0	108	70-130	556600	2.66	30	
Surr: Toluene-d8	*5954*	0	*5000*	0	*119*	*50-150*	5719	*4.02*	*30*	

The following samples were analyzed in this batch: 15051636-01A

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

Client: Caerus Oil and Gas LLC
Work Order: 15051636
Project: Rulison 8D

QC BATCH REPORT

Batch ID: **71725** Instrument ID **ICP2** Method: **SW846 6010C**

DUP Sample ID: **1506014-05BDUP** Units: **mg/L** Analysis Date: **6/3/2015 06:38 PM**
Client ID: Run ID: **ICP2_150603A** SeqNo: **3305461** Prep Date: **6/3/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	93.04	5.0	0	0	0	0-0	98.16	5.36		
Magnesium	44.48	2.0	0	0	0	0-0	47.92	7.44		
Sodium	297.1	2.0	0	0	0	0-0	307.6	3.48		

DUP Sample ID: **1506014-05BDUP** Units: **none** Analysis Date: **6/3/2015**
Client ID: Run ID: **SAR_150603A** SeqNo: **3306123** Prep Date: **6/3/2015** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	6.342	0.010	0	0	0		6.363	0.336	50	

The following samples were analyzed in this batch: 15051636-01B

Batch ID: **71725** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **1506014-05B DUP** Units: **mmhos/cm @25°** Analysis Date: **6/4/2015 04:15 PM**
Client ID: Run ID: **WETCHEM_150604E** SeqNo: **3306875** Prep Date: **6/3/2015** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	2.6	0.050	0	0	0		2.79	7.05	50	

The following samples were analyzed in this batch: 15051636-01B

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

Client: Caerus Oil and Gas LLC
Work Order: 15051636
Project: Rulison 8D

QC BATCH REPORT

Batch ID: **R164771** Instrument ID **MOIST** Method: **E160.3M**

MBLK Sample ID: **WBLKS-R164771** Units: **% of sample** Analysis Date: **6/3/2015 04:15 PM**
Client ID: Run ID: **MOIST_150603B** SeqNo: **3306545** 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-R164771** Units: **% of sample** Analysis Date: **6/3/2015 04:15 PM**
Client ID: Run ID: **MOIST_150603B** SeqNo: **3306543** 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: **15051636-01B DUP** Units: **% of sample** Analysis Date: **6/3/2015 04:15 PM**
Client ID: **Rulison 8D Landfarm** Run ID: **MOIST_150603B** SeqNo: **3306501** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.19	0.050	0	0	0		19.41	6.49	20	

DUP Sample ID: **1506071-01A DUP** Units: **% of sample** Analysis Date: **6/3/2015 04:15 PM**
Client ID: Run ID: **MOIST_150603B** SeqNo: **3306534** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	20.78	0.050	0	0	0		20.13	3.18	20	

The following samples were analyzed in this batch: 15051636-01B

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

ALS Environmental

3325 128th Avenue
Holland Michigan 49424 (616) 399-6070

Chain-of-Custody

Form 202r9

WORKORDER # 1505 1636

PAGE 1 of 1

DISPOSAL By Lab or Return to Cller

PROJECT NAME	Rulison 8D	SAMPLER	Jake Janicek
PROJECT No.		SITE ID	
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	Caerus Piceance, LLC	BILL TO COMPANY	Caerus Piceance, LLC
SEND REPORT TO	Jake Janicek	INVOICE ATTN TO	Jake Janicek
ADDRESS	120 N. Railroad, suite D	ADDRESS	120 N. Railroad, suite D
CITY / STATE / ZIP	Parachute Co. 81635	CITY / STATE / ZIP	Parachute Co. 81635
PHONE	970-285-9606	PHONE	970-285-9606
FAX		FAX	
E-MAIL	jjanicek@caerusoilandgas.com	E-MAIL	invoices@caerusoilandgas.com

DATE 5-27-15

TURNAROUND 5 DAY STD

	Sample Description	Sample Date	Sample Time	Matrix	# Bottles	Pres.	TPH GRO/DRO	BTEX	Table 910 PAH's	Table 910 Metals	EC	PH	SAR
1	Rulison 8D Landfarm	5-27-15	1449	soil	2	-	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.

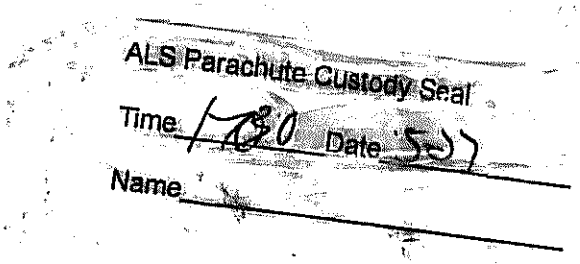
Comments: 4.6°C

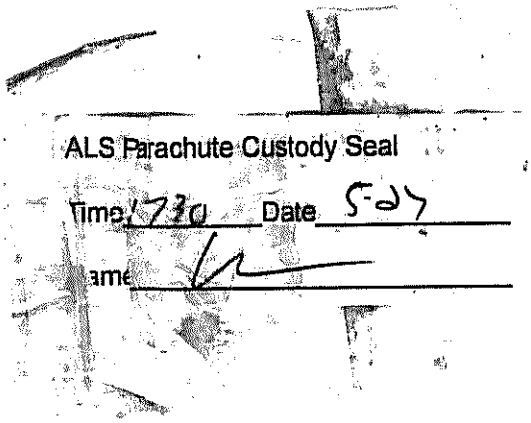
QC PACKAGE (check below)

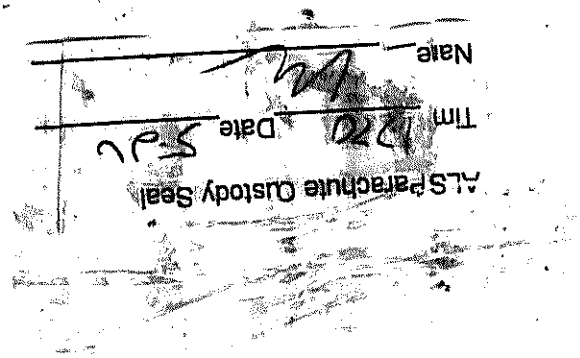
- X LEVEL II (Standard QC)
- LEVEL III (Std QC + forms)
- LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Jake Janicek	5-27-15	1545
RECEIVED BY		N. Martinez	5-27-15	1546
RELINQUISHED BY		N. Martinez	5-27-15	1600
RECEIVED BY		Diane F. Shea	5/28/15	1000
RELINQUISHED BY				
RECEIVED BY				


ALS Parachute Custody Seal
Time 1430 Date 5-27
Name


ALS Parachute Custody Seal
Time 1730 Date 5-27
ame


ALS Parachute Custody Seal
Tim 1320 Date 5-27
Nale

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **CAERUS** Date/Time Received: **29-May-15 10:00**

Work Order: **15051636** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 29-May-15 (Date) Reviewed by: Lee Arnold (eSignature) 30-May-15 (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 ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.6 c	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	5/29/2015 2:24:17 PM		
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:

26-Nov-2014

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

Re: **Caerus Savage 8D Background 11.21.14** Work Order: **14111199**

Dear Mark,

ALS Environmental received 3 samples on 22-Nov-2014 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 15.

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

Sincerely,

Ann Preston

Electronically approved by: Joseph Ribar

Ann Preston
Project Manager

Certificate No: MN 532786

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

ALS Group USA, Corp

Date: 26-Nov-14

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Background 11.21.14
Work Order: **14111199**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14111199-01	BKGD 01	Soil		11/21/2014 10:47	11/22/2014 10:00	☐
14111199-02	BKGD 02	Soil		11/21/2014 10:50	11/22/2014 10:00	☐
14111199-03	BKGD 03	Soil		11/21/2014 10:55	11/22/2014 10:00	☐

ALS Group USA, Corp

Date: *26-Nov-14*

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Background 11.21.14 **Work Order:** 14111199
Sample ID: BKGD 01 **Lab ID:** 14111199-01
Collection Date: 11/21/2014 10:47 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 11/24/14	Analyst: **JEC**
Arsenic	**4.1**		**0.41**	**mg/Kg-dry**	1	11/24/2014 12:24 PM
MOISTURE			**A2540 G**			Analyst: **EVB**
Moisture	**7.6**		**0.050**	**% of sample**	1	11/24/2014 09:45 AM

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

ALS Group USA, Corp

Date: *26-Nov-14*

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Background 11.21.14 **Work Order:** 14111199
Sample ID: BKGD 02 **Lab ID:** 14111199-02
Collection Date: 11/21/2014 10:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 11/24/14	Analyst: **JEC**
Arsenic	**4.1**		**0.42**	**mg/Kg-dry**	1	11/24/2014 12:29 PM
MOISTURE			**A2540 G**			Analyst: **EVB**
Moisture	**17**		**0.050**	**% of sample**	1	11/24/2014 09:45 AM

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

ALS Group USA, Corp

Date: *26-Nov-14*

Client: HRL Compliance Solutions, Inc
Project: Caerus Savage 8D Background 11.21.14
Work Order: 14111199
Sample ID: BKGD 03
Lab ID: 14111199-03
Collection Date: 11/21/2014 10:55 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 11/24/14	Analyst: **JEC**
Arsenic	**4.8**		**0.46**	**mg/Kg-dry**	1	11/24/2014 12:35 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 11/26/14	Analyst: **JEC**
Calcium	**170**		**5.0**	**mg/L**	10	11/26/2014 12:01 PM
Magnesium	**31**		**2.0**	**mg/L**	10	11/26/2014 12:01 PM
Sodium	**6.1**		**2.0**	**mg/L**	10	11/26/2014 12:01 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 11/26/14	Analyst: **JEC**
Sodium Adsorption Ratio	**0.11**		**0.010**	**none**	1	11/26/2014
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 11/26/14	Analyst: **JB**
Electrical Conductivity @ Saturation	**1.1**		**0.050**	**mmhos/cm @2**	10	11/26/2014 11:45 AM
MOISTURE			**A2540 G**			Analyst: **EVB**
Moisture	**14**		**0.050**	**% of sample**	1	11/24/2014 09:45 AM
PH			**SW9045D**		Prep: EXTRACT / 11/24/14	Analyst: **STP**
pH	**7.8**			**s.u.**	1	11/24/2014 02:15 PM

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

ALS Group USA, Corp

Date: 26-Nov-14

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

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

Units Reported	Description
% 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

QC BATCH REPORT

Batch ID: **65366** Instrument ID **ICP2** Method: **SW846 6010C**

DUP Sample ID: **14111151-01BDUP** Units: **mg/L** Analysis Date: **11/26/2014 11:55 A**

Client ID: Run ID: **ICP2_141126A** SeqNo: **3054414** Prep Date: **11/26/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	265.1	5.0	0	0	0	0-0	290.8	9.25		
Magnesium	81.39	2.0	0	0	0	0-0	88.69	8.58		
Sodium	124.4	2.0	0	0	0	0-0	138.1	10.4		

DUP Sample ID: **14111151-01BDUP** Units: **none** Analysis Date: **11/26/2014**

Client ID: Run ID: **SAR_141126A** SeqNo: **3054437** Prep Date: **11/26/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	1.714	0.010	0	0	0		1.819	5.94	50	

The following samples were analyzed in this batch: 14111199-03B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111199
Project: Caerus Savage 8D Background 11.21.14

QC BATCH REPORT

Batch ID: **65367** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK Sample ID: **MBLK-65367-65367** Units: **mg/Kg** Analysis Date: **11/24/2014 11:51 A**
Client ID: Run ID: **ICP2_141124A** SeqNo: **3050136** Prep Date: **11/24/2014** DF: **1**

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

MBLK Sample ID: **MBLK-65367-65367** Units: **mg/Kg** Analysis Date: **11/25/2014 03:48 PM**
Client ID: Run ID: **ICP2_141125A** SeqNo: **3053809** Prep Date: **11/24/2014** DF: **1**

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

LCS Sample ID: **LCS-65367-65367** Units: **mg/Kg** Analysis Date: **11/24/2014 12:00 PM**
Client ID: Run ID: **ICP2_141124A** SeqNo: **3050137** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.688	0.25	5	0	93.8	80-120	0			

LCS Sample ID: **LCS-65367-65367** Units: **mg/Kg** Analysis Date: **11/25/2014 03:53 PM**
Client ID: Run ID: **ICP2_141125A** SeqNo: **3053810** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.645	0.25	5	0	92.9	80-120	0			

MS Sample ID: **14111151-01AMS** Units: **mg/Kg** Analysis Date: **11/24/2014 12:46 PM**
Client ID: Run ID: **ICP2_141124A** SeqNo: **3050623** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	18.35	0.36	7.215	9.563	122	75-125	0			

MSD Sample ID: **14111151-01AMSD** Units: **mg/Kg** Analysis Date: **11/24/2014 01:26 PM**
Client ID: Run ID: **ICP2_141124A** SeqNo: **3050637** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	17.83	0.36	7.236	9.563	114	75-125	18.35	2.86	20	

The following samples were analyzed in this batch:

14111199-01A	14111199-02A	14111199-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111199
Project: Caerus Savage 8D Background 11.21.14

QC BATCH REPORT

Batch ID: **65366** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **14111151-01B DUP** Units: **mmhos/cm @25°** Analysis Date: **11/26/2014 11:45 A**

Client ID: Run ID: **WETCHEM_141126F** SeqNo: **3054303** Prep Date: **11/26/2014** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	3.12	0.050	0	0	0		3.01	3.59	50	

The following samples were analyzed in this batch: 14111199-03B

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111199
Project: Caerus Savage 8D Background 11.21.14

QC BATCH REPORT

Batch ID: **65386** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-R153135-65386** Units: **s.u.** Analysis Date: **11/24/2014 02:15 PM**
Client ID: Run ID: **WETCHEM_141124I** SeqNo: **3051066** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4	0	4	0	100	90-110	0			

DUP Sample ID: **14111073-01A DUP** Units: **s.u.** Analysis Date: **11/24/2014 02:15 PM**
Client ID: Run ID: **WETCHEM_141124I** SeqNo: **3051068** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	10.2	0	0	0	0	0-0	10.31	1.07	20	

DUP Sample ID: **14111146-01B DUP** Units: **s.u.** Analysis Date: **11/24/2014 02:15 PM**
Client ID: Run ID: **WETCHEM_141124I** SeqNo: **3051078** Prep Date: **11/24/2014** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.88	0	0	0	0	0-0	7.93	0.633	20	

The following samples were analyzed in this batch: 14111199-03A

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

Client: HRL Compliance Solutions, Inc
Work Order: 14111199
Project: Caerus Savage 8D Background 11.21.14

QC BATCH REPORT

Batch ID: **R153148** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS-R153148** Units: **% of sample** Analysis Date: **11/24/2014 09:45 A**
Client ID: Run ID: **MOIST_141124A** SeqNo: **3051514** 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-R153148** Units: **% of sample** Analysis Date: **11/24/2014 09:45 A**
Client ID: Run ID: **MOIST_141124A** SeqNo: **3051512** 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: **14111100-01B DUP** Units: **% of sample** Analysis Date: **11/24/2014 09:45 A**
Client ID: Run ID: **MOIST_141124A** SeqNo: **3051497** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.89	0.050	0	0	0	0-0	3.9	0.257	20	

The following samples were analyzed in this batch:

14111199-01A	14111199-02A	14111199-03A

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

ALS Laboratory Group

3352 128th Ave. Holland, MI 49424
TF: (800) 443-1511 PH: (616) 399-6070 FX: (616) 399-6185

Chain-of-Custody

Form 202r8

WORKORDER # 1411199

PAGE 1 of 1

DISPOSAL ~~Dispose~~ or Return to Client

PROJECT NAME	CAERUS SAVAGE 8D	SAMPLER	CASEY RICHARDSON
PROJECT No.	BACKGROUND	SITE ID	BACKGROUNDS
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	HCSI	BILL TO COMPANY	Caerus Piceance LLC
END REPORT TO	Casey Richardson	INVOICE ATTN TO	JAKE JANICEK
ADDRESS	2385 F 1/2 Road	ADDRESS	120 Railroad Ave. Suite D
ITY / STATE / ZIP	Grand Junction, CO. 81505	CITY / STATE / ZIP	Parachute, CO 81635
PHONE	970-243-3271	PHONE	970-285-9606
FAX	970-243-3280	FAX	
E-MAIL	crichardson@hricomp.com	E-MAIL	jjanicek@caerusoilandgas.com

DATE 11-21-14 ck

TURNAROUND ~~5 DAY~~ 24 HR

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	ARSENIC	SAR	EC	pH
1	BKGD 01	SOIL	11-21-14	1047	1	8		X			
2	BKGD 02	1	1	1050	1	1		X			
3	BKGD 03	1	1	1055	2	1		X	X	X	X

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

r metals or anions, please detail analytes below.

mments:

3.4°C

QC PACKAGE (check below)	
x	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

servative 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	11-21-14	1140
RECEIVED BY			11-21-14	1445
RELINQUISHED BY			11/21/14	1700
RECEIVED BY		KEITH WEREN	11/22/14	1000
RELINQUISHED BY				
RECEIVED BY				

From: (616) 399-6070
Nick Martinez
ALS Environmental
127 E. 1st Street

PARACHUTE, CO 81635

Origin ID: RILA

FedEx Express

J14221609230Jw

Ship Date: 21NOV14
ActWgt: 58.0 LB
CAD: 2284840/INET3550

Dims: 24 X 15 X 15 IN

Delivery Address Bar Code

Ref # 112114-1
Invoice #
PO # Parachute
Dept #

SHIP TO: (616) 399-6070

BILL SENDER

sample receiving
ALS Laboratory Group
3352 128TH AVE

HOLLAND, MI 49424

1 of 2

TRK# 7719 5652 1870

0201

MASTER

X0 HLMA

SATURDAY 12:00P
PRIORITY OVERNIGHT

49424
MI-US
GRR

522G1618GCBAC9

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

Custody Seal
Time 1730
DATE 11-21-14
Name

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **22-Nov-14 10:00**

Work Order: **14111199** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 22-Nov-14 (Date) Reviewed by: Joseph Ribar (eSignature) 24-Nov-14 (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 ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.4 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/22/2014 11:54:00 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: