



22-Jul-2016

Kris Rowe
HRL Compliance Solutions, Inc
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **Terra Energy - TR-24-28-597 - Landfarm**

Work Order: **1607803**

Dear Kris,

ALS Environmental received 2 samples on 15-Jul-2016 10:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 26.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager



Certificate No: MN 998501

Report of Laboratory Analysis

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

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Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Work Order: 1607803

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>
1607803-01	Landfarm - South End	Soil		7/14/2016 09:30	7/15/2016 10:00	<input type="checkbox"/>
1607803-02	Landfarm - North End	Soil		7/14/2016 09:15	7/15/2016 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Work Order: 1607803

Case Narrative

Batch 88733, Method ICP_6010_S, Samples 1607803-01A and -02A: The reporting limits for Selenium are elevated due to internal standard failure in the undiluted run.

Batch 88766, Method CR6_7196_S, Sample 1607803-01A 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.

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

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

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

ALS Group USA, Corp

Date: 22-Jul-16

Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Sample ID: Landfarm - South End
Collection Date: 7/14/2016 09:30 AM

Work Order: 1607803
Lab ID: 1607803-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3546 / 7/15/16	Analyst: IT
DRO (C10-C28)	1,000		10	mg/Kg-dry	1	7/16/2016 01:49 AM
<i>Surr: 4-Terphenyl-d14</i>	77.2		39-133	%REC	1	7/16/2016 01:49 AM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D		Prep: SW5035 / 7/15/16	Analyst: IT
GRO (C6-C10)	220		3.8	mg/Kg-dry	1	7/16/2016 03:15 AM
<i>Surr: Toluene-d8</i>	98.0		50-150	%REC	1	7/16/2016 03:15 AM
MERCURY BY CVAA			SW7471B		Prep: SW7471 / 7/20/16	Analyst: LR
Mercury	0.042		0.017	mg/Kg-dry	1	7/20/2016 04:56 PM
METALS ANALYSIS BY ICP			SW846 6010C		Prep: SW3050B / 7/18/16	Analyst: JEC
Arsenic	17		2.0	mg/Kg-dry	5	7/21/2016 12:16 PM
Barium	500		0.40	mg/Kg-dry	1	7/20/2016 04:05 PM
Cadmium	ND		0.81	mg/Kg-dry	1	7/20/2016 04:05 PM
Chromium	34		2.0	mg/Kg-dry	5	7/21/2016 12:16 PM
Copper	26		0.81	mg/Kg-dry	1	7/20/2016 04:05 PM
Lead	15		2.0	mg/Kg-dry	5	7/21/2016 12:16 PM
Nickel	31		0.40	mg/Kg-dry	1	7/20/2016 04:05 PM
Selenium	ND		4.0	mg/Kg-dry	5	7/21/2016 12:16 PM
Silver	ND		0.40	mg/Kg-dry	1	7/20/2016 04:05 PM
Zinc	77		4.0	mg/Kg-dry	5	7/21/2016 12:16 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 7/20/16	Analyst: JEC
Calcium	120		5.0	mg/L	10	7/21/2016 01:11 PM
Magnesium	26		2.0	mg/L	10	7/21/2016 01:11 PM
Sodium	600		2.0	mg/L	10	7/21/2016 01:11 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep: USDA Method 20B / 7/20/16	Analyst: JEC
Sodium Adsorption Ratio	13		0.010	none	1	7/21/2016
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D		Prep: SW3546 / 7/15/16	Analyst: RS
Acenaphthene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Anthracene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Benzo(a)anthracene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Benzo(a)pyrene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Benzo(b)fluoranthene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Benzo(k)fluoranthene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Chrysene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Dibenzo(a,h)anthracene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Fluoranthene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM

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

ALS Group USA, Corp

Date: 22-Jul-16

Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Sample ID: Landfarm - South End
Collection Date: 7/14/2016 09:30 AM

Work Order: 1607803
Lab ID: 1607803-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Indeno(1,2,3-cd)pyrene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Naphthalene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Pyrene	ND		0.017	mg/Kg-dry	1	7/18/2016 11:32 AM
Surr: 2-Fluorobiphenyl	71.2		12-100	%REC	1	7/18/2016 11:32 AM
Surr: 4-Terphenyl-d14	70.2		25-137	%REC	1	7/18/2016 11:32 AM
Surr: Nitrobenzene-d5	68.2		37-107	%REC	1	7/18/2016 11:32 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 7/15/16	Analyst: LSY
Benzene	ND		0.045	mg/Kg-dry	1	7/15/2016 10:27 PM
Ethylbenzene	0.055		0.045	mg/Kg-dry	1	7/15/2016 10:27 PM
m,p-Xylene	1.2		0.090	mg/Kg-dry	1	7/15/2016 10:27 PM
o-Xylene	0.26		0.045	mg/Kg-dry	1	7/15/2016 10:27 PM
Toluene	ND		0.045	mg/Kg-dry	1	7/15/2016 10:27 PM
Xylenes, Total	1.5		0.14	mg/Kg-dry	1	7/15/2016 10:27 PM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	7/15/2016 10:27 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	7/15/2016 10:27 PM
Surr: Dibromofluoromethane	91.8		70-130	%REC	1	7/15/2016 10:27 PM
Surr: Toluene-d8	98.8		70-130	%REC	1	7/15/2016 10:27 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep: USDA Method 20B / 7/20/16	Analyst: JB
Electrical Conductivity @ Saturation	4.0		0.050	mmhos/cm @2	10	7/20/2016 08:45 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	34		0.63	mg/Kg-dry	1	7/21/2016 06:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep: SW3060A / 7/18/16	Analyst: MB
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	7/19/2016 12:00 PM
MOISTURE			SW3550C			Analyst: EDL
Moisture	20		0.050	% of sample	1	7/16/2016 01:30 PM
PH			SW9045D		Prep: EXTRACT / 7/15/16	Analyst: EDL
pH	7.4			s.u.	1	7/15/2016 04:00 PM

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

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Date: 22-Jul-16

Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Sample ID: Landfarm - North End
Collection Date: 7/14/2016 09:15 AM

Work Order: 1607803
Lab ID: 1607803-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3546 / 7/15/16	Analyst: IT
DRO (C10-C28)	970		10	mg/Kg-dry	1	7/16/2016 02:19 AM
<i>Surr: 4-Terphenyl-d14</i>	<i>88.2</i>		<i>39-133</i>	<i>%REC</i>	1	7/16/2016 02:19 AM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D		Prep: SW5035 / 7/15/16	Analyst: IT
GRO (C6-C10)	120		3.7	mg/Kg-dry	1	7/16/2016 03:39 AM
<i>Surr: Toluene-d8</i>	<i>112</i>		<i>50-150</i>	<i>%REC</i>	1	7/16/2016 03:39 AM
MERCURY BY CVAA			SW7471B		Prep: SW7471 / 7/20/16	Analyst: LR
Mercury	0.039		0.016	mg/Kg-dry	1	7/20/2016 04:58 PM
METALS ANALYSIS BY ICP			SW846 6010C		Prep: SW3050B / 7/18/16	Analyst: JEC
Arsenic	13		2.3	mg/Kg-dry	5	7/21/2016 12:22 PM
Barium	490		0.46	mg/Kg-dry	1	7/20/2016 04:11 PM
Cadmium	ND		0.93	mg/Kg-dry	1	7/20/2016 04:11 PM
Chromium	32		2.3	mg/Kg-dry	5	7/21/2016 12:22 PM
Copper	27		0.93	mg/Kg-dry	1	7/20/2016 04:11 PM
Lead	14		2.3	mg/Kg-dry	5	7/21/2016 12:22 PM
Nickel	26		0.46	mg/Kg-dry	1	7/20/2016 04:11 PM
Selenium	ND		4.6	mg/Kg-dry	5	7/21/2016 12:22 PM
Silver	ND		0.46	mg/Kg-dry	1	7/20/2016 04:11 PM
Zinc	74		4.6	mg/Kg-dry	5	7/21/2016 12:22 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 7/20/16	Analyst: JEC
Calcium	160		5.0	mg/L	10	7/21/2016 01:17 PM
Magnesium	31		2.0	mg/L	10	7/21/2016 01:17 PM
Sodium	710		2.0	mg/L	10	7/21/2016 01:17 PM
SODIUM ADSORPTION RATIO			USDA H60 METHO		Prep: USDA Method 20B / 7/20/16	Analyst: JEC
Sodium Adsorption Ratio	14		0.010	none	1	7/21/2016
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D		Prep: SW3546 / 7/15/16	Analyst: RS
Acenaphthene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Anthracene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Benzo(a)anthracene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Benzo(a)pyrene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Benzo(b)fluoranthene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Benzo(k)fluoranthene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Chrysene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Dibenzo(a,h)anthracene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Fluoranthene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM

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

ALS Group USA, Corp

Date: 22-Jul-16

Client: HRL Compliance Solutions, Inc
Project: Terra Energy - TR-24-28-597 - Landfarm
Sample ID: Landfarm - North End
Collection Date: 7/14/2016 09:15 AM

Work Order: 1607803
Lab ID: 1607803-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	0.13		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Indeno(1,2,3-cd)pyrene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Naphthalene	0.11		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Pyrene	ND		0.016	mg/Kg-dry	1	7/18/2016 10:40 AM
Surr: 2-Fluorobiphenyl	72.1		12-100	%REC	1	7/18/2016 10:40 AM
Surr: 4-Terphenyl-d14	69.6		25-137	%REC	1	7/18/2016 10:40 AM
Surr: Nitrobenzene-d5	63.3		37-107	%REC	1	7/18/2016 10:40 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 7/15/16	Analyst: LSY
Benzene	ND		0.044	mg/Kg-dry	1	7/15/2016 10:53 PM
Ethylbenzene	ND		0.044	mg/Kg-dry	1	7/15/2016 10:53 PM
m,p-Xylene	ND		0.088	mg/Kg-dry	1	7/15/2016 10:53 PM
o-Xylene	ND		0.044	mg/Kg-dry	1	7/15/2016 10:53 PM
Toluene	ND		0.044	mg/Kg-dry	1	7/15/2016 10:53 PM
Xylenes, Total	ND		0.13	mg/Kg-dry	1	7/15/2016 10:53 PM
Surr: 1,2-Dichloroethane-d4	98.6		70-130	%REC	1	7/15/2016 10:53 PM
Surr: 4-Bromofluorobenzene	100		70-130	%REC	1	7/15/2016 10:53 PM
Surr: Dibromofluoromethane	86.1		70-130	%REC	1	7/15/2016 10:53 PM
Surr: Toluene-d8	97.8		70-130	%REC	1	7/15/2016 10:53 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHO		Prep: USDA Method 20B / 7/20/16	Analyst: JB
Electrical Conductivity @ Saturation	5.2		0.050	mmhos/cm @2	10	7/20/2016 08:45 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	32		0.62	mg/Kg-dry	1	7/21/2016 06:00 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep: SW3060A / 7/18/16	Analyst: MB
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/19/2016 12:00 PM
MOISTURE			SW3550C			Analyst: EDL
Moisture	19		0.050	% of sample	1	7/15/2016 12:29 PM
PH			SW9045D		Prep: EXTRACT / 7/15/16	Analyst: EDL
pH	7.7			s.u.	1	7/15/2016 04:00 PM

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88671** Instrument ID **GC8** Method: **SW8015M**

MBLK		Sample ID: DBLKS1-88671-88671				Units: mg/Kg		Analysis Date: 7/15/2016 11:49 PM		
Client ID:		Run ID: GC8_160715A		SeqNo: 3928781		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	8.3								
<i>Surr: 4-Terphenyl-d14</i>	2.463	0	3.333	0	73.9	39-133	0			

LCS		Sample ID: DLCSS1-88671-88671				Units: mg/Kg		Analysis Date: 7/16/2016 12:19 PM		
Client ID:		Run ID: GC8_160715A		SeqNo: 3928785		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	285.5	8.3	333.3	0	85.6	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	2.176	0	3.333	0	65.3	39-133	0			

MS		Sample ID: 1607803-01A MS				Units: mg/Kg		Analysis Date: 7/16/2016 12:49 PM		
Client ID: Landfarm - South End		Run ID: GC8_160715A		SeqNo: 3928786		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	1072	8.3	331.7	810.9	78.7	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	2.799	0	3.317	0	84.4	39-133	0			

MSD		Sample ID: 1607803-01A MSD				Units: mg/Kg		Analysis Date: 7/16/2016 01:19 AM		
Client ID: Landfarm - South End		Run ID: GC8_160715A		SeqNo: 3928782		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	1095	8.2	329	810.9	86.4	48-110	1072	2.14	30	
<i>Surr: 4-Terphenyl-d14</i>	2.706	0	3.29	0	82.3	39-133	2.799	3.36	30	

The following samples were analyzed in this batch:

1607803-01A	1607803-02A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88679** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-88679-88679				Units: µg/Kg-dry		Analysis Date: 7/16/2016 12:46 PM		
Client ID:		Run ID: GC9_160715A		SeqNo: 3928705		Prep Date: 7/15/2016		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								
<i>Surr: Toluene-d8</i>	5392	0	5000	0	108	50-150	0			

LCS		Sample ID: LCS-88679-88679				Units: µg/Kg-dry		Analysis Date: 7/16/2016 12:21 PM		
Client ID:		Run ID: GC9_160715A		SeqNo: 3928704		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	460300	2,500	500000	0	92.1	70-130	0			
<i>Surr: Toluene-d8</i>	5008	0	5000	0	100	50-150	0			

MS		Sample ID: 1607687-02A MS				Units: µg/Kg-dry		Analysis Date: 7/16/2016 02:00 AM		
Client ID:		Run ID: GC9_160715A		SeqNo: 3928696		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	571900	3,200	649400	0	88.1	70-130	0			
<i>Surr: Toluene-d8</i>	6463	0	6494	0	99.5	50-150	0			

MSD		Sample ID: 1607687-02A MSD				Units: µg/Kg-dry		Analysis Date: 7/16/2016 02:25 AM		
Client ID:		Run ID: GC9_160715A		SeqNo: 3928697		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	610100	3,200	649400	0	93.9	70-130	571900	6.47	30	
<i>Surr: Toluene-d8</i>	6577	0	6494	0	101	50-150	6463	1.74	30	

The following samples were analyzed in this batch: 1607803-01A 1607803-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88733** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK		Sample ID: MBLK-88733-88733				Units: mg/Kg		Analysis Date: 7/19/2016 06:40 PM		
Client ID:		Run ID: ICP2_160719B			SeqNo: 3931534		Prep Date: 7/18/2016		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	0.04106	0.25								J
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.04517	0.50								J

LCS		Sample ID: LCS-88733-88733				Units: mg/Kg		Analysis Date: 7/19/2016 06:46 PM		
Client ID:		Run ID: ICP2_160719B			SeqNo: 3931535		Prep Date: 7/18/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.28	0.25	5	0	106	80-120	0			
Barium	4.948	0.25	5	0	99	80-120	0			
Cadmium	5.339	0.50	5	0	107	80-120	0			
Chromium	5.468	0.25	5	0	109	80-120	0			
Copper	5.274	0.50	5	0	105	80-120	0			
Lead	5.276	0.25	5	0	106	80-120	0			
Nickel	5.204	0.25	5	0	104	80-120	0			
Selenium	4.928	0.50	5	0	98.6	80-120	0			
Silver	5.057	0.25	5	0	101	80-120	0			
Zinc	5.272	0.50	5	0	105	80-120	0			

MS		Sample ID: 1607687-05AMS				Units: mg/Kg		Analysis Date: 7/19/2016 07:57 PM		
Client ID:		Run ID: ICP2_160719B			SeqNo: 3931548		Prep Date: 7/18/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	18.41	0.40	7.924	9.438	113	75-125	0			
Barium	155.2	0.40	7.924	154.4	10	75-125	0			SO
Cadmium	9.653	0.79	7.924	0.2018	119	75-125	0			
Copper	21.39	0.79	7.924	13.91	94.4	75-125	0			
Lead	23.16	0.40	7.924	15.55	96.1	75-125	0			
Nickel	26.59	0.40	7.924	18.73	99.3	75-125	0			
Selenium	9.419	0.79	7.924	0.7277	110	75-125	0			
Silver	8.222	0.40	7.924	-0.054	104	75-125	0			
Zinc	89.49	0.79	7.924	82.73	85.3	75-125	0			O

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1607803
 Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88733** Instrument ID **ICP2** Method: **SW846 6010C**

MS		Sample ID: 1607687-05AMS				Units: mg/Kg		Analysis Date: 7/20/2016 01:59 PM		
Client ID:		Run ID: ICP2_160720A			SeqNo: 3934242		Prep Date: 7/18/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	24.45	0.40	7.924	11.81	159	75-125	0			S

MSD		Sample ID: 1607687-05AMSD				Units: mg/Kg		Analysis Date: 7/19/2016 08:03 PM		
Client ID:		Run ID: ICP2_160719B			SeqNo: 3931549		Prep Date: 7/18/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	18.42	0.40	7.937	9.438	113	75-125	18.41	0.0843	20	
Barium	180.9	0.40	7.937	154.4	334	75-125	155.2	15.3	20	SO
Cadmium	9.611	0.79	7.937	0.2018	119	75-125	9.653	0.431	20	
Copper	21.49	0.79	7.937	13.91	95.6	75-125	21.39	0.484	20	
Lead	22.86	0.40	7.937	15.55	92.2	75-125	23.16	1.28	20	
Nickel	26.41	0.40	7.937	18.73	96.8	75-125	26.59	0.698	20	
Selenium	9.263	0.79	7.937	0.7277	108	75-125	9.419	1.67	20	
Silver	8.282	0.40	7.937	-0.054	105	75-125	8.222	0.725	20	
Zinc	88.57	0.79	7.937	82.73	73.6	75-125	89.49	1.03	20	SO

MSD		Sample ID: 1607687-05AMSD				Units: mg/Kg		Analysis Date: 7/20/2016 02:05 PM		
Client ID:		Run ID: ICP2_160720A			SeqNo: 3934243		Prep Date: 7/18/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	24.6	0.40	7.937	11.81	161	75-125	24.45	0.645	20	S

The following samples were analyzed in this batch: 1607803-01A 1607803-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88771** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 1607946-01ADUP				Units: mg/L		Analysis Date: 7/21/2016 01:28 PM		
Client ID:		Run ID: ICP2_160721A			SeqNo: 3935335		Prep Date: 7/20/2016		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	127.8	5.0	0	0	0	0-0	129.5	1.34		
Magnesium	19.81	2.0	0	0	0	0-0	20.3	2.45		
Sodium	29.85	2.0	0	0	0	0-0	30.27	1.38		

DUP		Sample ID: 1607946-01ADUP				Units: none		Analysis Date: 7/21/2016		
Client ID:		Run ID: SAR_160721A			SeqNo: 3935481		Prep Date: 7/20/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.6491	0.010	0	0	0		0.653	0.597	50	

The following samples were analyzed in this batch: | 1607803-01A 1607803-02A |

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88670** Instrument ID **SVMS4** Method: **SW846 8270D**

MBLK		Sample ID: SBLKS1-88670-88670				Units: µg/Kg		Analysis Date: 7/18/2016 08:49 AM		
Client ID:		Run ID: SVMS4_160718A		SeqNo: 3927831		Prep Date: 7/15/2016		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								
<i>Surr: 2-Fluorobiphenyl</i>	1107	0	1667	0	66.4	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1185	0	1667	0	71.1	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1028	0	1667	0	61.7	37-107	0			

LCS		Sample ID: SLCSS1-88670-88670				Units: µg/Kg		Analysis Date: 7/18/2016 09:16 AM		
Client ID:		Run ID: SVMS4_160718A		SeqNo: 3927832		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	516	6.7	666.7	0	77.4	45-110	0			
Anthracene	607.7	6.7	666.7	0	91.1	55-105	0			
Benzo(a)anthracene	604.3	6.7	666.7	0	90.6	50-110	0			
Benzo(a)pyrene	656.7	6.7	666.7	0	98.5	50-110	0			
Benzo(b)fluoranthene	632	6.7	666.7	0	94.8	45-115	0			
Benzo(k)fluoranthene	648.3	6.7	666.7	0	97.2	45-115	0			
Chrysene	582	6.7	666.7	0	87.3	55-110	0			
Dibenzo(a,h)anthracene	634.7	6.7	666.7	0	95.2	40-125	0			
Fluoranthene	649.3	6.7	666.7	0	97.4	55-115	0			
Fluorene	564.7	6.7	666.7	0	84.7	50-110	0			
Indeno(1,2,3-cd)pyrene	669	6.7	666.7	0	100	40-120	0			
Naphthalene	527.3	6.7	666.7	0	79.1	40-105	0			
Pyrene	644.3	6.7	666.7	0	96.6	45-125	0			
<i>Surr: 2-Fluorobiphenyl</i>	1244	0	1667	0	74.6	12-100	0			
<i>Surr: 4-Terphenyl-d14</i>	1323	0	1667	0	79.4	25-137	0			
<i>Surr: Nitrobenzene-d5</i>	1194	0	1667	0	71.6	37-107	0			

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1607803
 Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88670** Instrument ID **SVMS4** Method: **SW846 8270D**

MS				Sample ID: 1607803-01A MS			Units: µg/Kg		Analysis Date: 7/18/2016 10:38 AM		
Client ID: Landfarm - South End				Run ID: SVMS4_160718A			SeqNo: 3928119		Prep Date: 7/15/2016		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	926.7	13	1324	0	70	45-110	0				
Anthracene	1137	13	1324	0	85.8	55-105	0				
Benzo(a)anthracene	1096	13	1324	0	82.8	50-110	0				
Benzo(a)pyrene	1191	13	1324	0	89.9	50-110	0				
Benzo(b)fluoranthene	1112	13	1324	0	84	45-115	0				
Benzo(k)fluoranthene	1099	13	1324	0	83	45-115	0				
Chrysene	1040	13	1324	0	78.5	55-110	0				
Dibenzo(a,h)anthracene	1122	13	1324	0	84.7	40-125	0				
Fluoranthene	1119	13	1324	0	84.5	55-115	0				
Fluorene	1123	13	1324	0	84.8	50-110	0				
Indeno(1,2,3-cd)pyrene	1235	13	1324	0	93.2	40-120	0				
Naphthalene	1066	13	1324	0	80.5	40-105	0				
Pyrene	1223	13	1324	0	92.4	45-125	0				
Surr: 2-Fluorobiphenyl	2145	0	3310	0	64.8	12-100	0				
Surr: 4-Terphenyl-d14	2378	0	3310	0	71.9	25-137	0				
Surr: Nitrobenzene-d5	2185	0	3310	0	66	37-107	0				

MSD				Sample ID: 1607803-01A MSD			Units: µg/Kg		Analysis Date: 7/18/2016 11:05 AM		
Client ID: Landfarm - South End				Run ID: SVMS4_160718A			SeqNo: 3928120		Prep Date: 7/15/2016		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	899.4	13	1278	0	70.4	45-110	926.7	2.99	30		
Anthracene	1060	13	1278	0	82.9	55-105	1137	7	30		
Benzo(a)anthracene	1019	13	1278	0	79.7	50-110	1096	7.31	30		
Benzo(a)pyrene	1101	13	1278	0	86.1	50-110	1191	7.88	30		
Benzo(b)fluoranthene	1039	13	1278	0	81.3	45-115	1112	6.83	30		
Benzo(k)fluoranthene	1025	13	1278	0	80.2	45-115	1099	6.93	30		
Chrysene	958.8	13	1278	0	75	55-110	1040	8.12	30		
Dibenzo(a,h)anthracene	1053	13	1278	0	82.4	40-125	1122	6.37	30		
Fluoranthene	1070	13	1278	0	83.7	55-115	1119	4.51	30		
Fluorene	1124	13	1278	0	87.9	50-110	1123	0.0251	30		
Indeno(1,2,3-cd)pyrene	1127	13	1278	0	88.2	40-120	1235	9.07	30		
Naphthalene	1010	13	1278	0	79	40-105	1066	5.38	30		
Pyrene	1083	13	1278	0	84.7	45-125	1223	12.2	30		
Surr: 2-Fluorobiphenyl	2159	0	3194	0	67.6	12-100	2145	0.667	40		
Surr: 4-Terphenyl-d14	2211	0	3194	0	69.2	25-137	2378	7.3	40		
Surr: Nitrobenzene-d5	2276	0	3194	0	71.3	37-107	2185	4.07	40		

The following samples were analyzed in this batch: 1607803-01A 1607803-02A

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

Client: HRL Compliance Solutions, Inc
 Work Order: 1607803
 Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88688** Instrument ID **VMS7** Method: **SW8260B**

MBLK		Sample ID: MBLK-88688-88688				Units: µg/Kg-dry		Analysis Date: 7/18/2016 11:04 AM		
Client ID:		Run ID: VMS7_160718A		SeqNo: 3930176		Prep Date: 7/15/2016		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	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>964.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>96.4</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>991</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99.1</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>900.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>90</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>1010</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>			

LCS		Sample ID: LCS-88688-88688				Units: µg/Kg-dry		Analysis Date: 7/18/2016 09:22 AM		
Client ID:		Run ID: VMS7_160718A		SeqNo: 3930175		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1176	30	1000	0	118	75-125	0			
Ethylbenzene	1154	30	1000	0	115	75-125	0			
m,p-Xylene	2270	60	2000	0	113	80-125	0			
o-Xylene	1115	30	1000	0	112	75-125	0			
Toluene	1138	30	1000	0	114	70-125	0			
Xylenes, Total	3384	90	3000	0	113	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1003</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1016</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1017</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>990</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>99</i>	<i>70-130</i>	<i>0</i>			

MS		Sample ID: 1607764-01A MS				Units: µg/Kg-dry		Analysis Date: 7/17/2016 08:18 PM		
Client ID:		Run ID: VMS6_160716B		SeqNo: 3927886		Prep Date: 7/15/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1723	44	1469	0	117	75-125	0			
Ethylbenzene	1590	44	1469	0	108	75-125	0			
m,p-Xylene	3142	88	2938	0	107	80-125	0			
o-Xylene	1585	44	1469	0	108	75-125	0			
Toluene	1597	44	1469	0	109	70-125	0			
Xylenes, Total	4727	130	4407	0	107	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1531</i>	<i>0</i>	<i>1469</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1522</i>	<i>0</i>	<i>1469</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1465</i>	<i>0</i>	<i>1469</i>	<i>0</i>	<i>99.8</i>	<i>70-130</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>1402</i>	<i>0</i>	<i>1469</i>	<i>0</i>	<i>95.4</i>	<i>70-130</i>	<i>0</i>			

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88688** Instrument ID **VMS7** Method: **SW8260B**

MSD		Sample ID: 1607764-01A MSD				Units: µg/Kg-dry		Analysis Date: 7/17/2016 08:44 PM		
Client ID:		Run ID: VMS6_160716B			SeqNo: 3927887		Prep Date: 7/15/2016		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1756	44	1469	0	120	75-125	1723	1.9	30	
Ethylbenzene	1593	44	1469	0	108	75-125	1590	0.185	30	
m,p-Xylene	3178	88	2938	0	108	80-125	3142	1.14	30	
o-Xylene	1558	44	1469	0	106	75-125	1585	1.73	30	
Toluene	1601	44	1469	0	109	70-125	1597	0.276	30	
Xylenes, Total	4736	130	4407	0	107	75-125	4727	0.186	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	1543	0	1469	0	105	70-130	1531	0.765	30	
<i>Surr: 4-Bromofluorobenzene</i>	1496	0	1469	0	102	70-130	1522	1.7	30	
<i>Surr: Dibromofluoromethane</i>	1446	0	1469	0	98.4	70-130	1465	1.31	30	
<i>Surr: Toluene-d8</i>	1391	0	1469	0	94.6	70-130	1402	0.842	30	

The following samples were analyzed in this batch: 1607803-01A 1607803-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88669** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-88669-88669				Units: s.u.		Analysis Date: 7/15/2016 04:00 PM			
Client ID:		Run ID: WETCHEM_160715G		SeqNo: 3926038		Prep Date: 7/15/2016		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	3.99	0	4	0	99.8	90-110	0				

DUP		Sample ID: 1607704-01A DUP				Units: s.u.		Analysis Date: 7/15/2016 04:00 PM			
Client ID:		Run ID: WETCHEM_160715G		SeqNo: 3926047		Prep Date: 7/15/2016		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	5.52	0	0	0	0	0-0	5.7	3.21	20		

DUP		Sample ID: 1607803-02A DUP				Units: s.u.		Analysis Date: 7/15/2016 04:00 PM			
Client ID: Landfarm - North End		Run ID: WETCHEM_160715G		SeqNo: 3926050		Prep Date: 7/15/2016		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	7.71	0	0	0	0	0-0	7.71	0	20		

The following samples were analyzed in this batch: 1607803-01A 1607803-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88766** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-88766-88766				Units: mg/Kg		Analysis Date: 7/19/2016 12:00 PM		
Client ID:		Run ID: WETCHEM_160719F		SeqNo: 3930545		Prep Date: 7/18/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 0.99

LCS		Sample ID: LCS-88766-88766				Units: mg/Kg		Analysis Date: 7/19/2016 12:00 PM		
Client ID:		Run ID: WETCHEM_160719F		SeqNo: 3930544		Prep Date: 7/18/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.45 1.0 5 0 89 80-120 0

MS		Sample ID: 1607803-01A MS				Units: mg/Kg		Analysis Date: 7/19/2016 12:00 PM		
Client ID: Landfarm - South End		Run ID: WETCHEM_160719F		SeqNo: 3930533		Prep Date: 7/18/2016		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 5 0 0 75-125 0 S

MS		Sample ID: 1607803-01A MSI				Units: mg/Kg		Analysis Date: 7/19/2016 12:00 PM		
Client ID: Landfarm - South End		Run ID: WETCHEM_160719F		SeqNo: 3930535		Prep Date: 7/18/2016		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2718 99 2915 0 93.2 75-125 0

MSD		Sample ID: 1607803-01A MSD				Units: mg/Kg		Analysis Date: 7/19/2016 12:00 PM		
Client ID: Landfarm - South End		Run ID: WETCHEM_160719F		SeqNo: 3930534		Prep Date: 7/18/2016		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 0.97 1.0 5 0 19.4 75-125 0 0 20 JS

The following samples were analyzed in this batch:

1607803-01A	1607803-02A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **88771** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP		Sample ID: 1607946-01A DUP				Units: mmhos/cm @25°		Analysis Date: 7/20/2016 08:45 PM		
Client ID:		Run ID: WETCHEM_160720Q			SeqNo: 3933563		Prep Date: 7/20/2016		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.2	0.050	0	0	0		1.201	0.0833	50	

The following samples were analyzed in this batch:

1607803-01A	1607803-02A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **R191656** Instrument ID **MOIST** Method: **SW3550C**

MBLK	Sample ID: WBLKS-R191656				Units: % of sample			Analysis Date: 7/15/2016 12:29 PM		
Client ID:	Run ID: MOIST_160715A			SeqNo: 3926343		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-R191656				Units: % of sample			Analysis Date: 7/15/2016 12:29 PM		
Client ID:	Run ID: MOIST_160715A			SeqNo: 3926342		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: 1607803-02A DUP				Units: % of sample			Analysis Date: 7/15/2016 12:29 PM		
Client ID: Landfarm - North End	Run ID: MOIST_160715A			SeqNo: 3926341		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 20.3 0.050 0 0 0 19.33 4.9 20

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions, Inc
Work Order: 1607803
Project: Terra Energy - TR-24-28-597 - Landfarm

QC BATCH REPORT

Batch ID: **R191727** Instrument ID **MOIST** Method: **SW3550C**

MBLK	Sample ID: WBLKS-R191727		Units: % of sample		Analysis Date: 7/16/2016 01:30 PM					
Client ID:	Run ID: MOIST_160716A		SeqNo: 3928118		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-R191727		Units: % of sample		Analysis Date: 7/16/2016 01:30 PM					
Client ID:	Run ID: MOIST_160716A		SeqNo: 3928117		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: 1607910-01B DUP		Units: % of sample		Analysis Date: 7/16/2016 01:30 PM					
Client ID:	Run ID: MOIST_160716A		SeqNo: 3928104		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 13.67 0.050 0 0 0 13.4 1.99 20

DUP	Sample ID: 1607914-01A DUP		Units: % of sample		Analysis Date: 7/16/2016 01:30 PM					
Client ID:	Run ID: MOIST_160716A		SeqNo: 3928110		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 25.57 0.050 0 0 0 24.23 5.38 20

The following samples were analyzed in this batch: 1607803-01A

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



ALS Laboratory Group

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

Chain-of-Custody

Form 282r

WORKORDER #	1607803
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PROJECT NAME		Terra Energy -TR 24-28-597 - Landfarm		SAMPLER		Kris Rowe		DATE		7/11/2016		PAGE		1 of 2	
PROJECT No.				SITE ID		Trail Ridge 24-28-597 Pad		TURNAROUND		24 Rush		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL COMPLIANCE SOLUTIONS Inc.		BILL TO COMPANY		Terra Energy		DRO							
SEND REPORT TO		KRIS ROWE		INVOICE ATTN TO		Mike Gardner		GRO							
ADDRESS		2385 F 1/2		ADDRESS				BTEX							
CITY / STATE / ZIP		GRAND JUNCTION CO 81505		CITY / STATE / ZIP				910-1 Metals							
PHONE		970-243-3271		PHONE				Semi Vols - PAH							
FAX		970-243-3280		FAX				SAR / EC / pH							
E-MAIL		KROWE@HRLCOMP.COM		E-MAIL											
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC								
1	Landfarm - South End	S	7/14/2016	9:30	2			x	x	x	x	x	x		
2	Landfarm - North End	S	7/14/2016	9:15	2			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:	202	QC PACKAGE (check below)
24 HR Rush - DRO/GRO/BTEX/PAH Standard TAT - Metals SAR/EC/pH		<input type="checkbox"/> LEVEL II (Standard QC) <input type="checkbox"/> LEVEL III (Std QC + forms) <input type="checkbox"/> LEVEL IV (Std QC + forms + raw data)
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-6035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>[Signature]</i>	Kris Rowe	7/11/2016	
RECEIVED BY	<i>[Signature]</i>		7-14-16	1810
RELINQUISHED BY	<i>[Signature]</i>		7-14-16	1830
RECEIVED BY	<i>[Signature]</i>	Diare F. Sha	7/15/16	1000
RELINQUISHED BY				
RECEIVED BY				

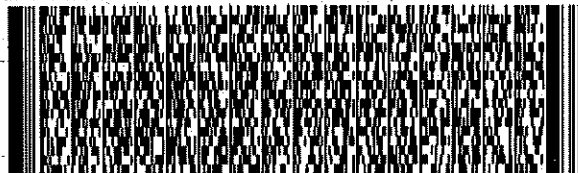
ORIGIN ID: RILA (616) 298-1033
NICK MARTINEZ
ALS ENVIRONMENTAL PARACHUTE
PARACHUTE SERVICE CENTER
127 EAST 1ST ST
PARACHUTE, CO 81635
UNITED STATES US

SHIP DATE: 14 JUL 16
ACTWGT: 52.00 LB
CAD: 2264840VNET3730
DIMS: 13.20x14 IN
BILL SENDER

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

540.115680727F

HOLLAND MI 49424
(616) 399-8078 REF: 071416-1
INV DEPT.
PO PARACHUTE



FedEx
Express



REL#
3785346

FRI - 15 JUL 10:30A
PRIORITY OVERNIGHT

TRK#
0201 **7767 5163 7409**

XX HLMA

49424
GRR
MI-US



After printing this label:

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

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServicesGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **15-Jul-16 10:00**

Work Order: **1607803**

Received by: **DS**

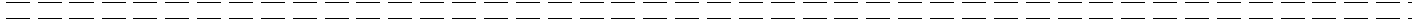
Checklist completed by Diane Shaw 15-Jul-16
eSignature Date

Reviewed by: Chad Whilton 15-Jul-16
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 type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>2.0/2.0 c</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>7/15/2016 11:22:16 AM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u></u>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction: