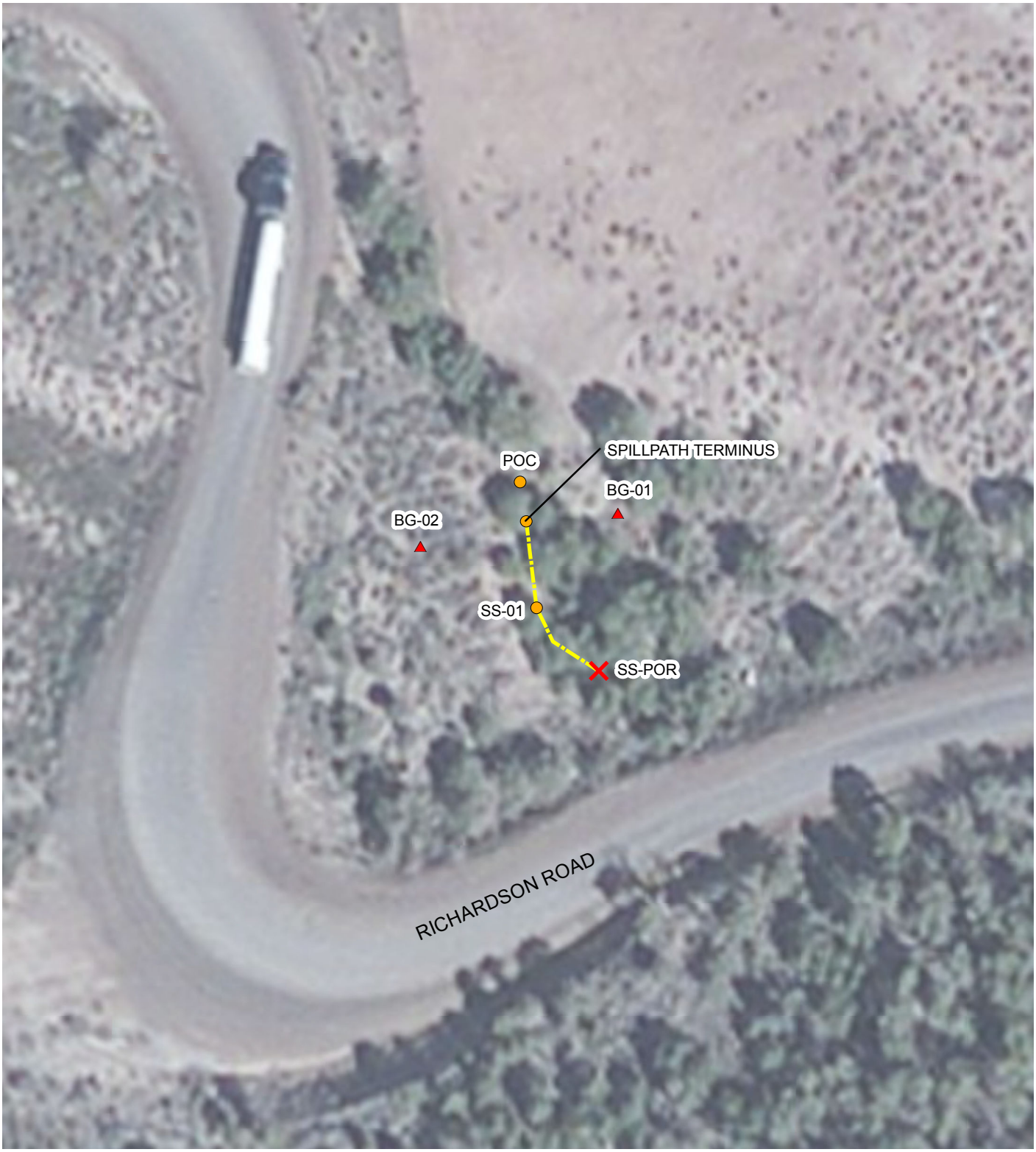

LEGEND

- SOIL SAMPLE
- RELEASE
- BACKGROUND SOIL SAMPLE
- RELEASE PATH

IMAGE COURTESY OF ESRI

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Feet

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FIGURE 1
SITE MAP
HIGH MESA ROAD RELEASE
NWNE SEC 35-T7S-R96W
GARFIELD COUNTY, COLORADO
CAERUS OIL AND GAS, LLC

P:\Caerus Oil & Gas\GIS\MXD\050816009_HIGH_MESA_ROAD_RELEASE\050816009_FIG01_SITE_.mxd

TABLE 1
HIGH MESA ROAD RELEASE
SOIL ANALYTICAL RESULTS
CAERUS OIL AND GAS
PICEANCE BASIN, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	SS-POR (6")	SS-01 (6")	Spillpath Terminus (6")	POC (6")	BG-01 (6")	BG-02 (6")
Sample Date			3/11/2016	3/11/2016	3/11/2016	3/11/2016	3/11/2016	3/11/2016
Sample Type			Confirmation	Confirmation	Confirmation	Confirmation	Background	Background
Arsenic	0.39	mg/kg	10	6.4	6.6	NA	8.3	8.4
Barium	15,000	mg/kg	200	310	150	NA	NA	NA
Cadmium	70	mg/kg	ND	ND	ND	NA	NA	NA
Chromium (III)	120,000	mg/kg	13	9.5	11	NA	NA	NA
Chromium (VI)	23	mg/kg	ND	ND	ND	NA	NA	NA
Copper	3,100	mg/kg	12	9.2	8.4	NA	NA	NA
Lead	400	mg/kg	6.5	7.4	6.4	NA	NA	NA
Mercury	23	mg/kg	ND	ND	ND	NA	NA	NA
Nickel	1,600	mg/kg	13	9.3	11	NA	NA	NA
Selenium	390	mg/kg	ND	ND	ND	NA	NA	NA
Silver	390	mg/kg	ND	ND	ND	NA	NA	NA
Zinc	23,000	mg/kg	62	56	42	NA	NA	NA
EC	4 or 2x background	mmhos/cm	1.3	1.5	0.81	NA	NA	NA
pH	6-9	SU	8.4	8.3	8.4	NA	NA	NA
SAR	12	unitless	7.4	7.3	0.87	NA	NA	NA
TPH-GRO			ND	25	ND	NA	NA	NA
TPH-DRO			180	380	61	NA	NA	NA
TPH	500	mg/kg	180	405	61	NA	NA	NA
Benzene	0.17	mg/kg	ND	ND	ND	NA	NA	NA
Toluene	85	mg/kg	ND	0.190	ND	NA	NA	NA
Ethylbenzene	100	mg/kg	ND	ND	ND	NA	NA	NA
Total Xylenes	175	mg/kg	0.120	0.560	ND	NA	NA	NA
Acenaphthene	1,000	mg/kg	ND	ND	ND	NA	NA	NA
Anthracene	1,000	mg/kg	ND	ND	ND	NA	NA	NA
Benz(a)anthracene	0.22	mg/kg	ND	ND	ND	NA	NA	NA
Benzo(b)fluoranthene	0.22	mg/kg	ND	ND	ND	NA	NA	NA
Benzo(k)fluoranthene	2.2	mg/kg	ND	ND	ND	NA	NA	NA
Benzo(a)pyrene	0.022	mg/kg	ND	ND	ND	NA	NA	NA
Chrysene	22	mg/kg	ND	ND	ND	NA	NA	NA
Dibenzo(a,h)anthracene	0.022	mg/kg	ND	ND	ND	NA	NA	NA
Fluoranthene	1,000	mg/kg	ND	ND	ND	NA	NA	NA
Fluorene	1,000	mg/kg	ND	ND	ND	NA	NA	NA
Indeno(1,2,3,c,d)pyrene	0.22	mg/kg	ND	ND	ND	NA	NA	NA
Naphthalene	23	mg/kg	0.036	0.017	ND	NA	NA	NA
Pyrene	1,000	mg/kg	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
NA - not analyzed
ND - non-detect
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

21-Mar-2016

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

Re: **High Mesa Road Release** Work Order: **1603709**

Dear Jake,

ALS Environmental received 6 samples on 12-Mar-2016 02:20 PM 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 29.

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

Sincerely,

Chad Whelton

Electronically approved by: Chad Whelton

Chad Whelton
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: 21-Mar-16

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: **1603709**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1603709-01	SS-POR (6")	Soil	6"	3/11/2016 11:15	3/12/2016 14:20	☐
1603709-02	SS-01 (6")	Soil	6"	3/11/2016 11:25	3/12/2016 14:20	☐
1603709-03	Spillpath Terminus (6")	Soil	6"	3/11/2016 11:30	3/12/2016 14:20	☐
1603709-04	POC (6")	Soil	6"	3/11/2016 11:40	3/12/2016 14:20	☐
1603709-05	BG-01 (6")	Soil	6"	3/11/2016 11:45	3/12/2016 14:20	☐
1603709-06	BG-02 (6")	Soil	6"	3/11/2016 11:55	3/12/2016 14:20	☐

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709

Case Narrative

Batch 83552, Method ICP_6010_S, Sample 1603709-05A MS/MSD: The MS and MSD recoveries were outside of the control limits for Barium and Zinc; however, the results in the parent sample are greater than 4x the spike amount. No qualification is required.

Batch 83552, Method ICP_6010_S, Sample 1603709-05A MS/MSD: The MS and MSD recovery was below the lower control limit for Nickel. The corresponding result in the parent sample may be biased low.

Batch 83552, Method ICP_6010_S, Sample 1603709-05A MS: The MS recovery was outside of the control limit for Lead. However, the MSD recovery and the RPD between the MS and MSD were in control. No qualification is required.

Batch 83614, Method CR6_7196_S, Sample 1603709-03B MS and MSD: The MS and MSD recovery was below the lower control limit for Hexavalent Chromium. The corresponding result in the parent sample may be biased low.

ALS Group USA, Corp

Date: 21-Mar-16

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	
s.u.	Standard Units

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: SS-POR (6")
Lab ID: 1603709-01
Collection Date: 3/11/2016 11:15 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 3/15/16	Analyst: **IT**
DRO (C10-C28)	**180**		**4.8**	**mg/Kg-dry**	1	3/16/2016 09:01 PM
Surr: 4-Terphenyl-d14	*101*		*39-133*	*%REC*	1	3/16/2016 09:01 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 / 3/14/16	Analyst: **IT**
GRO (C6-C10)	ND		3,300	µg/Kg-dry	1	3/16/2016 06:51 PM
Surr: Toluene-d8	*91.7*		*50-150*	*%REC*	1	3/16/2016 06:51 PM
MERCURY BY CVAA			**SW7471B**		Prep: SW7471 / 3/17/16	Analyst: **LR**
Mercury	ND		0.017	mg/Kg-dry	1	3/17/2016 03:51 PM
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 3/15/16	Analyst: **BL**
Arsenic	**10**		**0.44**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Barium	**200**		**0.44**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Cadmium	ND		0.88	mg/Kg-dry	1	3/15/2016 09:29 PM
Chromium	**13**		**0.44**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Copper	**12**		**0.88**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Lead	**6.5**		**0.44**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Nickel	**13**		**0.44**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
Selenium	ND		0.88	mg/Kg-dry	1	3/15/2016 09:29 PM
Silver	ND		0.44	mg/Kg-dry	1	3/15/2016 09:29 PM
Zinc	**62**		**0.88**	**mg/Kg-dry**	1	3/15/2016 09:29 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Calcium	**36**		**20**	**mg/L**	40	3/17/2016 06:08 PM
Magnesium	**24**		**8.0**	**mg/L**	40	3/17/2016 06:08 PM
Sodium	**230**		**8.0**	**mg/L**	40	3/17/2016 06:08 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Sodium Adsorption Ratio	**7.4**		**0.010**	**none**	1	3/17/2016
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 3/16/16	Analyst: **RS**
Acenaphthene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Anthracene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Benzo(a)anthracene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Benzo(a)pyrene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Benzo(b)fluoranthene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Benzo(k)fluoranthene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Chrysene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Dibenzo(a,h)anthracene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Fluoranthene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM

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

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: SS-POR (6")
Lab ID: 1603709-01
Collection Date: 3/11/2016 11:15 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Indeno(1,2,3-cd)pyrene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Naphthalene	**0.036**		**0.0077**	**mg/Kg-dry**	1	3/17/2016 12:29 AM
Pyrene	ND		0.0077	mg/Kg-dry	1	3/17/2016 12:29 AM
Surr: 2-Fluorobiphenyl	*78.1*		*12-100*	*%REC*	1	3/17/2016 12:29 AM
Surr: 4-Terphenyl-d14	*80.7*		*25-137*	*%REC*	1	3/17/2016 12:29 AM
Surr: Nitrobenzene-d5	*80.2*		*37-107*	*%REC*	1	3/17/2016 12:29 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 3/14/16	Analyst: **LSY**
Benzene	ND		40	µg/Kg-dry	1	3/16/2016 01:51 AM
Ethylbenzene	ND		40	µg/Kg-dry	1	3/16/2016 01:51 AM
m,p-Xylene	**100**		**80**	**µg/Kg-dry**	1	3/16/2016 01:51 AM
o-Xylene	ND		40	µg/Kg-dry	1	3/16/2016 01:51 AM
Toluene	ND		40	µg/Kg-dry	1	3/16/2016 01:51 AM
Xylenes, Total	**120**		**120**	**µg/Kg-dry**	1	3/16/2016 01:51 AM
Surr: 1,2-Dichloroethane-d4	*110*		*70-130*	*%REC*	1	3/16/2016 01:51 AM
Surr: 4-Bromofluorobenzene	*110*		*70-130*	*%REC*	1	3/16/2016 01:51 AM
Surr: Dibromofluoromethane	*94.6*		*70-130*	*%REC*	1	3/16/2016 01:51 AM
Surr: Toluene-d8	*97.0*		*70-130*	*%REC*	1	3/16/2016 01:51 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **JB**
Electrical Conductivity @ Saturation	**1.3**		**0.050**	**mmhos/cm @2**	10	3/18/2016 08:40 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**13**		**0.58**	**mg/Kg-dry**	1	3/17/2016 07:59 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 3/15/16	Analyst: **TVD**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	3/16/2016 03:04 PM
MOISTURE			**SW3550C**			Analyst: **ED**
Moisture	**14**		**0.050**	**% of sample**	1	3/14/2016 03:20 PM
PH			**SW9045D**		Prep: EXTRACT / 3/14/16	Analyst: **STP**
pH	**8.4**			**s.u.**	1	3/14/2016 03:45 PM

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

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: SS-01 (6")
Lab ID: 1603709-02
Collection Date: 3/11/2016 11:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 3/15/16	Analyst: **IT**
DRO (C10-C28)	**380**		**4.7**	**mg/Kg-dry**	1	3/16/2016 09:31 PM
Surr: 4-Terphenyl-d14	*120*		*39-133*	*%REC*	1	3/16/2016 09:31 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 / 3/14/16	Analyst: **IT**
GRO (C6-C10)	**25,000**		**3,300**	**µg/Kg-dry**	1	3/16/2016 11:24 PM
Surr: Toluene-d8	*90.5*		*50-150*	*%REC*	1	3/16/2016 11:24 PM
MERCURY BY CVAA			**SW7471B**		Prep: SW7471 / 3/17/16	Analyst: **LR**
Mercury	ND		0.015	mg/Kg-dry	1	3/17/2016 03:54 PM
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 3/15/16	Analyst: **BL**
Arsenic	**6.4**		**0.45**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Barium	**310**		**0.45**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Cadmium	ND		0.90	mg/Kg-dry	1	3/15/2016 09:35 PM
Chromium	**9.5**		**0.45**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Copper	**9.2**		**0.90**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Lead	**7.4**		**0.45**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Nickel	**9.3**		**0.45**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
Selenium	ND		0.90	mg/Kg-dry	1	3/15/2016 09:35 PM
Silver	ND		0.45	mg/Kg-dry	1	3/15/2016 09:35 PM
Zinc	**56**		**0.90**	**mg/Kg-dry**	1	3/15/2016 09:35 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Calcium	**36**		**20**	**mg/L**	40	3/17/2016 06:14 PM
Magnesium	**14**		**8.0**	**mg/L**	40	3/17/2016 06:14 PM
Sodium	**200**		**8.0**	**mg/L**	40	3/17/2016 06:14 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Sodium Adsorption Ratio	**7.3**		**0.010**	**none**	1	3/17/2016
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 3/16/16	Analyst: **RS**
Acenaphthene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Anthracene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Benzo(a)anthracene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Benzo(a)pyrene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Benzo(b)fluoranthene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Benzo(k)fluoranthene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Chrysene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Dibenzo(a,h)anthracene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Fluoranthene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM

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

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: SS-01 (6")
Lab ID: 1603709-02
Collection Date: 3/11/2016 11:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Indeno(1,2,3-cd)pyrene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Naphthalene	**0.017**		**0.0075**	**mg/Kg-dry**	1	3/17/2016 12:50 AM
Pyrene	ND		0.0075	mg/Kg-dry	1	3/17/2016 12:50 AM
Surr: 2-Fluorobiphenyl	*70.9*		*12-100*	*%REC*	1	3/17/2016 12:50 AM
Surr: 4-Terphenyl-d14	*68.6*		*25-137*	*%REC*	1	3/17/2016 12:50 AM
Surr: Nitrobenzene-d5	*80.7*		*37-107*	*%REC*	1	3/17/2016 12:50 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 3/14/16	Analyst: **LSY**
Benzene	ND		40	µg/Kg-dry	1	3/15/2016 05:38 AM
Ethylbenzene	ND		40	µg/Kg-dry	1	3/15/2016 05:38 AM
m,p-Xylene	**450**		**80**	**µg/Kg-dry**	1	3/15/2016 05:38 AM
o-Xylene	**110**		**40**	**µg/Kg-dry**	1	3/15/2016 05:38 AM
Toluene	**190**		**40**	**µg/Kg-dry**	1	3/15/2016 05:38 AM
Xylenes, Total	**560**		**120**	**µg/Kg-dry**	1	3/15/2016 05:38 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-130*	*%REC*	1	3/15/2016 05:38 AM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	3/15/2016 05:38 AM
Surr: Dibromofluoromethane	*99.8*		*70-130*	*%REC*	1	3/15/2016 05:38 AM
Surr: Toluene-d8	*97.1*		*70-130*	*%REC*	1	3/15/2016 05:38 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **JB**
Electrical Conductivity @ Saturation	**1.5**		**0.050**	**mmhos/cm @2**	10	3/18/2016 08:40 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**9.5**		**0.58**	**mg/Kg-dry**	1	3/17/2016 07:59 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 3/15/16	Analyst: **TVD**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	3/16/2016 03:04 PM
MOISTURE			**SW3550C**			Analyst: **ED**
Moisture	**14**		**0.050**	**% of sample**	1	3/14/2016 03:20 PM
PH			**SW9045D**		Prep: EXTRACT / 3/14/16	Analyst: **STP**
pH	**8.3**			**s.u.**	1	3/14/2016 03:45 PM

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

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Sample ID: Spillpath Terminus (6")
Collection Date: 3/11/2016 11:30 AM

Work Order: 1603709
Lab ID: 1603709-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3541 / 3/15/16	Analyst: **IT**
DRO (C10-C28)	**61**		**4.5**	**mg/Kg-dry**	1	3/16/2016 10:32 PM
Surr: 4-Terphenyl-d14	*92.9*		*39-133*	*%REC*	1	3/16/2016 10:32 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 / 3/14/16	Analyst: **IT**
GRO (C6-C10)	ND		3,000	µg/Kg-dry	1	3/16/2016 11:49 PM
Surr: Toluene-d8	*94.1*		*50-150*	*%REC*	1	3/16/2016 11:49 PM
MERCURY BY CVAA			**SW7471B**		Prep: SW7471 / 3/17/16	Analyst: **LR**
Mercury	ND		0.015	mg/Kg-dry	1	3/17/2016 03:56 PM
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 3/15/16	Analyst: **BL**
Arsenic	**6.6**		**0.40**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Barium	**150**		**0.40**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Cadmium	ND		0.80	mg/Kg-dry	1	3/15/2016 09:40 PM
Chromium	**11**		**0.40**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Copper	**8.4**		**0.80**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Lead	**6.4**		**0.40**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Nickel	**11**		**0.40**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
Selenium	ND		0.80	mg/Kg-dry	1	3/15/2016 09:40 PM
Silver	ND		0.40	mg/Kg-dry	1	3/15/2016 09:40 PM
Zinc	**42**		**0.80**	**mg/Kg-dry**	1	3/15/2016 09:40 PM
SOLUBLE CATIONS FOR SAR			**SW846 6010C**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Calcium	**50**		**20**	**mg/L**	40	3/17/2016 06:48 PM
Magnesium	**57**		**8.0**	**mg/L**	40	3/17/2016 06:48 PM
Sodium	**38**		**8.0**	**mg/L**	40	3/17/2016 06:48 PM
SODIUM ADSORPTION RATIO			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **BL**
Sodium Adsorption Ratio	**0.87**		**0.010**	**none**	1	3/17/2016
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**		Prep: SW3541 / 3/16/16	Analyst: **RS**
Acenaphthene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Anthracene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Benzo(a)anthracene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Benzo(a)pyrene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Benzo(b)fluoranthene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Benzo(k)fluoranthene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Chrysene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Dibenzo(a,h)anthracene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Fluoranthene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM

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

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release **Work Order:** 1603709
Sample ID: Spillpath Terminus (6") **Lab ID:** 1603709-03
Collection Date: 3/11/2016 11:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Indeno(1,2,3-cd)pyrene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Naphthalene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Pyrene	ND		0.0073	mg/Kg-dry	1	3/17/2016 01:11 AM
Surr: 2-Fluorobiphenyl	*65.9*		*12-100*	*%REC*	1	3/17/2016 01:11 AM
Surr: 4-Terphenyl-d14	*74.5*		*25-137*	*%REC*	1	3/17/2016 01:11 AM
Surr: Nitrobenzene-d5	*72.2*		*37-107*	*%REC*	1	3/17/2016 01:11 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**		Prep: SW5035 / 3/14/16	Analyst: **LSY**
Benzene	ND		36	µg/Kg-dry	1	3/15/2016 06:04 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	3/15/2016 06:04 AM
m,p-Xylene	ND		71	µg/Kg-dry	1	3/15/2016 06:04 AM
o-Xylene	ND		36	µg/Kg-dry	1	3/15/2016 06:04 AM
Toluene	ND		36	µg/Kg-dry	1	3/15/2016 06:04 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	3/15/2016 06:04 AM
Surr: 1,2-Dichloroethane-d4	*107*		*70-130*	*%REC*	1	3/15/2016 06:04 AM
Surr: 4-Bromofluorobenzene	*97.2*		*70-130*	*%REC*	1	3/15/2016 06:04 AM
Surr: Dibromofluoromethane	*93.2*		*70-130*	*%REC*	1	3/15/2016 06:04 AM
Surr: Toluene-d8	*98.4*		*70-130*	*%REC*	1	3/15/2016 06:04 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 METHO**		Prep: USDA Method 20B / 3/17/16	Analyst: **JB**
Electrical Conductivity @ Saturation	**0.81**		**0.050**	**mmhos/cm @2**	10	3/18/2016 08:40 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**11**		**0.55**	**mg/Kg-dry**	1	3/17/2016 07:59 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep: SW3060A / 3/15/16	Analyst: **TVD**
Chromium, Hexavalent	ND		1.0	mg/Kg-dry	1	3/16/2016 03:04 PM
MOISTURE			**SW3550C**			Analyst: **ED**
Moisture	**8.6**		**0.050**	**% of sample**	1	3/14/2016 03:20 PM
PH			**SW9045D**		Prep: EXTRACT / 3/14/16	Analyst: **STP**
pH	**8.4**			**s.u.**	1	3/14/2016 03:45 PM

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

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: BG-01 (6")
Lab ID: 1603709-05
Collection Date: 3/11/2016 11:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 3/15/16	Analyst: **BL**
Arsenic	**8.3**		**0.48**	**mg/Kg-dry**	1	3/15/2016 10:02 PM
MOISTURE			**SW3550C**			Analyst: **ED**
Moisture	**17**		**0.050**	**% of sample**	1	3/14/2016 03:20 PM

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

ALS Group USA, Corp

Date: *21-Mar-16*

Client: Caerus Oil and Gas LLC
Project: High Mesa Road Release
Work Order: 1603709
Sample ID: BG-02 (6")
Lab ID: 1603709-06
Collection Date: 3/11/2016 11:55 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP			**SW846 6010C**		Prep: SW3050B / 3/15/16	Analyst: **BL**
Arsenic	**8.4**		**0.47**	**mg/Kg-dry**	1	3/15/2016 10:30 PM
MOISTURE			**SW3550C**			Analyst: **ED**
Moisture	**14**		**0.050**	**% of sample**	1	3/14/2016 05:02 PM

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

QC BATCH REPORT

Batch ID: **83531** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-83531-83531** Units: **mg/Kg** Analysis Date: **3/16/2016 02:59 PM**

Client ID: Run ID: **GC8_160316A** SeqNo: **3736502** Prep Date: **3/15/2016** 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	*1.94*	0	*2*	0	*97*	*39-133*	0			

LCS Sample ID: **DLCSS1-83531-83531** Units: **mg/Kg** Analysis Date: **3/16/2016 03:29 PM**

Client ID: Run ID: **GC8_160316A** SeqNo: **3736503** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	213.4	5.0	200	0	107	61-109	0			
Surr: 4-Terphenyl-d14	*1.745*	0	*2*	0	*87.2*	*39-133*	0			

MS Sample ID: **1603706-06B MS** Units: **mg/Kg** Analysis Date: **3/16/2016 04:00 PM**

Client ID: Run ID: **GC8_160316A** SeqNo: **3737175** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	405.3	4.1	162	205.8	123	48-110	0			S
Surr: 4-Terphenyl-d14	*1.503*	0	*1.62*	0	*92.8*	*39-133*	0			

MSD Sample ID: **1603706-06B MSD** Units: **mg/Kg** Analysis Date: **3/16/2016 05:00 PM**

Client ID: Run ID: **GC8_160316A** SeqNo: **3737176** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	347.5	4.0	161.8	205.8	87.6	48-110	405.3	15.4	30	
Surr: 4-Terphenyl-d14	*1.468*	0	*1.618*	0	*90.7*	*39-133*	1.503	*2.34*	*30*	

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83497** Instrument ID **GC9** Method: **SW8015D**

MBLK Sample ID: **MBLK-83497-83497** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 06:27 PM**
Client ID: Run ID: **GC9_160316B** SeqNo: **3737348** Prep Date: **3/14/2016** 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	*4564*	0	*5000*	0	*91.3*	*50-150*	0			

LCS Sample ID: **LCS-83497-83497** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 06:02 PM**
Client ID: Run ID: **GC9_160316B** SeqNo: **3737347** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	476700	2,500	500000	0	95.3	70-130	0			
Surr: Toluene-d8	*4682*	0	*5000*	0	*93.6*	*50-150*	0			

MS Sample ID: **1603709-01A MS** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 09:21 PM**
Client ID: **SS-POR (6")** Run ID: **GC9_160316B** SeqNo: **3737355** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	818000	3,300	662800	0	123	70-130	0			
Surr: Toluene-d8	*5548*	0	*6628*	0	*83.7*	*50-150*	0			

MSD Sample ID: **1603709-01A MSD** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 09:46 PM**
Client ID: **SS-POR (6")** Run ID: **GC9_160316B** SeqNo: **3737356** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	816200	3,300	662800	0	123	70-130	818000	0.225	30	
Surr: Toluene-d8	*5664*	0	*6628*	0	*85.5*	*50-150*	5548	*2.07*	*30*	

The following samples were analyzed in this batch: 1603709-01A 1603709-02A 1603709-03A

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83625** Instrument ID **HG1** Method: **SW7471B**

MBLK	Sample ID: **MBLK-83625-83625**				Units: **mg/Kg**			Analysis Date: **3/17/2016 03:15 PM**			
Client ID:		Run ID: **HG1_160317A**			SeqNo: **3738035**			Prep Date: **3/17/2016**		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-83625-83625**				Units: **mg/Kg**			Analysis Date: **3/17/2016 03:17 PM**			
Client ID:		Run ID: **HG1_160317A**			SeqNo: **3738037**			Prep Date: **3/17/2016**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1792	0.020	0.1665	0	108	80-120	0				

MS	Sample ID: **1603877-03BMS**				Units: **mg/Kg**			Analysis Date: **3/17/2016 03:21 PM**			
Client ID:		Run ID: **HG1_160317A**			SeqNo: **3738040**			Prep Date: **3/17/2016**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1244	0.014	0.114	0.002706	107	75-125	0				

MSD	Sample ID: **1603877-03BMSD**				Units: **mg/Kg**			Analysis Date: **3/17/2016 03:24 PM**			
Client ID:		Run ID: **HG1_160317A**			SeqNo: **3738042**			Prep Date: **3/17/2016**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Mercury	0.1251	0.014	0.1126	0.002706	109	75-125	0.1244	0.57	35		

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83552** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK Sample ID: **MBLK-83552-83552** Units: **mg/Kg** Analysis Date: **3/15/2016 07:57 PM**
Client ID: Run ID: **ICP2_160315A** SeqNo: **3734989** Prep Date: **3/15/2016** 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	0.01743	0.25								J
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.188	0.50								J

LCS Sample ID: **LCS-83552-83552** Units: **mg/Kg** Analysis Date: **3/15/2016 08:03 PM**
Client ID: Run ID: **ICP2_160315A** SeqNo: **3734990** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.032	0.25	5	0	101	80-120	0			
Barium	4.813	0.25	5	0	96.3	80-120	0			
Cadmium	4.814	0.50	5	0	96.3	80-120	0			
Chromium	5.189	0.25	5	0	104	80-120	0			
Copper	5.191	0.50	5	0	104	80-120	0			
Lead	5.093	0.25	5	0	102	80-120	0			
Nickel	4.958	0.25	5	0	99.2	80-120	0			
Selenium	5.112	0.50	5	0	102	80-120	0			
Silver	5.134	0.25	5	0	103	80-120	0			
Zinc	5.223	0.50	5	0	104	80-120	0			

MS Sample ID: **1603709-05AMS** Units: **mg/Kg** Analysis Date: **3/15/2016 10:08 PM**
Client ID: **BG-01 (6")** Run ID: **ICP2_160315A** SeqNo: **3735012** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	15.4	0.40	7.924	6.907	107	75-125	0			
Barium	154.1	0.40	7.924	164.9	-136	75-125	0			SO
Cadmium	7.376	0.79	7.924	-0.09673	94.3	75-125	0			
Chromium	24.08	0.40	7.924	14.41	122	75-125	0			
Copper	22.75	0.79	7.924	14.19	108	75-125	0			
Lead	17.05	0.40	7.924	11.52	69.9	75-125	0			S
Nickel	25.57	0.40	7.924	21.84	47	75-125	0			S
Selenium	9.582	0.79	7.924	0.9956	108	75-125	0			
Silver	8.195	0.40	7.924	-0.05649	104	75-125	0			
Zinc	58.86	0.79	7.924	46.18	160	75-125	0			SO

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83552** Instrument ID **ICP2** Method: **SW846 6010C**

MSD Sample ID: **1603709-05AMSD** Units: **mg/Kg** Analysis Date: **3/15/2016 10:13 PM**
Client ID: **BG-01 (6")** Run ID: **ICP2_160315A** SeqNo: **3735013** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.31	0.40	7.949	6.907	118	75-125	15.4	5.73	20	
Barium	152.6	0.40	7.949	164.9	-155	75-125	154.1	0.982	20	SO
Cadmium	7.576	0.79	7.949	-0.09673	96.5	75-125	7.376	2.68	20	
Chromium	23.55	0.40	7.949	14.41	115	75-125	24.08	2.19	20	
Copper	23.35	0.79	7.949	14.19	115	75-125	22.75	2.58	20	
Lead	18.15	0.40	7.949	11.52	83.5	75-125	17.05	6.24	20	
Nickel	26.99	0.40	7.949	21.84	64.7	75-125	25.57	5.4	20	S
Selenium	9.655	0.79	7.949	0.9956	109	75-125	9.582	0.759	20	
Silver	8.373	0.40	7.949	-0.05649	106	75-125	8.195	2.15	20	
Zinc	58.03	0.79	7.949	46.18	149	75-125	58.86	1.42	20	SO

The following samples were analyzed in this batch:

1603709-01B 1603709-02B 1603709-03B
1603709-05A 1603709-06A

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83651** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP	Sample ID: **1603706-03BDUP**				Units: **none**		Analysis Date: **3/17/2016**			
Client ID:		Run ID: **SAR_160317A**			SeqNo: **3738375**		Prep Date: **3/17/2016**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	27.66	0.010	0	0	0		28.76	3.9	50	

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83578** Instrument ID **SVMS5** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-83578-83578** Units: **µg/Kg** Analysis Date: **3/17/2016 04:02 PM**
Client ID: Run ID: **SVMS5_160316A** SeqNo: **3738252** Prep Date: **3/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	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(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	*1306*	0	*1667*	0	*78.3*	*12-100*	0			
Surr: 4-Terphenyl-d14	*2005*	0	*1667*	0	*120*	*25-137*	0			
Surr: Nitrobenzene-d5	*1336*	0	*1667*	0	*80.2*	*37-107*	0			

LCS Sample ID: **SLCSS1-83578-83578** Units: **µg/Kg** Analysis Date: **3/17/2016 04:25 PM**
Client ID: Run ID: **SVMS5_160316A** SeqNo: **3738253** Prep Date: **3/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	536.7	6.7	666.7	0	80.5	45-110	0			
Anthracene	664.7	6.7	666.7	0	99.7	55-105	0			
Benzo(a)anthracene	669.7	6.7	666.7	0	100	50-110	0			
Benzo(a)pyrene	641	6.7	666.7	0	96.1	50-110	0			
Benzo(b)fluoranthene	724.7	6.7	666.7	0	109	45-115	0			
Benzo(k)fluoranthene	701.3	6.7	666.7	0	105	45-115	0			
Chrysene	666.3	6.7	666.7	0	99.9	55-110	0			
Dibenzo(a,h)anthracene	684.7	6.7	666.7	0	103	40-125	0			
Fluoranthene	665	6.7	666.7	0	99.7	55-115	0			
Fluorene	540.3	6.7	666.7	0	81	50-110	0			
Indeno(1,2,3-cd)pyrene	627	6.7	666.7	0	94	40-120	0			
Naphthalene	566.7	6.7	666.7	0	85	40-105	0			
Pyrene	736	6.7	666.7	0	110	45-125	0			
Surr: 2-Fluorobiphenyl	*1402*	0	*1667*	0	*84.1*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1827*	0	*1667*	0	*110*	*25-137*	0			
Surr: Nitrobenzene-d5	*1450*	0	*1667*	0	*87*	*37-107*	0			

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83578** Instrument ID **SVMS5** Method: **SW846 8270D**

MS Sample ID: **1603738-06B MS** Units: **µg/Kg** Analysis Date: **3/16/2016 06:26 PM**

Client ID: Run ID: **SVMS5_160316A** SeqNo: **3737877** Prep Date: **3/16/2016** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	592.8	33	660.5	112.6	72.7	45-110	0			
Anthracene	1219	33	660.5	466.8	114	55-105	0			S
Benzo(a)anthracene	2246	33	660.5	1275	147	50-110	0			S
Benzo(a)pyrene	1972	33	660.5	1157	123	50-110	0			S
Benzo(b)fluoranthene	2708	33	660.5	1653	160	45-115	0			S
Benzo(k)fluoranthene	1304	33	660.5	597.4	107	45-115	0			
Chrysene	2105	33	660.5	1177	141	55-110	0			S
Dibenzo(a,h)anthracene	731.5	33	660.5	195.9	81.1	40-125	0			
Fluoranthene	4467	33	660.5	2967	227	55-115	0			SO
Fluorene	820.7	33	660.5	275.8	82.5	50-110	0			
Indeno(1,2,3-cd)pyrene	1428	33	660.5	856.9	86.5	40-120	0			
Naphthalene	421.1	33	660.5	0	63.7	40-105	0			
Pyrene	3615	33	660.5	2189	216	45-125	0			S
Surr: 2-Fluorobiphenyl	*1171*	0	*1651*	0	*70.9*	*12-100*	0			
Surr: 4-Terphenyl-d14	*1364*	0	*1651*	0	*82.6*	*25-137*	0			
Surr: Nitrobenzene-d5	*1177*	0	*1651*	0	*71.3*	*37-107*	0			

MSD Sample ID: **1603738-06B MSD** Units: **µg/Kg** Analysis Date: **3/16/2016 06:50 PM**

Client ID: Run ID: **SVMS5_160316A** SeqNo: **3737878** Prep Date: **3/16/2016** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	557.5	33	665.7	112.6	66.8	45-110	592.8	6.14	30	
Anthracene	858.7	33	665.7	466.8	58.9	55-105	1219	34.7	30	R
Benzo(a)anthracene	1419	33	665.7	1275	21.7	50-110	2246	45.1	30	SR
Benzo(a)pyrene	1306	33	665.7	1157	22.4	50-110	1972	40.6	30	SR
Benzo(b)fluoranthene	1649	33	665.7	1653	-0.639	45-115	2708	48.6	30	SR
Benzo(k)fluoranthene	975.1	33	665.7	597.4	56.8	45-115	1304	28.9	30	
Chrysene	1306	33	665.7	1177	19.5	55-110	2105	46.8	30	SR
Dibenzo(a,h)anthracene	637.3	33	665.7	195.9	66.3	40-125	731.5	13.8	30	
Fluoranthene	2318	33	665.7	2967	-97.5	55-115	4467	63.3	30	SRO
Fluorene	655.6	33	665.7	275.8	57.1	50-110	820.7	22.4	30	
Indeno(1,2,3-cd)pyrene	993.4	33	665.7	856.9	20.5	40-120	1428	35.9	30	SR
Naphthalene	527.5	33	665.7	0	79.2	40-105	421.1	22.4	30	
Pyrene	1907	33	665.7	2189	-42.3	45-125	3615	61.9	30	SR
Surr: 2-Fluorobiphenyl	*1221*	0	*1664*	0	*73.4*	*12-100*	1171	*4.24*	*40*	
Surr: 4-Terphenyl-d14	*1308*	0	*1664*	0	*78.6*	*25-137*	1364	*4.19*	*40*	
Surr: Nitrobenzene-d5	*1168*	0	*1664*	0	*70.2*	*37-107*	1177	*0.782*	*40*	

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83496** Instrument ID **VMS9** Method: **SW8260B**

MBLK Sample ID: **MBLK-83496-83496** Units: **µg/Kg-dry** Analysis Date: **3/14/2016 02:07 PM**
Client ID: Run ID: **VMS9_160314A** SeqNo: **3733593** Prep Date: **3/14/2016** 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	11.5	30								J
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1052*	0	*1000*	0	*105*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*988*	0	*1000*	0	*98.8*	*70-130*	0			
Surr: Dibromofluoromethane	*969*	0	*1000*	0	*96.9*	*70-130*	0			
Surr: Toluene-d8	*970.5*	0	*1000*	0	*97*	*70-130*	0			

LCS Sample ID: **LCS-83496-83496** Units: **µg/Kg-dry** Analysis Date: **3/14/2016 12:24 PM**
Client ID: Run ID: **VMS9_160314A** SeqNo: **3733592** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1025	30	1000	0	102	75-125	0			
Ethylbenzene	1058	30	1000	0	106	75-125	0			
m,p-Xylene	2151	60	2000	0	108	80-125	0			
o-Xylene	1025	30	1000	0	102	75-125	0			
Toluene	1030	30	1000	0	103	70-125	0			
Xylenes, Total	3176	90	3000	0	106	75-125	0			
Surr: 1,2-Dichloroethane-d4	*958.5*	0	*1000*	0	*95.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1002*	0	*1000*	0	*100*	*70-130*	0			
Surr: Dibromofluoromethane	*988.5*	0	*1000*	0	*98.8*	*70-130*	0			
Surr: Toluene-d8	*991.5*	0	*1000*	0	*99.2*	*70-130*	0			

MS Sample ID: **1603709-01A MS** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 08:42 AM**
Client ID: **SS-POR (6")** Run ID: **VMS10_160315B** SeqNo: **3735699** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1320	40	1326	0	99.6	75-125	0			
Ethylbenzene	1396	40	1326	0	105	75-125	0			
m,p-Xylene	3023	80	2651	100.1	110	80-125	0			
o-Xylene	1418	40	1326	23.2	105	75-125	0			
Toluene	1369	40	1326	33.14	101	70-125	0			
Xylenes, Total	4441	120	3977	123	109	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1408*	0	*1326*	0	*106*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1442*	0	*1326*	0	*109*	*70-130*	0			
Surr: Dibromofluoromethane	*1376*	0	*1326*	0	*104*	*70-130*	0			
Surr: Toluene-d8	*1293*	0	*1326*	0	*97.6*	*70-130*	0			

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83496** Instrument ID **VMS9** Method: **SW8260B**

MSD Sample ID: **1603709-01A MSD** Units: **µg/Kg-dry** Analysis Date: **3/16/2016 09:06 AM**
Client ID: **SS-POR (6")** Run ID: **VMS10_160315B** SeqNo: **3735700** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1381	40	1326	0	104	75-125	1320	4.52	30	
Ethylbenzene	1474	40	1326	0	111	75-125	1396	5.45	30	
m,p-Xylene	3189	80	2651	100.1	116	80-125	3023	5.34	30	
o-Xylene	1493	40	1326	23.2	111	75-125	1418	5.1	30	
Toluene	1408	40	1326	33.14	104	70-125	1369	2.77	30	
Xylenes, Total	4681	120	3977	123	115	75-125	4441	5.26	30	
Surr: 1,2-Dichloroethane-d4	*1422*	0	*1326*	0	*107*	*70-130*	1408	*0.937*	*30*	
Surr: 4-Bromofluorobenzene	*1436*	0	*1326*	0	*108*	*70-130*	1442	*0.414*	*30*	
Surr: Dibromofluoromethane	*1359*	0	*1326*	0	*102*	*70-130*	1376	*1.26*	*30*	
Surr: Toluene-d8	*1289*	0	*1326*	0	*97.2*	*70-130*	1293	*0.308*	*30*	

The following samples were analyzed in this batch: 1603709-01A 1603709-02A 1603709-03A

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83495** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-83495-83495** Units: **s.u.** Analysis Date: **3/14/2016 03:45 PM**
Client ID: Run ID: **WETCHEM_160314I** SeqNo: **3732544** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4.02	0	4	0	100	90-110	0			

DUP Sample ID: **1603551-01A DUP** Units: **s.u.** Analysis Date: **3/14/2016 03:45 PM**
Client ID: Run ID: **WETCHEM_160314I** SeqNo: **3732546** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	11.59	0	0	0	0	0-0	11.54	0.432	20	

DUP Sample ID: **1603706-04B DUP** Units: **s.u.** Analysis Date: **3/14/2016 03:45 PM**
Client ID: Run ID: **WETCHEM_160314I** SeqNo: **3732553** Prep Date: **3/14/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.36	0	0	0	0	0-0	8.42	0.715	20	

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83614** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-83614-83614** Units: **mg/Kg** Analysis Date: **3/16/2016 03:04 PM**
Client ID: Run ID: **WETCHEM_160316Q** SeqNo: **3736438** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	1.0								

LCS Sample ID: **LCS-83614-83614** Units: **mg/Kg** Analysis Date: **3/16/2016 03:04 PM**
Client ID: Run ID: **WETCHEM_160316Q** SeqNo: **3736439** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.76	1.0	5	0	95.2	80-120	0			

MS Sample ID: **1603709-03BMS** Units: **mg/Kg** Analysis Date: **3/16/2016 03:04 PM**
Client ID: **Spillpath Terminus (6")** Run ID: **WETCHEM_160316Q** SeqNo: **3736451** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.128	0.92	4.587	0.1226	43.7	75-125	0			S

MS Sample ID: **1603709-03BMSI** Units: **mg/Kg** Analysis Date: **3/16/2016 03:04 PM**
Client ID: **Spillpath Terminus (6")** Run ID: **WETCHEM_160316Q** SeqNo: **3736453** Prep Date: **3/15/2016** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2531	94	2945	0.1226	85.9	75-125	0			

MSD Sample ID: **1603709-03BMSD** Units: **mg/Kg** Analysis Date: **3/16/2016 03:04 PM**
Client ID: **Spillpath Terminus (6")** Run ID: **WETCHEM_160316Q** SeqNo: **3736452** Prep Date: **3/15/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.311	0.94	4.717	0.1226	46.4	75-125	2.128	8.24	20	S

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **83651** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **1603706-03B DUP** Units: **mmhos/cm @25°** Analysis Date: **3/18/2016 08:40 AM**

Client ID: Run ID: **WETCHEM_160318A** SeqNo: **3738657** Prep Date: **3/17/2016** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	8.38	0.050	0	0	0		7.79	7.3	50	

The following samples were analyzed in this batch: 1603709-01B 1603709-02B 1603709-03B

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **R183474** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R183474** Units: **% of sample** Analysis Date: **3/14/2016 03:20 PM**
Client ID: Run ID: **MOIST_160314B** SeqNo: **3734183** 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-R183474** Units: **% of sample** Analysis Date: **3/14/2016 03:20 PM**
Client ID: Run ID: **MOIST_160314B** SeqNo: **3734182** 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: **1603693-02B DUP** Units: **% of sample** Analysis Date: **3/14/2016 03:20 PM**
Client ID: Run ID: **MOIST_160314B** SeqNo: **3734162** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.13	0.050	0	0	0		11.62	4.29	20	

DUP Sample ID: **1603693-08A DUP** Units: **% of sample** Analysis Date: **3/14/2016 03:20 PM**
Client ID: Run ID: **MOIST_160314B** SeqNo: **3734169** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	20.98	0.050	0	0	0		21.23	1.18	20	

The following samples were analyzed in this batch:

1603709-01B	1603709-02B	1603709-03B
1603709-05A		

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

Client: Caerus Oil and Gas LLC
Work Order: 1603709
Project: High Mesa Road Release

QC BATCH REPORT

Batch ID: **R183475** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R183475** Units: **% of sample** Analysis Date: **3/14/2016 05:02 PM**
Client ID: Run ID: **MOIST_160314C** SeqNo: **3734208** 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-R183475** Units: **% of sample** Analysis Date: **3/14/2016 05:02 PM**
Client ID: Run ID: **MOIST_160314C** SeqNo: **3734207** 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: **1603686-02B DUP** Units: **% of sample** Analysis Date: **3/14/2016 05:02 PM**
Client ID: Run ID: **MOIST_160314C** SeqNo: **3734198** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	17.59	0.050	0	0	0		18.91	7.23	20	

DUP Sample ID: **1603709-06A DUP** Units: **% of sample** Analysis Date: **3/14/2016 05:02 PM**
Client ID: **BG-02 (6")** Run ID: **MOIST_160314C** SeqNo: **3734206** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.47	0.050	0	0	0		14.37	0.693	20	

The following samples were analyzed in this batch: 1603709-06A

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

ALS Laboratory Group

CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.

COC number (for client tracking): 1603707

Page 1 of 1

CLIENT CONTACT AND REPORTING INFORMATION		INVOICE ADDRESS (if other than reporting address)	
Company Name:	Caerus Oil & Gas	Company Name:	SAME
Project Manager:	Jake Janicek	Contact Name:	SAME
Address:	120 North Railroad Ave	Address:	SAME
	Parachute, Colorado 81635		
Phone:	970.286.9606	PROJECT INFORMATION	
Email 1:	cmckisson@ltenv.com	Project ID:	High Mesa Road Release
Email 2:	jjanicek@caerusoilandgas.com	Site:	–
SERVICE REQUEST (Express services subject to availability)		PO No:	–
☑ Regular (default)	STD 5-day TAT	ALS Quote No:	–
☐ Express	(Pls specify date required _____) (express fee will apply)		

ALS ID #	SAMPLE IDENTIFICATION (this description will appear on report)	MATRIX (a)	SAMPLING AND CONTAINER INFO Date	Time	Tot Bottle	REMARKS	BTEX	TPH GRO/DRO	Table 910-1 PAHs 8270 SIM	EC	PH	SAR	Table 910-1 Metals: As, Ba, Cd, Cr III, Cr VI, Cu, Pb, Hg, Ni, Se, Ag, Zn	As
							CROSS THE REQUESTED ANALYSIS							
1	SS-POR	S	3/11/16	1115	3	6"	X	X	X	X	X	X	X	
2	SS-01	S	3/11/16	1125	3	6"	X	X	X	X	X	X	X	
3	Spillpath Terminus	S	3/11/16	1130	3	6"	X	X	X	X	X	X	X	
4	POC	S	3/11/16	1140	3	6"	X	X	X	X	X	X	X	Hold
5	BG-01	S	3/11/16	1145	3	6"								X
6	BG-02	S	3/11/16	1155	3	6"								X

CLIENT SIGNATURES	For lab use only			
Client's Signature:	Cooler Security Seal: ☐ sealed ☐ broken ☐ not available	Sample Temp: ☐ chilled deg °C ☐ ambient	No of Cooler Received: carton / cooler box	Received by (lab): Date and Time: 3/12/16 1420
Client's Date and Time of Completion: 3/11/16 1330			Courier Name: ALS	Committed by: Date and Time

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email: HongKong@alsglobal.com

* Hold POC pending analysis of other samples *

2.0°C

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **CAERUS** Date/Time Received: **12-Mar-16 14:20**

Work Order: **1603709** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 14-Mar-16 (Date) Reviewed by: Chad Whelton (eSignature) 14-Mar-16 (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):	2.0/2.0 C	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	3/14/2016 11:38:46 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: