



13-Oct-2015

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

Re: **Project Nolte 14-43d Landfarm**

Work Order: **1510326**

Dear Jake,

ALS Environmental received 2 samples on 06-Oct-2015 02:30 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 26.

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

Sincerely,

A handwritten signature in black ink that reads "Les Arnold".

Electronically approved by: Chad Whelton

Les Arnold  
Senior Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

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**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Work Order:** 1510326

**Work Order Sample Summary**

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<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1510326-01	Nolte Landfarm East	Soil		10/5/2015 15:03	10/6/2015 14:30	<input type="checkbox"/>
1510326-02	Nolte Landfarm West	Soil		10/5/2015 15:18	10/6/2015 14:30	<input type="checkbox"/>

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**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Work Order:** 1510326

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**Case Narrative**

Batch 77052, Method VOC\_8260\_S, Sample 1510326-01A: VOC surrogate recovery high due to matrix interference.

Batch 77106, Method CR6\_7196\_S, Sample 1510326-02A MS/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.

Batch 77156, Method ICP\_6010\_S, Sample 1510326-02A MS/MSD: The MS and MSD recovery was above the upper control limit for Chromium. The corresponding result in the parent sample may be biased high.

Batch 77156, Method ICP\_6010\_S, Sample 1510326-02A 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.

<b><u>Qualifier</u></b>	<b><u>Description</u></b>
*	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.

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

<b><u>Units Reported</u></b>	<b><u>Description</u></b>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

# ALS Group USA, Corp

Date: 13-Oct-15

**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Sample ID:** Nolte Landfarm East  
**Collection Date:** 10/5/2015 03:03 PM

**Work Order:** 1510326  
**Lab ID:** 1510326-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>			<b>SW8015M</b>			Analyst: <b>IT</b>
<b>DRO (C10-C28)</b>	<b>160</b>		<b>4.5</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/9/2015 04:24 AM
<i>Surr: 4-Terphenyl-d14</i>	<i>104</i>		<i>39-133</i>	<i>%REC</i>	<i>1</i>	10/9/2015 04:24 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>			<b>SW8015D</b>			Analyst: <b>IT</b>
<b>GRO (C6-C10)</b>	<b>5,900</b>		<b>14</b>	<b>mg/Kg-dry</b>	<b>5</b>	10/6/2015 09:24 PM
<i>Surr: Toluene-d8</i>	<i>102</i>		<i>50-150</i>	<i>%REC</i>	<i>5</i>	10/6/2015 09:24 PM
<b>MERCURY BY CVAA</b>			<b>SW7471B</b>		Prep: SW7471 / 10/7/15	Analyst: <b>LR</b>
<b>Mercury</b>	<b>0.025</b>		<b>0.015</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/7/2015 05:48 PM
<b>METALS ANALYSIS BY ICP</b>			<b>SW846 6010C</b>		Prep: SW3050B / 10/8/15	Analyst: <b>JEC</b>
<b>Arsenic</b>	<b>6.7</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Barium</b>	<b>360</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Cadmium</b>	<b>ND</b>		<b>0.85</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Chromium</b>	<b>14</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Copper</b>	<b>14</b>		<b>0.85</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Lead</b>	<b>13</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Nickel</b>	<b>26</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Selenium</b>	<b>1.1</b>		<b>0.85</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Silver</b>	<b>ND</b>		<b>0.42</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>Zinc</b>	<b>62</b>		<b>0.85</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 10:21 AM
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW846 6010C</b>		Prep: USDA Method 20B / 10/8/15	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>460</b>		<b>5.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:13 PM
<b>Magnesium</b>	<b>110</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:13 PM
<b>Sodium</b>	<b>2,000</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:13 PM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 10/8/15	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>21</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	10/8/2015
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW846 8270D</b>		Prep: SW3541 / 10/8/15	Analyst: <b>RS</b>
<b>Acenaphthene</b>	<b>ND</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Anthracene</b>	<b>ND</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Benzo(a)anthracene</b>	<b>0.0090</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Benzo(a)pyrene</b>	<b>0.012</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Benzo(b)fluoranthene</b>	<b>0.013</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Benzo(k)fluoranthene</b>	<b>ND</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Chrysene</b>	<b>ND</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Dibenzo(a,h)anthracene</b>	<b>ND</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM
<b>Fluoranthene</b>	<b>0.015</b>		<b>0.0072</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:18 AM

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

# ALS Group USA, Corp

Date: 13-Oct-15

**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Sample ID:** Nolte Landfarm East  
**Collection Date:** 10/5/2015 03:03 PM

**Work Order:** 1510326  
**Lab ID:** 1510326-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Fluorene</b>	<b>0.015</b>		<b>0.0072</b>	mg/Kg-dry	1	10/10/2015 01:18 AM
<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.0094</b>		<b>0.0072</b>	mg/Kg-dry	1	10/10/2015 01:18 AM
<b>Naphthalene</b>	<b>0.068</b>		<b>0.0072</b>	mg/Kg-dry	1	10/10/2015 01:18 AM
<b>Pyrene</b>	<b>0.012</b>		<b>0.0072</b>	mg/Kg-dry	1	10/10/2015 01:18 AM
Surr: 2-Fluorobiphenyl	70.5		12-100	%REC	1	10/10/2015 01:18 AM
Surr: 4-Terphenyl-d14	77.7		25-137	%REC	1	10/10/2015 01:18 AM
Surr: Nitrobenzene-d5	73.5		37-107	%REC	1	10/10/2015 01:18 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>	Prep: SW5035 / 10/6/15	Analyst: <b>AK</b>	
Benzene	ND		0.033	mg/Kg-dry	1	10/11/2015 02:13 PM
<b>Ethylbenzene</b>	<b>3.3</b>		<b>0.033</b>	mg/Kg-dry	1	10/11/2015 02:13 PM
<b>m,p-Xylene</b>	<b>76</b>		<b>2.6</b>	mg/Kg-dry	40	10/13/2015 07:53 AM
<b>o-Xylene</b>	<b>6.6</b>		<b>1.3</b>	mg/Kg-dry	40	10/13/2015 07:53 AM
<b>Toluene</b>	<b>0.85</b>		<b>0.033</b>	mg/Kg-dry	1	10/11/2015 02:13 PM
<b>Xylenes, Total</b>	<b>83</b>		<b>4.0</b>	mg/Kg-dry	40	10/13/2015 07:53 AM
Surr: 1,2-Dichloroethane-d4	97.8		70-130	%REC	40	10/13/2015 07:53 AM
Surr: 1,2-Dichloroethane-d4	98.4		70-130	%REC	1	10/11/2015 02:13 PM
Surr: 4-Bromofluorobenzene	115		70-130	%REC	1	10/11/2015 02:13 PM
Surr: 4-Bromofluorobenzene	99.6		70-130	%REC	40	10/13/2015 07:53 AM
Surr: Dibromofluoromethane	91.7		70-130	%REC	40	10/13/2015 07:53 AM
Surr: Dibromofluoromethane	103		70-130	%REC	1	10/11/2015 02:13 PM
Surr: Toluene-d8	377	S	70-130	%REC	1	10/11/2015 02:13 PM
Surr: Toluene-d8	103		70-130	%REC	40	10/13/2015 07:53 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>	Prep: USDA Method 20B / 10/8/15	Analyst: <b>JB</b>	
<b>Electrical Conductivity @ Saturation</b>	<b>13</b>		<b>0.050</b>	mmhos/cm @2	10	10/8/2015 02:45 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>	Analyst: <b>JB</b>		
<b>Chromium, Trivalent</b>	<b>14</b>		<b>0.55</b>	mg/Kg-dry	1	10/12/2015 02:00 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>	Prep: SW3060A / 10/6/15	Analyst: <b>MB</b>	
<b>Chromium, Hexavalent</b>	ND		1.0	mg/Kg-dry	1	10/7/2015 03:30 PM
<b>MOISTURE</b>			<b>E160.3M</b>	Analyst: <b>TM</b>		
<b>Moisture</b>	<b>9.0</b>		<b>0.050</b>	% of sample	1	10/9/2015 01:54 PM
<b>PH</b>			<b>SW9045D</b>	Prep: EXTRACT / 10/6/15	Analyst: <b>JB</b>	
<b>pH</b>	<b>8.0</b>			s.u.	1	10/6/2015 03:45 PM

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

# ALS Group USA, Corp

Date: 13-Oct-15

**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Sample ID:** Nolte Landfarm West  
**Collection Date:** 10/5/2015 03:18 PM

**Work Order:** 1510326  
**Lab ID:** 1510326-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>			<b>SW8015M</b>		Analyst: <b>IT</b>	
<b>DRO (C10-C28)</b>	<b>170</b>		<b>4.4</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/9/2015 04:54 AM
<i>Surr: 4-Terphenyl-d14</i>	96.4		39-133	%REC	1	10/9/2015 04:54 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>			<b>SW8015D</b>		Analyst: <b>IT</b>	
<b>GRO (C6-C10)</b>	<b>470</b>		<b>14</b>	<b>mg/Kg-dry</b>	<b>5</b>	10/6/2015 09:52 PM
<i>Surr: Toluene-d8</i>	102		50-150	%REC	5	10/6/2015 09:52 PM
<b>MERCURY BY CVAA</b>			<b>SW7471B</b>		Prep: SW7471 / 10/7/15	Analyst: <b>LR</b>
<b>Mercury</b>	<b>0.025</b>		<b>0.016</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/7/2015 05:51 PM
<b>METALS ANALYSIS BY ICP</b>			<b>SW846 6010C</b>		Prep: SW3050B / 10/8/15	Analyst: <b>JEC</b>
<b>Arsenic</b>	<b>6.6</b>		<b>0.41</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Barium</b>	<b>490</b>		<b>0.41</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Cadmium</b>	ND		0.82	mg/Kg-dry	1	10/8/2015 06:43 PM
<b>Chromium</b>	<b>13</b>		<b>0.41</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Copper</b>	<b>14</b>		<b>0.82</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Lead</b>	<b>14</b>		<b>0.41</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Nickel</b>	<b>25</b>		<b>0.41</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>Selenium</b>	ND		0.82	mg/Kg-dry	1	10/8/2015 06:43 PM
<b>Silver</b>	ND		0.41	mg/Kg-dry	1	10/8/2015 06:43 PM
<b>Zinc</b>	<b>65</b>		<b>0.82</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/8/2015 06:43 PM
<b>SOLUBLE CATIONS FOR SAR</b>			<b>SW846 6010C</b>		Prep: USDA Method 20B / 10/8/15	Analyst: <b>JEC</b>
<b>Calcium</b>	<b>450</b>		<b>5.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:18 PM
<b>Magnesium</b>	<b>100</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:18 PM
<b>Sodium</b>	<b>1,800</b>		<b>2.0</b>	<b>mg/L</b>	<b>10</b>	10/8/2015 12:18 PM
<b>SODIUM ADSORPTION RATIO</b>			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 10/8/15	Analyst: <b>JEC</b>
<b>Sodium Adsorption Ratio</b>	<b>20</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	10/8/2015
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>			<b>SW846 8270D</b>		Prep: SW3541 / 10/8/15	Analyst: <b>RS</b>
<b>Acenaphthene</b>	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Anthracene</b>	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Benzo(a)anthracene</b>	<b>0.0082</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
<b>Benzo(a)pyrene</b>	<b>0.0078</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
<b>Benzo(b)fluoranthene</b>	<b>0.0089</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
<b>Benzo(k)fluoranthene</b>	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Chrysene</b>	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Dibenzo(a,h)anthracene</b>	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Fluoranthene</b>	<b>0.011</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM

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

# ALS Group USA, Corp

Date: 13-Oct-15

**Client:** Caerus Oil and Gas LLC  
**Project:** Project Nolte 14-43d Landfarm  
**Sample ID:** Nolte Landfarm West  
**Collection Date:** 10/5/2015 03:18 PM

**Work Order:** 1510326  
**Lab ID:** 1510326-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Fluorene</b>	<b>0.021</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
Indeno(1,2,3-cd)pyrene	ND		0.0071	mg/Kg-dry	1	10/10/2015 01:37 AM
<b>Naphthalene</b>	<b>0.049</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
<b>Pyrene</b>	<b>0.011</b>		<b>0.0071</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/10/2015 01:37 AM
Surr: 2-Fluorobiphenyl	73.2		12-100	%REC	1	10/10/2015 01:37 AM
Surr: 4-Terphenyl-d14	74.2		25-137	%REC	1	10/10/2015 01:37 AM
Surr: Nitrobenzene-d5	79.1		37-107	%REC	1	10/10/2015 01:37 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>	Prep: SW5035 / 10/6/15	Analyst: <b>BG</b>	
Benzene	ND		0.033	mg/Kg-dry	1	10/13/2015 03:05 AM
Ethylbenzene	ND		0.033	mg/Kg-dry	1	10/13/2015 03:05 AM
<b>m,p-Xylene</b>	<b>0.46</b>		<b>0.065</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/13/2015 03:05 AM
<b>o-Xylene</b>	<b>0.035</b>		<b>0.033</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/13/2015 03:05 AM
<b>Toluene</b>	<b>0.070</b>		<b>0.033</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/13/2015 03:05 AM
<b>Xylenes, Total</b>	<b>0.49</b>		<b>0.098</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/13/2015 03:05 AM
Surr: 1,2-Dichloroethane-d4	97.4		70-130	%REC	1	10/13/2015 03:05 AM
Surr: 4-Bromofluorobenzene	103		70-130	%REC	1	10/13/2015 03:05 AM
Surr: Dibromofluoromethane	92.8		70-130	%REC	1	10/13/2015 03:05 AM
Surr: Toluene-d8	105		70-130	%REC	1	10/13/2015 03:05 AM
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			<b>USDA H60 METHO</b>	Prep: USDA Method 20B / 10/8/15	Analyst: <b>JB</b>	
<b>Electrical Conductivity @ Saturation</b>	<b>12</b>		<b>0.050</b>	<b>mmhos/cm @2</b>	<b>10</b>	10/8/2015 02:45 PM
<b>CHROMIUM, TRIVALENT</b>			<b>CALCULATION</b>	Analyst: <b>JB</b>		
<b>Chromium, Trivalent</b>	<b>13</b>		<b>0.54</b>	<b>mg/Kg-dry</b>	<b>1</b>	10/12/2015 02:00 PM
<b>CHROMIUM, HEXAVALENT</b>			<b>SW7196A</b>	Prep: SW3060A / 10/6/15	Analyst: <b>MB</b>	
<b>Chromium, Hexavalent</b>	ND		1.0	mg/Kg-dry	1	10/7/2015 03:30 PM
<b>MOISTURE</b>			<b>E160.3M</b>	Analyst: <b>TM</b>		
<b>Moisture</b>	<b>8.1</b>		<b>0.050</b>	<b>% of sample</b>	<b>1</b>	10/9/2015 01:54 PM
<b>PH</b>			<b>SW9045D</b>	Prep: EXTRACT / 10/6/15	Analyst: <b>JB</b>	
<b>pH</b>	<b>8.0</b>			<b>s.u.</b>	<b>1</b>	10/6/2015 03:45 PM

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

# QC BATCH REPORT

Batch ID: **77136b** Instrument ID **GC8** Method: **SW8015M**

<b>MBLK</b>		Sample ID: <b>DBLKS1-77136-77136b</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/8/2015 05:26 PM</b>		
Client ID:		Run ID: <b>GC8_151008A</b>				SeqNo: <b>3499247</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	ND	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.724	0	2	0	86.2	39-133	0			

<b>LCS</b>		Sample ID: <b>DLCSS1-77136-77136b</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/8/2015 05:56 PM</b>		
Client ID:		Run ID: <b>GC8_151008A</b>				SeqNo: <b>3499248</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	194.9	5.0	200	0	97.4	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.392	0	2	0	69.6	39-133	0			

<b>MS</b>		Sample ID: <b>1510242-01B MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/8/2015 06:26 PM</b>		
Client ID:		Run ID: <b>GC8_151008A</b>				SeqNo: <b>3499251</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	174.8	4.1	162.2	17.46	97	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	1.177	0	1.622	0	72.5	39-133	0			

<b>MSD</b>		Sample ID: <b>1510242-01B MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/8/2015 06:56 PM</b>		
Client ID:		Run ID: <b>GC8_151008A</b>				SeqNo: <b>3499254</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	173.2	4.1	162.1	17.46	96.1	48-110	174.8	0.919	30	
<i>Surr: 4-Terphenyl-d14</i>	1.154	0	1.621	0	71.2	39-133	1.177	1.91	30	

The following samples were analyzed in this batch: 1510326-01A 1510326-02A

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77029A** Instrument ID **GC9** Method: **SW8015D**

<b>MBLK</b>	Sample ID: <b>MBLK-77029-77029A</b>					Units: <b>µg/Kg</b>		Analysis Date: <b>10/6/2015 07:17 PM</b>		
Client ID:	Run ID: <b>GC9_151006A</b>				SeqNo: <b>3494676</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	4609	0	5000	0	92.2	50-150	0			

<b>LCS</b>	Sample ID: <b>LCS-77029-77029A</b>					Units: <b>µg/Kg</b>		Analysis Date: <b>10/6/2015 06:52 PM</b>		
Client ID:	Run ID: <b>GC9_151006A</b>				SeqNo: <b>3494671</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	522900	2,500	500000	0	105	70-130	0			
Surr: Toluene-d8	5100	0	5000	0	102	50-150	0			

<b>MS</b>	Sample ID: <b>1510320-01A MS</b>					Units: <b>µg/Kg</b>		Analysis Date: <b>10/6/2015 10:17 PM</b>		
Client ID:	Run ID: <b>GC9_151006A</b>				SeqNo: <b>3494690</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	740000	2,500	500000	63570	135	70-130	0			S
Surr: Toluene-d8	5460	0	5000	0	109	50-150	0			

<b>MSD</b>	Sample ID: <b>1510320-01A MSD</b>					Units: <b>µg/Kg</b>		Analysis Date: <b>10/6/2015 10:41 PM</b>		
Client ID:	Run ID: <b>GC9_151006A</b>				SeqNo: <b>3494692</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	744000	2,500	500000	63570	136	70-130	740000	0.539	30	S
Surr: Toluene-d8	5558	0	5000	0	111	50-150	5460	1.77	30	

The following samples were analyzed in this batch:

1510326-01A	1510326-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77083**      Instrument ID **HG1**      Method: **SW7471B**

<b>MBLK</b>		Sample ID: <b>MBLK-77083-77083</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 04:33 PM</b>		
Client ID:		Run ID: <b>HG1_151007A</b>				SeqNo: <b>3496119</b>		Prep Date: <b>10/7/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury      ND      0.020

<b>LCS</b>		Sample ID: <b>LCS-77083-77083</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 04:36 PM</b>		
Client ID:		Run ID: <b>HG1_151007A</b>				SeqNo: <b>3496120</b>		Prep Date: <b>10/7/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury      0.1767      0.020      0.1665      0      106      80-120      0

<b>MS</b>		Sample ID: <b>1510170-06BMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 04:43 PM</b>		
Client ID:		Run ID: <b>HG1_151007A</b>				SeqNo: <b>3496123</b>		Prep Date: <b>10/7/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury      0.1146      0.013      0.105      0.002268      107      75-125      0

<b>MSD</b>		Sample ID: <b>1510170-06BMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 04:45 PM</b>		
Client ID:		Run ID: <b>HG1_151007A</b>				SeqNo: <b>3496124</b>		Prep Date: <b>10/7/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury      0.1149      0.013      0.1048      0.002268      107      75-125      0.1146      0.248      35

The following samples were analyzed in this batch:

1510326-01A      1510326-02A

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77102** Instrument ID **ICP2** Method: **SW846 6010C**

DUP					Sample ID: 1510326-02ADUP		Units: mg/L		Analysis Date: 10/8/2015 12:24 PM		
Client ID: Nolte Landfarm West			Run ID: ICP2_151008A			SeqNo: 3497560		Prep Date: 10/8/2015		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Calcium	452.4	5.0	0	0	0	0-0	453	0.116			
Magnesium	103.1	2.0	0	0	0	0-0	103.7	0.569			
Sodium	1780	2.0	0	0	0	0-0	1775	0.283			

DUP				Sample ID: 1510326-02ADUP				Units: none			Analysis Date: 10/8/2015		
Client ID: Nolte Landfarm West				Run ID: SAR_151008B				SeqNo: 3497692			Prep Date: 10/8/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Sodium Adsorption Ratio	19.65	0.010	0	0	0		19.57	0.403	50				

The following samples were analyzed in this batch: | 1510326-01A | 1510326-02A |

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77156** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK				Sample ID: MBLK-77156-77156			Units: mg/Kg		Analysis Date: 10/8/2015 06:32 PM		
Client ID:			Run ID: ICP2_151008A			SeqNo: 3499670		Prep Date: 10/8/2015		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	0.009063	0.25								J	
Copper	0.06804	0.50								J	
Lead	ND	0.25									
Nickel	ND	0.25									
Selenium	ND	0.50									
Silver	ND	0.25									
Zinc	0.09719	0.50								J	

LCS				Sample ID: LCS-77156-77156				Units: mg/Kg			Analysis Date: 10/8/2015 06:38 PM		
Client ID:			Run ID: ICP2_151008A				SeqNo: 3499671			Prep Date: 10/8/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Arsenic	5.09	0.25	5	0	102	80-120	0						
Barium	5.125	0.25	5	0	103	80-120	0						
Cadmium	4.927	0.50	5	0	98.5	80-120	0						
Chromium	5.582	0.25	5	0	112	80-120	0						
Copper	5.377	0.50	5	0	108	80-120	0						
Lead	5.303	0.25	5	0	106	80-120	0						
Nickel	5.374	0.25	5	0	107	80-120	0						
Selenium	5.351	0.50	5	0	107	80-120	0						
Silver	5.274	0.25	5	0	105	80-120	0						
Zinc	5.275	0.50	5	0	105	80-120	0						

MS				Sample ID: 1510326-02AMS			Units: mg/Kg		Analysis Date: 10/8/2015 06:48 PM		
Client ID: Nolte Landfarm West			Run ID: ICP2_151008A			SeqNo: 3499673		Prep Date: 10/8/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.9	0.38	7.519	6.04	105	75-125	0				
Barium	365.9	0.38	7.519	453.8	-1170	75-125	0			SO	
Cadmium	7.396	0.75	7.519	0.4765	92	75-125	0				
Chromium	22.83	0.38	7.519	12.12	142	75-125	0			S	
Copper	20.11	0.75	7.519	12.97	94.9	75-125	0				
Lead	19.09	0.38	7.519	12.89	82.5	75-125	0				
Nickel	31.46	0.38	7.519	22.84	115	75-125	0				
Selenium	8.711	0.75	7.519	0.5799	108	75-125	0				
Silver	7.684	0.38	7.519	0.01004	102	75-125	0				
Zinc	70.98	0.75	7.519	59.59	152	75-125	0			SO	

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77156** Instrument ID **ICP2** Method: **SW846 6010C**

MSD				Sample ID: 1510326-02AMSD			Units: mg/Kg		Analysis Date: 10/8/2015 06:54 PM	
Client ID: Nolte Landfarm West				Run ID: ICP2_151008A			SeqNo: 3499674		Prep Date: 10/8/2015	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.68	0.38	7.519	6.04	102	75-125	13.9	1.56	20	
Barium	436.6	0.38	7.519	453.8	-229	75-125	365.9	17.6	20	SO
Cadmium	7.662	0.75	7.519	0.4765	95.6	75-125	7.396	3.52	20	
Chromium	22.73	0.38	7.519	12.12	141	75-125	22.83	0.429	20	S
Copper	20.09	0.75	7.519	12.97	94.7	75-125	20.11	0.0934	20	
Lead	19.33	0.38	7.519	12.89	85.7	75-125	19.09	1.22	20	
Nickel	31.16	0.38	7.519	22.84	111	75-125	31.46	0.967	20	
Selenium	8.747	0.75	7.519	0.5799	109	75-125	8.711	0.408	20	
Silver	7.815	0.38	7.519	0.01004	104	75-125	7.684	1.7	20	
Zinc	71.23	0.75	7.519	59.59	155	75-125	70.98	0.352	20	SO

The following samples were analyzed in this batch:

1510326-01A 1510326-02A

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77137**      Instrument ID **SVMS5**      Method: **SW846 8270D**

MBLK				Sample ID: <b>SBLKS1-77137-77137</b>				Units: <b>µg/Kg</b>			Analysis Date: <b>10/8/2015 08:50 PM</b>		
Client ID:			Run ID: <b>SVMS5_151008A</b>				SeqNo: <b>3499754</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>		
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	1325	0	1667	0	79.5	12-100	0						
Surr: 4-Terphenyl-d14	1560	0	1667	0	93.6	25-137	0						
Surr: Nitrobenzene-d5	1352	0	1667	0	81.1	37-107	0						

LCS				Sample ID: <b>SLCSS1-77137-77137</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>10/8/2015 09:13 PM</b>		
Client ID:			Run ID: <b>SVMS5_151008A</b>			SeqNo: <b>3499755</b>		Prep Date: <b>10/8/2015</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	590.7	6.7	666.7	0	88.6	45-110	0				
Anthracene	649.3	6.7	666.7	0	97.4	55-105	0				
Benzo(a)anthracene	665	6.7	666.7	0	99.7	50-110	0				
Benzo(a)pyrene	673.7	6.7	666.7	0	101	50-110	0				
Benzo(b)fluoranthene	672	6.7	666.7	0	101	45-115	0				
Benzo(k)fluoranthene	672.7	6.7	666.7	0	101	45-115	0				
Chrysene	654.3	6.7	666.7	0	98.1	55-110	0				
Dibenzo(a,h)anthracene	635	6.7	666.7	0	95.2	40-125	0				
Fluoranthene	646.7	6.7	666.7	0	97	55-115	0				
Fluorene	602.3	6.7	666.7	0	90.3	50-110	0				
Indeno(1,2,3-cd)pyrene	640.7	6.7	666.7	0	96.1	40-120	0				
Naphthalene	556.3	6.7	666.7	0	83.4	40-105	0				
Pyrene	662	6.7	666.7	0	99.3	45-125	0				
Surr: 2-Fluorobiphenyl	1395	0	1667	0	83.7	12-100	0				
Surr: 4-Terphenyl-d14	1581	0	1667	0	94.9	25-137	0				
Surr: Nitrobenzene-d5	1386	0	1667	0	83.1	37-107	0				

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77137**      Instrument ID **SVMS5**      Method: **SW846 8270D**

MS				Sample ID: <b>1510423-01B MS</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>10/9/2015 02:24 AM</b>	
Client ID:				Run ID: <b>SVMS5_151008A</b>			SeqNo: <b>3499761</b>		Prep Date: <b>10/8/2015</b>	
									DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	552.3	6.6	655.9	0	84.2	45-110	0			
Anthracene	612.9	6.6	655.9	0	93.4	55-105	0			
Benzo(a)anthracene	616.6	6.6	655.9	8.12	92.8	50-110	0			
Benzo(a)pyrene	614.3	6.6	655.9	7.795	92.5	50-110	0			
Benzo(b)fluoranthene	623.4	6.6	655.9	10.07	93.5	45-115	0			
Benzo(k)fluoranthene	592.3	6.6	655.9	4.547	89.6	45-115	0			
Chrysene	607.7	6.6	655.9	8.769	91.3	55-110	0			
Dibenzo(a,h)anthracene	642.5	6.6	655.9	0	97.9	40-125	0			
Fluoranthene	600.8	6.6	655.9	6.171	90.7	55-115	0			
Fluorene	566.1	6.6	655.9	0	86.3	50-110	0			
Indeno(1,2,3-cd)pyrene	639.8	6.6	655.9	8.12	96.3	40-120	0			
Naphthalene	446	6.6	655.9	0	68	40-105	0			
Pyrene	619.8	6.6	655.9	11.69	92.7	45-125	0			
Surr: 2-Fluorobiphenyl	1270	0	1640	0	77.4	12-100	0			
Surr: 4-Terphenyl-d14	1447	0	1640	0	88.2	25-137	0			
Surr: Nitrobenzene-d5	1142	0	1640	0	69.6	37-107	0			

MSD				Sample ID: <b>1510423-01B MSD</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>10/9/2015 02:47 AM</b>	
Client ID:				Run ID: <b>SVMS5_151008A</b>			SeqNo: <b>3499762</b>		Prep Date: <b>10/8/2015</b>	
									DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	509	6.6	660.2	0	77.1	45-110	552.3	8.15	30	
Anthracene	539.7	6.6	660.2	0	81.7	55-105	612.9	12.7	30	
Benzo(a)anthracene	546.6	6.6	660.2	8.12	81.6	50-110	616.6	12	30	
Benzo(a)pyrene	540	6.6	660.2	7.795	80.6	50-110	614.3	12.9	30	
Benzo(b)fluoranthene	549	6.6	660.2	10.07	81.6	45-115	623.4	12.7	30	
Benzo(k)fluoranthene	516.3	6.6	660.2	4.547	77.5	45-115	592.3	13.7	30	
Chrysene	539.1	6.6	660.2	8.769	80.3	55-110	607.7	12	30	
Dibenzo(a,h)anthracene	529.8	6.6	660.2	0	80.2	40-125	642.5	19.2	30	
Fluoranthene	524.2	6.6	660.2	6.171	78.5	55-115	600.8	13.6	30	
Fluorene	522.5	6.6	660.2	0	79.1	50-110	566.1	7.99	30	
Indeno(1,2,3-cd)pyrene	562.5	6.6	660.2	8.12	84	40-120	639.8	12.9	30	
Naphthalene	356.8	6.6	660.2	0	54	40-105	446	22.2	30	
Pyrene	544.7	6.6	660.2	11.69	80.7	45-125	619.8	12.9	30	
Surr: 2-Fluorobiphenyl	1127	0	1651	0	68.3	12-100	1270	11.9	40	
Surr: 4-Terphenyl-d14	1311	0	1651	0	79.4	25-137	1447	9.85	40	
Surr: Nitrobenzene-d5	851.3	0	1651	0	51.6	37-107	1142	29.2	40	

The following samples were analyzed in this batch:

1510326-01A      1510326-02A

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

# QC BATCH REPORT

Batch ID: **77052**      Instrument ID **VMS7**      Method: **SW8260B**

MBLK				Sample ID: MBLK-77052-77052				Units: µg/Kg			Analysis Date: 10/6/2015 05:06 PM			
Client ID:				Run ID: VMS7_151006A				SeqNo: 3494883			Prep Date: 10/6/2015		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	24.5	60								J				
o-Xylene	ND	30												
Toluene	ND	30												
Xylenes, Total	24	90								J				
Surr: 1,2-Dichloroethane-d4	1014	0	1000	0	101	70-130	0							
Surr: 4-Bromofluorobenzene	993.5	0	1000	0	99.4	70-130	0							
Surr: Dibromofluoromethane	995	0	1000	0	99.5	70-130	0							
Surr: Toluene-d8	945.5	0	1000	0	94.6	70-130	0							

LCS				Sample ID: LCS-77052-77052			Units: µg/Kg		Analysis Date: 10/6/2015 03:26 PM		
Client ID:			Run ID: VMS7_151006A			SeqNo: 3494882		Prep Date: 10/6/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	980.5	30	1000	0	98	75-125	0				
Ethylbenzene	968.5	30	1000	0	96.8	75-125	0				
m,p-Xylene	1970	60	2000	0	98.5	80-125	0				
o-Xylene	941	30	1000	0	94.1	75-125	0				
Toluene	925.5	30	1000	0	92.6	70-125	0				
Xylenes, Total	2912	90	3000	0	97	75-125	0				
Surr: 1,2-Dichloroethane-d4	1008	0	1000	0	101	70-130	0				
Surr: 4-Bromofluorobenzene	1044	0	1000	0	104	70-130	0				
Surr: Dibromofluoromethane	1000	0	1000	0	100	70-130	0				
Surr: Toluene-d8	971.5	0	1000	0	97.2	70-130	0				

MS				Sample ID: 1510326-02A MS			Units: µg/Kg		Analysis Date: 10/13/2015 10:30 A		
Client ID: Nolte Landfarm West			Run ID: VMS6_151012A		SeqNo: 3505952		Prep Date: 10/6/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	999	30	1000	0	99.9	75-125	0				
Ethylbenzene	1023	30	1000	15.5	101	75-125	0				
m,p-Xylene	2372	60	2000	422.5	97.5	80-125	0				
o-Xylene	1056	30	1000	32.5	102	75-125	0				
Toluene	1002	30	1000	64.5	93.8	70-125	0				
Xylenes, Total	3428	90	3000	452	99.2	75-125	0				
Surr: 1,2-Dichloroethane-d4	1006	0	1000	0	101	70-130	0				
Surr: 4-Bromofluorobenzene	1016	0	1000	0	102	70-130	0				
Surr: Dibromofluoromethane	1010	0	1000	0	101	70-130	0				
Surr: Toluene-d8	1030	0	1000	0	103	70-130	0				

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

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77052**      Instrument ID **VMS7**      Method: **SW8260B**

MSD				Sample ID: 1510326-02A MSD			Units: µg/Kg		Analysis Date: 10/13/2015 10:56 A	
Client ID: Nolte Landfarm West				Run ID: VMS6_151012A			SeqNo: 3505953		Prep Date: 10/6/2015	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1068	30	1000	0	107	75-125	999	6.63	30	
Ethylbenzene	1096	30	1000	15.5	108	75-125	1023	6.94	30	
m,p-Xylene	2528	60	2000	422.5	105	80-125	2372	6.39	30	
o-Xylene	1146	30	1000	32.5	111	75-125	1056	8.13	30	
Toluene	1072	30	1000	64.5	101	70-125	1002	6.7	30	
Xylenes, Total	3674	90	3000	452	107	75-125	3428	6.93	30	
Surr: 1,2-Dichloroethane-d4	1008	0	1000	0	101	70-130	1006	0.248	30	
Surr: 4-Bromofluorobenzene	1048	0	1000	0	105	70-130	1016	3.1	30	
Surr: Dibromofluoromethane	1014	0	1000	0	101	70-130	1010	0.445	30	
Surr: Toluene-d8	1008	0	1000	0	101	70-130	1030	2.21	30	

The following samples were analyzed in this batch:

1510326-01A	1510326-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77055** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-77055-77055					Units: s.u.		Analysis Date: 10/6/2015 03:45 PM		
Client ID:		Run ID: WETCHEM_151006R				SeqNo: 3493617		Prep Date: 10/6/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

pH	3.96	0	4	0	99	90-110	0			
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DUP		Sample ID: 1510304-01A DUP				Units: s.u.		Analysis Date: 10/6/2015 03:45 PM		
Client ID:		Run ID: WETCHEM_151006R				SeqNo: 3493624		Prep Date: 10/6/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH	8.08	0	0	0	0	0-0	8.13	0.617	20	
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DUP				Sample ID: 1510322-01A DUP				Units: s.u.			Analysis Date: 10/6/2015 03:45 PM			
Client ID:				Run ID: WETCHEM_151006R				SeqNo: 3493626			Prep Date: 10/6/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				

pH	8.04	0	0	0	0	0-0	8.17	1.6	20	
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The following samples were analyzed in this batch:

1510326-01A	1510326-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **77102** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>1510326-02A DUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>10/8/2015 02:45 PM</b>		
Client ID: <b>Nolte Landfarm West</b>			Run ID: <b>WETCHEM_151008L</b>			SeqNo: <b>3497925</b>		Prep Date: <b>10/8/2015</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	12.63	0.050	0	0	0		12.37	2.08	50	

The following samples were analyzed in this batch:

1510326-01A	1510326-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

# QC BATCH REPORT

Batch ID: **77106** Instrument ID **WETCHEM** Method: **SW7196A**

<b>MBLK</b>		Sample ID: <b>MBLK-77106-77106</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495868</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 1.0

<b>LCS</b>		Sample ID: <b>LCS-77106-77106</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495867</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.67 1.0 5 0 93.4 80-120 0

<b>MS</b>		Sample ID: <b>1510326-02A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID: <b>Nolte Landfarm West</b>		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495863</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.3529 0.98 4.902 0 7.2 75-125 0 JS

<b>MS</b>		Sample ID: <b>1510326-02A MSI</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID: <b>Nolte Landfarm West</b>		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495865</b>		Prep Date: <b>10/6/2015</b>		DF: <b>100</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2685 100 2719 0 98.7 75-125 0

<b>MS</b>		Sample ID: <b>1508386-02A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495870</b>		Prep Date: <b>10/6/2015</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 142.5 9.8 4.902 132.7 198 75-125 0 SOH

<b>MS</b>		Sample ID: <b>1508386-02A MSI</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID:		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495872</b>		Prep Date: <b>10/6/2015</b>		DF: <b>100</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 3256 99 3059 132.7 102 75-125 0 H

<b>MSD</b>		Sample ID: <b>1510326-02A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>10/7/2015 03:30 PM</b>		
Client ID: <b>Nolte Landfarm West</b>		Run ID: <b>WETCHEM_151007U</b>				SeqNo: <b>3495864</b>		Prep Date: <b>10/6/2015</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.99 4.95 0 0 75-125 2685 0 20 S

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

Client: Caerus Oil and Gas LLC  
Work Order: 1510326  
Project: Project Nolte 14-43d Landfarm

QC BATCH REPORT

Batch ID: 77106 Instrument ID WETCHEM Method: SW7196A

MSD		Sample ID: 1508386-02A MSD				Units: mg/Kg		Analysis Date: 10/7/2015 03:30 PM		
Client ID:		Run ID: WETCHEM_151007U			SeqNo: 3495871		Prep Date: 10/6/2015		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	142.6	9.9	4.95	132.7	200	75-125	142.5	0.136	20	SOH

The following samples were analyzed in this batch:

1510326-01A	1510326-02A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 1510326  
**Project:** Project Nolte 14-43d Landfarm

## QC BATCH REPORT

Batch ID: **R173531** Instrument ID **MOIST** Method: **E160.3M**

<b>MBLK</b>		Sample ID: <b>WBLKS-R173531</b>				Units: % of sample		Analysis Date: <b>10/9/2015 01:54 PM</b>		
Client ID:		Run ID: <b>MOIST_151009C</b>				SeqNo: <b>3502199</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

<b>LCS</b>		Sample ID: <b>LCS-R173531</b>				Units: % of sample		Analysis Date: <b>10/9/2015 01:54 PM</b>		
Client ID:		Run ID: <b>MOIST_151009C</b>				SeqNo: <b>3502198</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.050 100 0 100 99.5-100.5 0

<b>DUP</b>		Sample ID: <b>1510325-02A DUP</b>				Units: % of sample		Analysis Date: <b>10/9/2015 01:54 PM</b>		
Client ID:		Run ID: <b>MOIST_151009C</b>				SeqNo: <b>3502156</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 10.61 0.050 0 0 0 10.73 1.12 20

<b>DUP</b>		Sample ID: <b>1510334-07A DUP</b>				Units: % of sample		Analysis Date: <b>10/9/2015 01:54 PM</b>		
Client ID:		Run ID: <b>MOIST_151009C</b>				SeqNo: <b>3502191</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 97.48 0.050 0 0 0 97.47 0.0103 20

The following samples were analyzed in this batch:

1510326-01A 1510326-02A

**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 202r8

WORKORDER #

1510326

PAGE

1 of 1

DISPOSAL

By Lab or Return

PROJECT NAME		Nolte Land Farm		SAMPLER		Tyler Rust		DATE		10/5/15		TURNAROUND		STD 5 Day	
PROJECT No.				SITE ID				TPH		GRO/DRO		BTEX		Table 810 PAHs	
PURCHASE ORDER				EDD FORMAT				Table 910 Metals		EC		PH		SAR	
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									
Sample Description		Sample Date		Sample Time		Matrix		# Solids		Pres.					
1 Nolte Land Farm East		10/5/15		1503		Soil		2		-		X X X X X X X			
2 Nolte Land Farm West		10/5/15		1518		Soil		2		-		X X X X X X X			

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

For metals or anions, please detail analytes below.

Comments:	GC PACKAGE (check below)	
	X	LEVEL II (Standard GC)
		LEVEL VI (Std GC + forms)
		LEVEL IV (Std GC + 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	TH
RELINQUISHED BY	Tyler Rust	10/5/15	1600
RECEIVED BY	[Signature]	10/5/15	1600
RELINQUISHED BY	[Signature]	10-5-15	1615
RECEIVED BY	Diane E. Shen	10/6/15	1430
RELINQUISHED BY			
RECEIVED BY			

ORIGIN ID: RILA (816) 298-1033  
NICK MARTINEZ  
ALS ENVIRONMENTAL PARACHUTE  
PARACHUTE SERVICE CENTER  
127 EAST 1ST ST  
PARACHUTE, CO 81635  
UNITED STATES US

SHP DATE: 05OCT15  
ACTWGT: 55.00 LB  
CAD: 22848401 NET 3870  
DIMS: 14x26x15 IN

BILL SENDER

TO **SAMPLE RECEIVING**  
**ALS ENVIRONMENTAL HOLLAND LAB**  
**3352 128TH AVE**

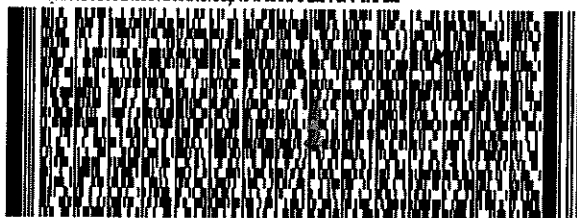
**HOLLAND MI 49424**

(816) 399-8070

REF: 100515-1

INV  
PO: PARACHUTE

DEPT:



FedEx  
Express



REL#  
3785346

TRK#  
0201

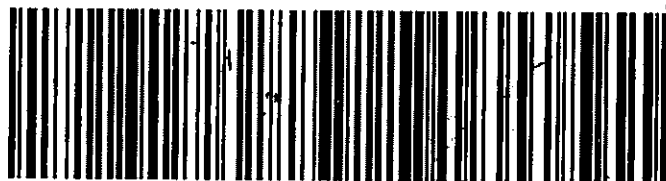
**7746 6949 7482**

**TUE - 06 OCT 10:30A**  
**PRIORITY OVERNIGHT**

**XX HLMA**

MI-US

**49424**  
**GRR**



539.03401A3100

**After printing this label:**

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

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ALS Parachute Custody Seal

Time 1800 Date 10-5-15

Name NA

Sample Receipt Checklist

Client Name: **CAERUS**

Date/Time Received: **06-Oct-15 14:30**

Work Order: **1510326**

Received by: **DS**

Checklist completed by Diane Shaw 06-Oct-15  
eSignature Date

Reviewed by: Lee Arnold 06-Oct-15  
eSignature Date

Matrices: **Soil**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.6/3.6 c</u> <u>SR2</u>		
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>10/6/2015 2:57:38 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



29-Feb-2016

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

Re: **Nolte 14-43 Landfarm**

Work Order: **16021151**

Dear Jake,

ALS Environmental received 2 samples on 24-Feb-2016 09:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 12.

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

## Report of Laboratory Analysis

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

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

Environmental

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

RIGHT SOLUTIONS RIGHT PARTNER

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**Client:** Caerus Oil and Gas LLC  
**Project:** Nolte 14-43 Landfarm  
**Work Order:** 16021151

**Work Order Sample Summary**

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
16021151-01	Nolte East	Soil		2/22/2016 09:07	2/24/2016 09:30	<input type="checkbox"/>
16021151-02	Nolte West	Soil		2/22/2016 09:25	2/24/2016 09:30	<input type="checkbox"/>

<b><u>Qualifier</u></b>	<b><u>Description</u></b>
*	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.

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

<b><u>Units Reported</u></b>	<b><u>Description</u></b>
% 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: 29-Feb-16

**Client:** Caerus Oil and Gas LLC  
**Project:** Nolte 14-43 Landfarm  
**Sample ID:** Nolte East  
**Collection Date:** 2/22/2016 09:07 AM

**Work Order:** 16021151  
**Lab ID:** 16021151-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>95</b>		<b>SW8015M</b>		Prep: SW3541 / 2/25/16	Analyst: <b>IT</b>
<i>Surr: 4-Terphenyl-d14</i>	<i>82.7</i>		<b>7.3</b>	<b>mg/Kg-dry</b>	<b>1</b>	2/26/2016 04:17 AM
			<b>39-133</b>	<b>%REC</b>	<b>1</b>	2/26/2016 04:17 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>450,000</b>		<b>SW8015D</b>		Prep: SW5035 / 2/25/16	Analyst: <b>IT</b>
<i>Surr: Toluene-d8</i>	<i>100</i>		<b>3,500</b>	<b>µg/Kg-dry</b>	<b>1</b>	2/26/2016 01:16 PM
			<b>50-150</b>	<b>%REC</b>	<b>1</b>	2/26/2016 01:16 PM
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>BL</b>
<b>Calcium</b>	<b>630</b>		<b>50</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:37 AM
<b>Magnesium</b>	<b>110</b>		<b>20</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:37 AM
<b>Sodium</b>	<b>1,500</b>		<b>20</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:37 AM
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>BL</b>
<b>Sodium Adsorption Ratio</b>	<b>15</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	2/29/2016
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>JB</b>
<b>Electrical Conductivity @ Saturation</b>	<b>11</b>		<b>0.050</b>	<b>mmhos/cm @2</b>	<b>10</b>	2/26/2016 11:30 AM
<b>MOISTURE</b>						
			<b>SW3550C</b>			Analyst: <b>ED</b>
<b>Moisture</b>	<b>16</b>		<b>0.050</b>	<b>% of sample</b>	<b>1</b>	2/25/2016 06:31 PM

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

# ALS Group USA, Corp

Date: 29-Feb-16

**Client:** Caerus Oil and Gas LLC  
**Project:** Nolte 14-43 Landfarm  
**Sample ID:** Nolte West  
**Collection Date:** 2/22/2016 09:25 AM

**Work Order:** 16021151  
**Lab ID:** 16021151-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>DIESEL RANGE ORGANICS BY GC-FID</b>						
<b>DRO (C10-C28)</b>	<b>91</b>		<b>SW8015M</b>		Prep: SW3541 / 2/25/16	Analyst: <b>IT</b>
			<b>7.4</b>	<b>mg/Kg-dry</b>	<b>1</b>	2/26/2016 04:47 AM
<i>Surr: 4-Terphenyl-d14</i>	<i>90.3</i>		<i>39-133</i>	<i>%REC</i>	<i>1</i>	2/26/2016 04:47 AM
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>						
<b>GRO (C6-C10)</b>	<b>75,000</b>		<b>SW8015D</b>		Prep: SW5035 / 2/25/16	Analyst: <b>IT</b>
			<b>3,700</b>	<b>µg/Kg-dry</b>	<b>1</b>	2/26/2016 01:41 PM
<i>Surr: Toluene-d8</i>	<i>100</i>		<i>50-150</i>	<i>%REC</i>	<i>1</i>	2/26/2016 01:41 PM
<b>SOLUBLE CATIONS FOR SAR</b>						
			<b>SW846 6010C</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>BL</b>
<b>Calcium</b>	<b>610</b>		<b>50</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:48 AM
<b>Magnesium</b>	<b>110</b>		<b>20</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:48 AM
<b>Sodium</b>	<b>1,600</b>		<b>20</b>	<b>mg/L</b>	<b>100</b>	2/29/2016 09:48 AM
<b>SODIUM ADSORPTION RATIO</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>BL</b>
<b>Sodium Adsorption Ratio</b>	<b>16</b>		<b>0.010</b>	<b>none</b>	<b>1</b>	2/29/2016
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>						
			<b>USDA H60 METHO</b>		Prep: USDA Method 20B / 2/26/16	Analyst: <b>JB</b>
<b>Electrical Conductivity @ Saturation</b>	<b>11</b>		<b>0.050</b>	<b>mmhos/cm @2</b>	<b>10</b>	2/26/2016 11:30 AM
<b>MOISTURE</b>						
			<b>SW3550C</b>			Analyst: <b>ED</b>
<b>Moisture</b>	<b>19</b>		<b>0.050</b>	<b>% of sample</b>	<b>1</b>	2/25/2016 06:31 PM

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

# ALS Group USA, Corp

Date: 29-Feb-16

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 16021151  
**Project:** Nolte 14-43 Landfarm

## QC BATCH REPORT

Batch ID: **82859** Instrument ID **GC8** Method: **SW8015M**

<b>MBLK</b>		Sample ID: <b>DBLKS1-82859-82859</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>2/26/2016 12:17 PM</b>		
Client ID:		Run ID: <b>GC8_160225B</b>				SeqNo: <b>3712926</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	ND	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.742	0	2	0	87.1	39-133	0			

<b>LCS</b>		Sample ID: <b>DLCSS1-82859-82859</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>2/26/2016 12:47 PM</b>		
Client ID:		Run ID: <b>GC8_160225B</b>				SeqNo: <b>3712927</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	173.3	5.0	200	0	86.7	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.473	0	2	0	73.7	39-133	0			

<b>MS</b>		Sample ID: <b>16021145-02B MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>2/26/2016 01:17 AM</b>		
Client ID:		Run ID: <b>GC8_160225B</b>				SeqNo: <b>3712918</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	2206	4.1	164.9	1975	140	48-110	0			SEO
<i>Surr: 4-Terphenyl-d14</i>	1.41	0	1.649	0	85.5	39-133	0			

<b>MSD</b>		Sample ID: <b>16021145-02B MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>2/26/2016 01:47 AM</b>		
Client ID:		Run ID: <b>GC8_160225B</b>				SeqNo: <b>3712919</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	2223	4.1	165.2	1975	150	48-110	2206	0.779	30	SEO
<i>Surr: 4-Terphenyl-d14</i>	1.468	0	1.652	0	88.9	39-133	1.41	3.99	30	

The following samples were analyzed in this batch:

16021151-01B	16021151-02B
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 16021151  
**Project:** Nolte 14-43 Landfarm

## QC BATCH REPORT

Batch ID: **82858** Instrument ID **GC10** Method: **SW8015D**

<b>MBLK</b>		Sample ID: <b>MBLK-82858-82858</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>2/25/2016 05:17 PM</b>		
Client ID:		Run ID: <b>GC10_160225A</b>				SeqNo: <b>3713183</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	ND	2,500								
Surr: Toluene-d8	4938	0	5000	0	98.8	50-150	0			

<b>LCS</b>		Sample ID: <b>LCS-82858-82858</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>2/25/2016 04:52 PM</b>		
Client ID:		Run ID: <b>GC10_160225A</b>				SeqNo: <b>3713182</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	540300	2,500	500000	0	108	70-130	0			
Surr: Toluene-d8	4798	0	5000	0	96	50-150	0			

<b>MS</b>		Sample ID: <b>16021148-01A MS</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>2/25/2016 08:22 PM</b>		
Client ID:		Run ID: <b>GC10_160225A</b>				SeqNo: <b>3713190</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	1056000	4,300	851400	132700	108	70-130	0			
Surr: Toluene-d8	8264	0	8514	0	97.1	50-150	0			

<b>MSD</b>		Sample ID: <b>16021148-01A MSD</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>2/25/2016 08:47 PM</b>		
Client ID:		Run ID: <b>GC10_160225A</b>				SeqNo: <b>3713192</b>		Prep Date: <b>2/25/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	1014000	4,300	851400	132700	104	70-130	1056000	4.03	30	
Surr: Toluene-d8	8108	0	8514	0	95.2	50-150	8264	1.9	30	

The following samples were analyzed in this batch:

16021151-01A	16021151-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Caerus Oil and Gas LLC  
**Work Order:** 16021151  
**Project:** Nolte 14-43 Landfarm

## QC BATCH REPORT

Batch ID: **82847** Instrument ID **SAR** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>16021151-01BDUP</b>				Units: <b>none</b>		Analysis Date: <b>2/29/2016</b>		
Client ID: <b>Nolte East</b>		Run ID: <b>SAR_160229A</b>				SeqNo: <b>3715380</b>		Prep Date: <b>2/26/2016</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	13.95	0.010	0	0	0		15.02	7.4	50	

The following samples were analyzed in this batch:

16021151-01B	16021151-02B
--------------	--------------

Batch ID: **82847** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>16021151-01B DUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>2/26/2016 11:30 AM</b>		
Client ID: <b>Nolte East</b>		Run ID: <b>WETCHEM_160226B</b>				SeqNo: <b>3713251</b>		Prep Date: <b>2/26/2016</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	10.81	0.050	0	0	0		10.78	0.278	50	

The following samples were analyzed in this batch:

16021151-01B	16021151-02B
--------------	--------------

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

Client: Caerus Oil and Gas LLC  
 Work Order: 16021151  
 Project: Nolte 14-43 Landfarm

## QC BATCH REPORT

Batch ID: **R182495** Instrument ID **MOIST** Method: **SW3550C**

MBLK				Sample ID: WBLKS-R182495				Units: % of sample			Analysis Date: 2/25/2016 06:31 PM			
Client ID:				Run ID: MOIST_160225C				SeqNo: 3713169			Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Moisture		0.03	0.050								J			

LCS		Sample ID: LCS-R182495				Units: % of sample		Analysis Date: 2/25/2016 06:31 PM		
Client ID:		Run ID: MOIST_160225C			SeqNo: 3713166		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: 16021148-01B DUP				Units: % of sample			Analysis Date: 2/25/2016 06:31 PM			
Client ID:				Run ID: MOIST_160225C				SeqNo: 3713144			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Moisture	26.82	0.050	0	0	0		26.03	2.99	20					

DUP				Sample ID: 16021151-02B DUP				Units: % of sample			Analysis Date: 2/25/2016 06:31 PM			
Client ID: Nolte West				Run ID: MOIST_160225C				SeqNo: 3713147			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Moisture	18.5	0.050	0	0	0		18.76	1.4	20					

The following samples were analyzed in this batch:

16021151-01B	16021151-02B
--------------	--------------

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



# ALS Laboratory Group

ALS Holland 3352 128th Ave, Holland MI  
855-572-1844 616-399-6070

## Chain-of-Custody

Form 202r6

WORKORDER #

16021151

PAGE

1 of 1

DISPOSAL

By Lab or Return to Client

PROJECT NAME Nolte 14-43 Landfarm

SAMPLER

Tyler Rust

DATE

2/22/16

TURNAROUND

570 5 Day

PROJECT No.

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

970-285-9608

PHONE

970-285-9608

FAX

FAX

E-MAIL

jjanicek@caerusoilandgas.com

E-MAIL

invoices@caerusoilandgas.com

Lab ID

Field ID

Matrix

Sample Date

Sample Time

# Bottles

Pres.

QC

TPH/GRO/DRO

BTEX

Table 910 PAH's

EC

PH

SAR

Benzene

1

Nolte East

Soil

2/22/16

9:09

2

=

-

X

X

X

2

Nolte West

Soil

2/22/16

9:25

2

-

-

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:

3.4°C

QC PACKAGE (check below)

X

LEVEL II (Standard QC)

LEVEL III (Std QC + formal)

LEVEL IV (Std QC + formal + 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

Tyler Rust

Tyler Rust

2/22/16

3:55

RECEIVED BY

[Signature]

[Signature]

2/22/16

3:55

RELINQUISHED BY

[Signature]

KEITH W. FERENC

2/24/16

0930

RECEIVED BY

[Signature]

[Signature]

RELINQUISHED BY

[Signature]

[Signature]

RECEIVED BY

[Signature]

[Signature]

ORIGIN ID: RULA (816) 298-1033  
 NICK MARTINEZ  
 ALS ENVIRONMENTAL PARACHUTE  
 PARACHUTE SERVICE CENTER  
 127 EAST 1ST ST  
 PARACHUTE, CO 81635  
 UNITED STATES US

SHIP DATE: 23 FEB 16  
 ACTWGT: 31.00 LB  
 CAD: 2284440/NET3730  
 DIMS: 11x16x17 IN  
 BILL SENDER

TO **SAMPLE RECEIVING**  
**ALS ENVIRONMENTAL HOLLAND LAB**  
**3352 128TH AVE**

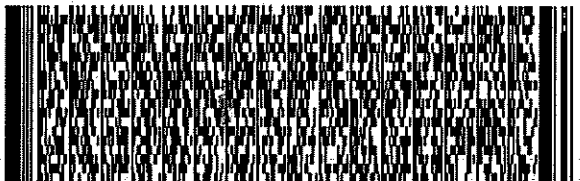
**HOLLAND MI 49424**

(816) 398-6070

REF 022316-2

PO: PARACHUTE

DEPT:



FedEx Express



3785346

TRK# 0201

7757 1728 0792

WED - 24 FEB 10:30A  
 PRIORITY OVERNIGHT

**XX HLMA**

49424  
 MI-US GRR



540119707172F

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

CUST. SEAL	
Date: 2-23-16	Time: 1:00
Signature: [Signature]	Date: [Blank]

**ALS Environmental**  
 3982 128th Avenue  
 Holland, Michigan 49424  
 Tel: (816) 398-6070  
 Fax: (816) 398-6186

Sample Receipt Checklist

Client Name: **CAERUS**

Date/Time Received: **24-Feb-16 09:30**

Work Order: **16021151**

Received by: **KRW**

Checklist completed by Keith Wurenga  
eSignature

24-Feb-16  
Date

Reviewed by: Chad Whelton  
eSignature

24-Feb-16  
Date

Matrices: **Soil**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.4/3.4 C</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>2/24/2016 3:10:34 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

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Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: