13-Feb-2018

Mike Gardner
Terra Energy Partners, LLC
1058 Country Rd 215
Parachute, CO 81635

Re: **Juhan 14-26 Booster Station** Work Order: **1802201**

Dear Mike,

ALS Environmental received 4 samples on 03-Feb-2018 10:30 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 industry accepted practices and Quality Control 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 28.

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

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Certificate No: MN 998501

ADDRESS 3352 128th Ave Holland, Michigan 49424 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

ALS Group, USA

Date: 13-Feb-18

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: **1802201**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1802201-01	Juhan 14-26: Pump West Side	Soil		2/2/2018 11:00	2/3/2018 10:30	☐
1802201-02	Juhan 14-26: Pump East Side	Soil		2/2/2018 11:00	2/3/2018 10:30	☐
1802201-03	Juhan 14-26: Ditch East Side	Soil		2/2/2018 11:00	2/3/2018 10:30	☐
1802201-04	Juhan 14-26: Terminus North	Soil		2/2/2018 11:00	2/3/2018 10:30	☐

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201

Case Narrative

Batch 113903, Method PNLVI_8270_S, Sample 1802201-02A MSD: The RPD between the MS and MSD was outside the control limit for Benzo(k)fluoranthene. The corresponding result in the parent sample should be considered estimated.

Batch 113904, Method DRLVI_8015_S, Sample 1802201-03A MSD: The RPD between the MS and MSD was outside the control limit for DRO. The corresponding result in the parent sample should be considered estimated.

Batch 114113, Method CR6_7196_S, Sample 1802201-01A MS/MSD: The MS/MSD recovery was below the lower control limit for Hexavalent Chromium. The corresponding result in the parent sample may be biased low.

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-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
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.

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

Units Reported	Description
% of sample	Percent of Sample
mg/Kg	Milligrams per Kilogram
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

Date: *13-Feb-18*

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201
Sample ID: Juhan 14-26: Pump West Side
Lab ID: 1802201-01
Collection Date: 2/2/2018 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 2/7/18 11:35		Analyst: **MEB**
DRO (C10-C28)	**7.2**		**5.6**	**mg/Kg-dry**	1	2/13/2018 12:58 PM
Surr: 4-Terphenyl-d14	*83.6*		*34-130*	*%REC*	1	2/13/2018 12:58 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 2/6/18 14:42		Analyst: **MEB**
GRO (C6-C10)	**9.5**		**6.4**	**mg/Kg**	1	2/8/2018 12:51 PM
Surr: Toluene-d8	*94.3*		*71-123*	*%REC*	1	2/8/2018 12:51 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 2/9/18 11:33		Analyst: **RSH**
Mercury	ND		0.018	mg/Kg-dry	1	2/12/2018 04:28 PM
METALS ANALYSIS BY ICP			**SW846 6010C**	Prep: SW3050B 2/6/18 12:46		Analyst: **RH**
Arsenic	**4.7**		**4.4**	**mg/Kg-dry**	10	2/8/2018 06:07 PM
Barium	**370**		**0.44**	**mg/Kg-dry**	1	2/7/2018 04:01 AM
Cadmium	ND		8.8	mg/Kg-dry	10	2/7/2018 11:14 PM
Chromium	**18**		**4.4**	**mg/Kg-dry**	10	2/7/2018 11:14 PM
Copper	**11**		**0.88**	**mg/Kg-dry**	1	2/7/2018 04:01 AM
Lead	**6.2**		**4.4**	**mg/Kg-dry**	10	2/7/2018 11:14 PM
Nickel	**12**		**4.4**	**mg/Kg-dry**	10	2/7/2018 11:14 PM
Selenium	**1.1**		**0.88**	**mg/Kg-dry**	1	2/7/2018 04:01 AM
Silver	ND		0.44	mg/Kg-dry	1	2/7/2018 04:01 AM
Zinc	**43**		**8.8**	**mg/Kg-dry**	10	2/7/2018 11:14 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Calcium	**200**		**5.0**	**mg/L**	10	2/8/2018 02:07 PM
Magnesium	**31**		**2.0**	**mg/L**	10	2/8/2018 02:07 PM
Sodium	**1,800**		**2.0**	**mg/L**	10	2/8/2018 02:07 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Sodium Adsorption Ratio	**31**		**0.010**	**none**	1	2/8/2018
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**	Prep: SW3546 2/7/18 11:35		Analyst: **RM**
Acenaphthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Benzo(a)anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Benzo(a)pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Benzo(b)fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Benzo(k)fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Chrysene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Dibenzo(a,h)anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM

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

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station **Work Order:** 1802201
Sample ID: Juhan 14-26: Pump West Side **Lab ID:** 1802201-01
Collection Date: 2/2/2018 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Indeno(1,2,3-cd)pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Naphthalene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:45 PM
Surr: 2-Fluorobiphenyl	*84.8*		*20-140*	*%REC*	1	2/8/2018 01:45 PM
Surr: 4-Terphenyl-d14	*94.2*		*22-172*	*%REC*	1	2/8/2018 01:45 PM
Surr: Nitrobenzene-d5	*109*		*28-140*	*%REC*	1	2/8/2018 01:45 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 2/6/18 13:00		Analyst: **WH**
Benzene	ND		0.038	mg/Kg	1	2/6/2018 08:32 PM
Ethylbenzene	ND		0.038	mg/Kg	1	2/6/2018 08:32 PM
m,p-Xylene	**0.16**		**0.076**	**mg/Kg**	1	2/6/2018 08:32 PM
o-Xylene	**0.057**		**0.038**	**mg/Kg**	1	2/6/2018 08:32 PM
Toluene	**0.073**		**0.038**	**mg/Kg**	1	2/6/2018 08:32 PM
Xylenes, Total	**0.22**		**0.11**	**mg/Kg**	1	2/6/2018 08:32 PM
Surr: 1,2-Dichloroethane-d4	*94.2*		*70-130*	*%REC*	1	2/6/2018 08:32 PM
Surr: 4-Bromofluorobenzene	*107*		*70-130*	*%REC*	1	2/6/2018 08:32 PM
Surr: Dibromofluoromethane	*86.7*		*70-130*	*%REC*	1	2/6/2018 08:32 PM
Surr: Toluene-d8	*101*		*70-130*	*%REC*	1	2/6/2018 08:32 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **ED**
Electrical Conductivity @ Saturation	**11**		**0.10**	**mmhos/cm @2**	20	2/9/2018 04:45 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**18**		**1.1**	**mg/Kg-dry**	1	2/12/2018 02:40 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 2/8/18 16:00		Analyst: **RP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	2/12/2018
MOISTURE			**SW3550C**			Analyst: **NW**
Moisture	**12**		**0.050**	**% of sample**	1	2/7/2018 06:15 PM
PH			**SW9045D**	Prep: EXTRACT 2/7/18 15:18		Analyst: **RZM**
pH	**8.94**		**0.100**	**s.u.**	1	2/7/2018 03:25 PM

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

ALS Group, USA

Date: *13-Feb-18*

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201
Sample ID: Juhan 14-26: Pump East Side
Lab ID: 1802201-02
Collection Date: 2/2/2018 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 2/7/18 11:35		Analyst: **MEB**
DRO (C10-C28)	**39**		**5.9**	**mg/Kg-dry**	1	2/13/2018 01:26 AM
Surr: 4-Terphenyl-d14	*65.1*		*34-130*	*%REC*	1	2/13/2018 01:26 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 2/6/18 14:42		Analyst: **MEB**
GRO (C6-C10)	**12**		**6.9**	**mg/Kg**	1	2/8/2018 01:20 PM
Surr: Toluene-d8	*98.5*		*71-123*	*%REC*	1	2/8/2018 01:20 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 2/9/18 11:33		Analyst: **RSH**
Mercury	ND		0.021	mg/Kg-dry	1	2/12/2018 04:31 PM
METALS ANALYSIS BY ICP			**SW846 6010C**	Prep: SW3050B 2/6/18 12:46		Analyst: **RH**
Arsenic	**7.3**		**4.7**	**mg/Kg-dry**	10	2/8/2018 06:13 PM
Barium	**730**		**0.47**	**mg/Kg-dry**	1	2/7/2018 04:08 AM
Cadmium	ND		9.4	mg/Kg-dry	10	2/7/2018 11:20 PM
Chromium	**14**		**4.7**	**mg/Kg-dry**	10	2/7/2018 11:20 PM
Copper	**16**		**0.94**	**mg/Kg-dry**	1	2/7/2018 04:08 AM
Lead	**7.6**		**4.7**	**mg/Kg-dry**	10	2/7/2018 11:20 PM
Nickel	**11**		**4.7**	**mg/Kg-dry**	10	2/7/2018 11:20 PM
Selenium	**1.0**		**0.94**	**mg/Kg-dry**	1	2/7/2018 04:08 AM
Silver	ND		0.47	mg/Kg-dry	1	2/7/2018 04:08 AM
Zinc	**42**		**9.4**	**mg/Kg-dry**	10	2/7/2018 11:20 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Calcium	**860**		**5.0**	**mg/L**	10	2/8/2018 02:09 PM
Magnesium	**180**		**2.0**	**mg/L**	10	2/8/2018 02:09 PM
Sodium	**3,400**		**20**	**mg/L**	100	2/8/2018 02:43 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Sodium Adsorption Ratio	**27**		**0.010**	**none**	1	2/8/2018
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**	Prep: SW3546 2/7/18 11:35		Analyst: **RM**
Acenaphthene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Anthracene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Benzo(a)anthracene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Benzo(a)pyrene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Benzo(b)fluoranthene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Benzo(k)fluoranthene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Chrysene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Dibenzo(a,h)anthracene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Fluoranthene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM

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

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station **Work Order:** 1802201
Sample ID: Juhan 14-26: Pump East Side **Lab ID:** 1802201-02
Collection Date: 2/2/2018 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Indeno(1,2,3-cd)pyrene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Naphthalene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Pyrene	ND		0.049	mg/Kg-dry	1	2/7/2018 09:11 PM
Surr: 2-Fluorobiphenyl	*60.3*		*20-140*	*%REC*	1	2/7/2018 09:11 PM
Surr: 4-Terphenyl-d14	*61.1*		*22-172*	*%REC*	1	2/7/2018 09:11 PM
Surr: Nitrobenzene-d5	*78.2*		*28-140*	*%REC*	1	2/7/2018 09:11 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 2/6/18 13:00		Analyst: **WH**
Benzene	ND		0.041	mg/Kg	1	2/6/2018 08:48 PM
Ethylbenzene	ND		0.041	mg/Kg	1	2/6/2018 08:48 PM
m,p-Xylene	**0.19**		**0.083**	**mg/Kg**	1	2/6/2018 08:48 PM
o-Xylene	**0.068**		**0.041**	**mg/Kg**	1	2/6/2018 08:48 PM
Toluene	**0.10**		**0.041**	**mg/Kg**	1	2/6/2018 08:48 PM
Xylenes, Total	**0.26**		**0.12**	**mg/Kg**	1	2/6/2018 08:48 PM
Surr: 1,2-Dichloroethane-d4	*95.6*		*70-130*	*%REC*	1	2/6/2018 08:48 PM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	2/6/2018 08:48 PM
Surr: Dibromofluoromethane	*86.7*		*70-130*	*%REC*	1	2/6/2018 08:48 PM
Surr: Toluene-d8	*98.4*		*70-130*	*%REC*	1	2/6/2018 08:48 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **ED**
Electrical Conductivity @ Saturation	**24**		**0.10**	**mmhos/cm @2**	20	2/9/2018 04:45 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**14**		**1.2**	**mg/Kg-dry**	1	2/12/2018 02:40 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 2/8/18 16:00		Analyst: **RP**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	2/12/2018
MOISTURE			**SW3550C**			Analyst: **NW**
Moisture	**16**		**0.050**	**% of sample**	1	2/7/2018 06:15 PM
PH			**SW9045D**	Prep: EXTRACT 2/7/18 15:18		Analyst: **RZM**
pH	**8.21**		**0.100**	**s.u.**	1	2/7/2018 03:25 PM

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

ALS Group, USA

Date: *13-Feb-18*

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201
Sample ID: Juhan 14-26: Ditch East Side
Lab ID: 1802201-03
Collection Date: 2/2/2018 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 2/7/18 11:35		Analyst: **MEB**
DRO (C10-C28)	**12**		**5.6**	**mg/Kg-dry**	1	2/12/2018 07:10 PM
Surr: 4-Terphenyl-d14	*45.5*		*34-130*	*%REC*	1	2/12/2018 07:10 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 2/6/18 14:42		Analyst: **MEB**
GRO (C6-C10)	ND		6.2	mg/Kg	1	2/8/2018 01:50 PM
Surr: Toluene-d8	*106*		*71-123*	*%REC*	1	2/8/2018 01:50 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 2/9/18 11:33		Analyst: **RSH**
Mercury	ND		0.021	mg/Kg-dry	1	2/12/2018 04:33 PM
METALS ANALYSIS BY ICP			**SW846 6010C**	Prep: SW3050B 2/6/18 12:46		Analyst: **RH**
Arsenic	**5.3**		**0.43**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Barium	**580**		**0.43**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Cadmium	ND		0.85	mg/Kg-dry	1	2/7/2018 04:15 AM
Chromium	**10**		**0.43**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Copper	**9.2**		**0.85**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Lead	**5.5**		**0.43**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Nickel	**8.1**		**0.43**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
Selenium	ND		0.85	mg/Kg-dry	1	2/7/2018 04:15 AM
Silver	ND		0.43	mg/Kg-dry	1	2/7/2018 04:15 AM
Zinc	**31**		**0.85**	**mg/Kg-dry**	1	2/7/2018 04:15 AM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Calcium	**230**		**5.0**	**mg/L**	10	2/8/2018 02:11 PM
Magnesium	**31**		**2.0**	**mg/L**	10	2/8/2018 02:11 PM
Sodium	**3,200**		**20**	**mg/L**	100	2/8/2018 02:45 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Sodium Adsorption Ratio	**52**		**0.010**	**none**	1	2/8/2018
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**	Prep: SW3546 2/7/18 11:35		Analyst: **RM**
Acenaphthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Benzo(a)anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Benzo(a)pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Benzo(b)fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Benzo(k)fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Chrysene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Dibenzo(a,h)anthracene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Fluoranthene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM

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

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station **Work Order:** 1802201
Sample ID: Juhan 14-26: Ditch East Side **Lab ID:** 1802201-03
Collection Date: 2/2/2018 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Indeno(1,2,3-cd)pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Naphthalene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Pyrene	ND		0.047	mg/Kg-dry	1	2/8/2018 01:59 PM
Surr: 2-Fluorobiphenyl	*30.8*		*20-140*	*%REC*	1	2/8/2018 01:59 PM
Surr: 4-Terphenyl-d14	*33.1*		*22-172*	*%REC*	1	2/8/2018 01:59 PM
Surr: Nitrobenzene-d5	*47.9*		*28-140*	*%REC*	1	2/8/2018 01:59 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 2/6/18 13:00		Analyst: **WH**
Benzene	ND		0.037	mg/Kg	1	2/6/2018 09:03 PM
Ethylbenzene	**0.21**		**0.037**	**mg/Kg**	1	2/6/2018 09:03 PM
m,p-Xylene	**0.31**		**0.075**	**mg/Kg**	1	2/6/2018 09:03 PM
o-Xylene	**0.088**		**0.037**	**mg/Kg**	1	2/6/2018 09:03 PM
Toluene	**0.12**		**0.037**	**mg/Kg**	1	2/6/2018 09:03 PM
Xylenes, Total	**0.40**		**0.11**	**mg/Kg**	1	2/6/2018 09:03 PM
Surr: 1,2-Dichloroethane-d4	*95.0*		*70-130*	*%REC*	1	2/6/2018 09:03 PM
Surr: 4-Bromofluorobenzene	*106*		*70-130*	*%REC*	1	2/6/2018 09:03 PM
Surr: Dibromofluoromethane	*86.3*		*70-130*	*%REC*	1	2/6/2018 09:03 PM
Surr: Toluene-d8	*98.8*		*70-130*	*%REC*	1	2/6/2018 09:03 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **ED**
Electrical Conductivity @ Saturation	**18**		**0.10**	**mmhos/cm @2**	20	2/9/2018 04:45 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**8.9**		**1.1**	**mg/Kg-dry**	1	2/12/2018 02:40 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 2/8/18 16:00		Analyst: **RP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	2/12/2018
MOISTURE			**SW3550C**			Analyst: **NW**
Moisture	**11**		**0.050**	**% of sample**	1	2/7/2018 06:15 PM
PH			**SW9045D**	Prep: EXTRACT 2/7/18 15:18		Analyst: **RZM**
pH	**9.02**		**0.100**	**s.u.**	1	2/7/2018 03:25 PM

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

ALS Group, USA

Date: *13-Feb-18*

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201
Sample ID: Juhan 14-26: Terminus North
Lab ID: 1802201-04
Collection Date: 2/2/2018 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015C**	Prep: SW3546 2/7/18 11:35		Analyst: **MEB**
DRO (C10-C28)	**10**		**6.3**	**mg/Kg-dry**	1	2/13/2018 01:55 AM
Surr: 4-Terphenyl-d14	*81.1*		*34-130*	*%REC*	1	2/13/2018 01:55 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 2/6/18 14:42		Analyst: **MEB**
GRO (C6-C10)	**11**		**7.8**	**mg/Kg**	1	2/8/2018 02:19 PM
Surr: Toluene-d8	*97.5*		*71-123*	*%REC*	1	2/8/2018 02:19 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 2/9/18 11:33		Analyst: **RSH**
Mercury	ND		0.023	mg/Kg-dry	1	2/12/2018 04:44 PM
METALS ANALYSIS BY ICP			**SW846 6010C**	Prep: SW3050B 2/6/18 12:46		Analyst: **RH**
Arsenic	**10**		**5.2**	**mg/Kg-dry**	10	2/8/2018 06:19 PM
Barium	**1,100**		**0.52**	**mg/Kg-dry**	1	2/7/2018 04:22 AM
Cadmium	ND		10	mg/Kg-dry	10	2/7/2018 11:27 PM
Chromium	**18**		**5.2**	**mg/Kg-dry**	10	2/7/2018 11:27 PM
Copper	**17**		**1.0**	**mg/Kg-dry**	1	2/7/2018 04:22 AM
Lead	**8.0**		**5.2**	**mg/Kg-dry**	10	2/7/2018 11:27 PM
Nickel	**15**		**5.2**	**mg/Kg-dry**	10	2/7/2018 11:27 PM
Selenium	**1.4**		**1.0**	**mg/Kg-dry**	1	2/7/2018 04:22 AM
Silver	ND		0.52	mg/Kg-dry	1	2/7/2018 04:22 AM
Zinc	**54**		**10**	**mg/Kg-dry**	10	2/7/2018 11:27 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Calcium	**300**		**5.0**	**mg/L**	10	2/8/2018 02:14 PM
Magnesium	**68**		**2.0**	**mg/L**	10	2/8/2018 02:14 PM
Sodium	**1,800**		**2.0**	**mg/L**	10	2/8/2018 02:14 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **RH**
Sodium Adsorption Ratio	**24**		**0.010**	**none**	1	2/8/2018
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW846 8270D**	Prep: SW3546 2/7/18 11:35		Analyst: **RM**
Acenaphthene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Anthracene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Benzo(a)anthracene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Benzo(a)pyrene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Benzo(b)fluoranthene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Benzo(k)fluoranthene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Chrysene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Dibenzo(a,h)anthracene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Fluoranthene	**0.077**		**0.052**	**mg/Kg-dry**	1	2/8/2018 02:13 PM

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

ALS Group, USA

Date: *13-Feb-18*

Client: Terra Energy Partners, LLC
Project: Juhan 14-26 Booster Station
Work Order: 1802201
Sample ID: Juhan 14-26: Terminus North
Lab ID: 1802201-04
Collection Date: 2/2/2018 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	**0.057**		**0.052**	**mg/Kg-dry**	1	2/8/2018 02:13 PM
Indeno(1,2,3-cd)pyrene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Naphthalene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Pyrene	ND		0.052	mg/Kg-dry	1	2/8/2018 02:13 PM
Surr: 2-Fluorobiphenyl	*79.9*		*20-140*	*%REC*	1	2/8/2018 02:13 PM
Surr: 4-Terphenyl-d14	*88.1*		*22-172*	*%REC*	1	2/8/2018 02:13 PM
Surr: Nitrobenzene-d5	*103*		*28-140*	*%REC*	1	2/8/2018 02:13 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: SW5035 2/6/18 13:00		Analyst: **WH**
Benzene	ND		0.047	mg/Kg	1	2/6/2018 09:19 PM
Ethylbenzene	**0.070**		**0.047**	**mg/Kg**	1	2/6/2018 09:19 PM
m,p-Xylene	**0.13**		**0.094**	**mg/Kg**	1	2/6/2018 09:19 PM
o-Xylene	ND		0.047	mg/Kg	1	2/6/2018 09:19 PM
Toluene	ND		0.047	mg/Kg	1	2/6/2018 09:19 PM
Xylenes, Total	ND		0.14	mg/Kg	1	2/6/2018 09:19 PM
Surr: 1,2-Dichloroethane-d4	*93.7*		*70-130*	*%REC*	1	2/6/2018 09:19 PM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	2/6/2018 09:19 PM
Surr: Dibromofluoromethane	*89.6*		*70-130*	*%REC*	1	2/6/2018 09:19 PM
Surr: Toluene-d8	*98.5*		*70-130*	*%REC*	1	2/6/2018 09:19 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 2/8/18 10:41		Analyst: **ED**
Electrical Conductivity @ Saturation	**12**		**0.10**	**mmhos/cm @2**	20	2/9/2018 04:45 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**17**		**1.3**	**mg/Kg-dry**	1	2/12/2018 02:40 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 2/8/18 16:00		Analyst: **RP**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	2/12/2018
MOISTURE			**SW3550C**			Analyst: **NW**
Moisture	**22**		**0.050**	**% of sample**	1	2/7/2018 06:15 PM
PH			**SW9045D**	Prep: EXTRACT 2/7/18 15:18		Analyst: **RZM**
pH	**8.29**		**0.100**	**s.u.**	1	2/7/2018 03:25 PM

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

ALS Group, USA

Date: 13-Feb-18

Client: Terra Energy Partners, LLC

Work Order: 1802201

Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113904** Instrument ID **GC8** Method: **SW8015C**

MBLK Sample ID: **DBLKS1-113904-113904** Units: **mg/Kg** Analysis Date: **2/12/2018 06:13 PM**

Client ID: Run ID: **GC8_180212B** SeqNo: **4889821** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
Surr: 4-Terphenyl-d14	*2.6*	0	*3.33*	0	*78.1*	*34-130*	0			

LCS Sample ID: **DLCSS1-113904-113904** Units: **mg/Kg** Analysis Date: **2/12/2018 06:42 PM**

Client ID: Run ID: **GC8_180212B** SeqNo: **4889822** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	614.3	5.0	666	0	92.2	65-122	0			
Surr: 4-Terphenyl-d14	*3.417*	0	*3.33*	0	*103*	*34-130*	0			

MS Sample ID: **1802201-03A MS** Units: **mg/Kg** Analysis Date: **2/12/2018 07:39 PM**

Client ID: **Juhan 14-26: Ditch East Side** Run ID: **GC8_180212B** SeqNo: **4889824** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	302.1	5.0	330.9	10.88	88	65-122	0			
Surr: 4-Terphenyl-d14	*3.179*	0	*3.309*	0	*96.1*	*34-130*	0			

MSD Sample ID: **1802201-03A MSD** Units: **mg/Kg** Analysis Date: **2/12/2018 08:08 PM**

Client ID: **Juhan 14-26: Ditch East Side** Run ID: **GC8_180212B** SeqNo: **4889825** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	177.9	4.9	326.1	10.88	51.2	65-122	302.1	51.7	30	SR
Surr: 4-Terphenyl-d14	*1.926*	0	*3.261*	0	*59.1*	*34-130*	3.179	*49.1*	*30*	*R*

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113873** Instrument ID **GC9** Method: **SW8015D**

MBLK	Sample ID: **MBLK-113873-113873**				Units: **µg/Kg-dry**			Analysis Date: **2/6/2018 07:36 PM**			
Client ID:		Run ID: **GC9_180206A**			SeqNo: **4881300**			Prep Date: **2/6/2018**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
GRO (C6-C10)	ND	5,000									
Surr: Toluene-d8	*4299*	0	*5000*	0	*86*	*71-123*	0				

LCS	Sample ID: **LCS-113873-113873**				Units: **µg/Kg-dry**			Analysis Date: **2/6/2018 06:08 PM**			
Client ID:		Run ID: **GC9_180206A**			SeqNo: **4881298**			Prep Date: **2/6/2018**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
GRO (C6-C10)	513100	5,000	500000	0	103	71-123	0				
Surr: Toluene-d8	*4268*	0	*5000*	0	*85.4*	*71-123*	0				

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **114048** Instrument ID **HG1** Method: **SW7471B**

MBLK Sample ID: **MBLK-114048-114048** Units: **mg/Kg** Analysis Date: **2/12/2018 03:24 PM**
Client ID: Run ID: **HG1_180212A** SeqNo: **4888354** Prep Date: **2/9/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00225	0.020								J

LCS Sample ID: **LCS-114048-114048** Units: **mg/Kg** Analysis Date: **2/12/2018 03:26 PM**
Client ID: Run ID: **HG1_180212A** SeqNo: **4888355** Prep Date: **2/9/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1942	0.020	0.1665	0	117	80-120	0			

MS Sample ID: **1802164-04BMS** Units: **mg/Kg** Analysis Date: **2/12/2018 04:10 PM**
Client ID: Run ID: **HG1_180212A** SeqNo: **4889069** Prep Date: **2/9/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.3038	0.018	0.1537	0.1201	120	75-125	0			

MSD Sample ID: **1802164-04BMSD** Units: **mg/Kg** Analysis Date: **2/12/2018 04:13 PM**
Client ID: Run ID: **HG1_180212A** SeqNo: **4889070** Prep Date: **2/9/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2869	0.018	0.1537	0.1201	109	75-125	0.3038	5.73	35	

The following samples were analyzed in this batch:

1802201-01A 1802201-02A 1802201-03A
1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113868** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK Sample ID: **MBLK-113868-113868** Units: **mg/Kg** Analysis Date: **2/7/2018 03:16 AM**
Client ID: Run ID: **ICP2_180206A** SeqNo: **4880759** Prep Date: **2/6/2018** 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	0.07	0.50								J
Chromium	0.0181	0.25								J
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	0.04355	0.50								J

LCS Sample ID: **LCS-113868-113868** Units: **mg/Kg** Analysis Date: **2/7/2018 03:42 AM**
Client ID: Run ID: **ICP2_180206A** SeqNo: **4880765** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.46	0.25	5	0	89.2	80-120	0			
Barium	4.337	0.25	5	0	86.7	80-120	0			
Cadmium	4.585	0.50	5	0	91.7	80-120	0			
Chromium	4.849	0.25	5	0	97	80-120	0			
Copper	4.595	0.50	5	0	91.9	80-120	0			
Lead	4.97	0.25	5	0	99.4	80-120	0			
Nickel	4.54	0.25	5	0	90.8	80-120	0			
Silver	4.15	0.25	5	0	83	80-120	0			
Zinc	4.785	0.50	5	0	95.7	80-120	0			

LCS Sample ID: **LCS-113868-113868** Units: **mg/Kg** Analysis Date: **2/7/2018 10:42 PM**
Client ID: Run ID: **ICP2_180207A** SeqNo: **4882756** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Selenium	4.497	0.50	5	0	89.9	80-120	0			

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113868** Instrument ID **ICP2** Method: **SW846 6010C**

MS Sample ID: **1802205-01AMS** Units: **mg/Kg** Analysis Date: **2/7/2018 05:14 AM**
Client ID: Run ID: **ICP2_180206A** SeqNo: **4880779** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.08	0.41	8.17	5.595	128	75-125	0			S
Barium	164.2	0.41	8.17	122.6	509	75-125	0			SO
Cadmium	8.848	0.82	8.17	1.223	93.3	75-125	0			
Chromium	14.15	0.41	8.17	7.92	76.3	75-125	0			
Copper	16.82	0.82	8.17	8.337	104	75-125	0			
Lead	16.05	0.41	8.17	9.852	75.9	75-125	0			
Nickel	15.1	0.41	8.17	6.688	103	75-125	0			
Selenium	7.966	0.82	8.17	0.4584	91.9	75-125	0			
Silver	7.247	0.41	8.17	-0.133	90.3	75-125	0			
Zinc	53.62	0.82	8.17	54.13	-6.23	75-125	0			SO

MSD Sample ID: **1802205-01AMSD** Units: **mg/Kg** Analysis Date: **2/7/2018 05:20 AM**
Client ID: Run ID: **ICP2_180206A** SeqNo: **4880780** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	15.44	0.41	8.197	5.595	120	75-125	16.08	4.02	20	
Barium	132.4	0.41	8.197	122.6	120	75-125	164.2	21.4	20	RO
Cadmium	9.08	0.82	8.197	1.223	95.8	75-125	8.848	2.59	20	
Chromium	15.04	0.41	8.197	7.92	86.8	75-125	14.15	6.09	20	
Copper	17.82	0.82	8.197	8.337	116	75-125	16.82	5.74	20	
Lead	19.29	0.41	8.197	9.852	115	75-125	16.05	18.3	20	
Nickel	15.71	0.41	8.197	6.688	110	75-125	15.1	4.01	20	
Selenium	7.934	0.82	8.197	0.4584	91.2	75-125	7.966	0.393	20	
Silver	7.295	0.41	8.197	-0.133	90.6	75-125	7.247	0.665	20	
Zinc	61.05	0.82	8.197	54.13	84.5	75-125	53.62	13	20	O

The following samples were analyzed in this batch:

1802201-01A 1802201-02A 1802201-03A
1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113987** Instrument ID **ICPMS3** Method: **SW6020A**

DUP Sample ID: **1802201-03ADUP** Units: **mg/L** Analysis Date: **2/8/2018 02:12 PM**
Client ID: **Juhan 14-26: Ditch East Side** Run ID: **ICPMS3_180208A** SeqNo: **4884417** Prep Date: **2/8/2018** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	300.7	5.0	0	0	0	0-0	225.4	28.6		
Magnesium	42.6	2.0	0	0	0	0-0	32.13	28		

DUP Sample ID: **1802201-03ADUP** Units: **mg/L** Analysis Date: **2/8/2018 02:46 PM**
Client ID: **Juhan 14-26: Ditch East Side** Run ID: **ICPMS3_180208A** SeqNo: **4884439** Prep Date: **2/8/2018** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	3698	20	0	0	0	0-0	3161	15.7		

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

Batch ID: **113987** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP Sample ID: **1802201-03ADUP** Units: **none** Analysis Date: **2/8/2018**
Client ID: **Juhan 14-26: Ditch East Side** Run ID: **SAR_180208A** SeqNo: **4885417** Prep Date: **2/8/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	52.88	0.010	0	0	0		52.13	1.42	50	

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113903** Instrument ID **SVMS6** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-113903-113903** Units: **µg/Kg** Analysis Date: **2/7/2018 07:47 PM**
Client ID: Run ID: **SVMS6_180207A** SeqNo: **4885275** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	42								
Anthracene	ND	42								
Benzo(a)anthracene	ND	42								
Benzo(a)pyrene	ND	42								
Benzo(b)fluoranthene	ND	42								
Benzo(k)fluoranthene	ND	42								
Chrysene	ND	42								
Dibenzo(a,h)anthracene	ND	42								
Fluoranthene	ND	42								
Fluorene	ND	42								
Indeno(1,2,3-cd)pyrene	ND	42								
Naphthalene	ND	42								
Pyrene	ND	42								
Surr: 2-Fluorobiphenyl	*2752*	0	*3333*	0	*82.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3297*	0	*3333*	0	*98.9*	*22-172*	0			
Surr: Nitrobenzene-d5	*3217*	0	*3333*	0	*96.5*	*28-140*	0			

LCS Sample ID: **SLCSS1-113903-113903** Units: **µg/Kg** Analysis Date: **2/7/2018 08:01 PM**
Client ID: Run ID: **SVMS6_180207A** SeqNo: **4885276** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1046	42	1333	0	78.4	40-140	0			
Anthracene	1144	42	1333	0	85.9	40-140	0			
Benzo(a)anthracene	1139	42	1333	0	85.5	40-140	0			
Benzo(a)pyrene	1191	42	1333	0	89.4	40-140	0			
Benzo(b)fluoranthene	1039	42	1333	0	77.9	40-140	0			
Benzo(k)fluoranthene	981.9	42	1333	0	73.7	40-140	0			
Chrysene	1013	42	1333	0	76	40-140	0			
Dibenzo(a,h)anthracene	1371	42	1333	0	103	40-140	0			
Fluoranthene	1143	42	1333	0	85.8	40-140	0			
Fluorene	1049	42	1333	0	78.7	40-140	0			
Indeno(1,2,3-cd)pyrene	1142	42	1333	0	85.7	40-140	0			
Naphthalene	973.7	42	1333	0	73	40-140	0			
Pyrene	1046	42	1333	0	78.4	40-140	0			
Surr: 2-Fluorobiphenyl	*2597*	0	*3333*	0	*77.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2861*	0	*3333*	0	*85.9*	*22-172*	0			
Surr: Nitrobenzene-d5	*3477*	0	*3333*	0	*104*	*28-140*	0			

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113903** Instrument ID **SVMS6** Method: **SW846 8270D**

MS Sample ID: **1802201-02A MS** Units: **µg/Kg** Analysis Date: **2/7/2018 08:43 PM**
Client ID: **Juhan 14-26: Pump East Side** Run ID: **SVMS6_180207A** SeqNo: **4885279** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1065	41	1320	0	80.7	40-140	0			
Anthracene	1152	41	1320	0	87.2	40-140	0			
Benzo(a)anthracene	1077	41	1320	0	81.6	40-140	0			
Benzo(a)pyrene	1232	41	1320	0	93.3	40-140	0			
Benzo(b)fluoranthene	1004	41	1320	0	76.1	40-140	0			
Benzo(k)fluoranthene	1092	41	1320	0	82.7	40-140	0			
Chrysene	989	41	1320	0	74.9	40-140	0			
Dibenzo(a,h)anthracene	1421	41	1320	0	108	40-140	0			
Fluoranthene	1115	41	1320	0	84.4	40-140	0			
Fluorene	1065	41	1320	0	80.6	40-140	0			
Indeno(1,2,3-cd)pyrene	1515	41	1320	0	115	40-140	0			
Naphthalene	1161	41	1320	0	87.9	40-140	0			
Pyrene	1081	41	1320	0	81.8	40-140	0			
Surr: 2-Fluorobiphenyl	*2614*	0	*3301*	0	*79.2*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2723*	0	*3301*	0	*82.5*	*22-172*	0			
Surr: Nitrobenzene-d5	*3632*	0	*3301*	0	*110*	*28-140*	0			

MSD Sample ID: **1802201-02A MSD** Units: **µg/Kg** Analysis Date: **2/7/2018 08:57 PM**
Client ID: **Juhan 14-26: Pump East Side** Run ID: **SVMS6_180207A** SeqNo: **4885280** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	943.7	40	1291	0	73.1	40-140	1065	12.1	30	
Anthracene	1026	40	1291	0	79.4	40-140	1152	11.6	30	
Benzo(a)anthracene	991.3	40	1291	0	76.8	40-140	1077	8.29	30	
Benzo(a)pyrene	929.4	40	1291	0	72	40-140	1232	28	30	
Benzo(b)fluoranthene	968	40	1291	0	75	40-140	1004	3.7	30	
Benzo(k)fluoranthene	806.9	40	1291	0	62.5	40-140	1092	30.1	30	R
Chrysene	867.5	40	1291	0	67.2	40-140	989	13.1	30	
Dibenzo(a,h)anthracene	1434	40	1291	0	111	40-140	1421	0.925	30	
Fluoranthene	978.6	40	1291	0	75.8	40-140	1115	13	30	
Fluorene	965.4	40	1291	0	74.7	40-140	1065	9.79	30	
Indeno(1,2,3-cd)pyrene	1492	40	1291	0	115	40-140	1515	1.57	30	
Naphthalene	986	40	1291	0	76.3	40-140	1161	16.3	30	
Pyrene	918.8	40	1291	0	71.1	40-140	1081	16.2	30	
Surr: 2-Fluorobiphenyl	*2424*	0	*3229*	0	*75.1*	*20-140*	2614	*7.54*	*0*	
Surr: 4-Terphenyl-d14	*2442*	0	*3229*	0	*75.6*	*22-172*	2723	*10.9*	*0*	
Surr: Nitrobenzene-d5	*3173*	0	*3229*	0	*98.3*	*28-140*	3632	*13.5*	*0*	

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113875** Instrument ID **VMS10** Method: **SW8260B**

MBLK Sample ID: **MBLK-113875-113875** Units: **µg/Kg-dry** Analysis Date: **2/6/2018 08:01 PM**
Client ID: Run ID: **VMS10_180206B** SeqNo: **4881491** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30	0	0	0	0-0	0			
Ethylbenzene	ND	30	0	0	0	0-0	0			
m,p-Xylene	ND	60	0	0	0	0-0	0			
o-Xylene	ND	30	0	0	0	0-0	0			
Toluene	ND	30	0	0	0	0-0	0			
Xylenes, Total	ND	90	0	0	0	0-0	0			
Surr: 1,2-Dichloroethane-d4	*942.5*	0	*1000*	0	*94.2*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1042*	0	*1000*	0	*104*	*70-130*	0			
Surr: Dibromofluoromethane	*879.5*	0	*1000*	0	*88*	*70-130*	0			
Surr: Toluene-d8	*979.5*	0	*1000*	0	*98*	*70-130*	0			

LCS Sample ID: **LCS-113875-113875** Units: **µg/Kg-dry** Analysis Date: **2/6/2018 07:14 PM**
Client ID: Run ID: **VMS10_180206B** SeqNo: **4881490** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1048	30	1000	0	105	75-125	0			
Ethylbenzene	961.5	30	1000	0	96.2	75-125	0			
m,p-Xylene	1926	60	2000	0	96.3	80-125	0			
o-Xylene	984	30	1000	0	98.4	75-125	0			
Toluene	1025	30	1000	0	102	70-125	0			
Xylenes, Total	2910	90	3000	0	97	75-125	0			
Surr: 1,2-Dichloroethane-d4	*948*	0	*1000*	0	*94.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1080*	0	*1000*	0	*108*	*70-130*	0			
Surr: Dibromofluoromethane	*950.5*	0	*1000*	0	*95*	*70-130*	0			
Surr: Toluene-d8	*1010*	0	*1000*	0	*101*	*70-130*	0			

MS Sample ID: **1802201-04A MS** Units: **µg/Kg-dry** Analysis Date: **2/7/2018 01:28 AM**
Client ID: **Juhan 14-26: Terminus North** Run ID: **VMS10_180206B** SeqNo: **4881504** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1615	47	1564	0	103	75-125	0			
Ethylbenzene	1484	47	1564	69.6	90.4	75-125	0			
m,p-Xylene	2987	94	3128	129.8	91.4	80-125	0			
o-Xylene	1509	47	1564	0	96.4	75-125	0			
Toluene	1592	47	1564	39.88	99.2	70-125	0			
Xylenes, Total	4496	140	4692	130	93	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1452*	0	*1564*	0	*92.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1716*	0	*1564*	0	*110*	*70-130*	0			
Surr: Dibromofluoromethane	*1382*	0	*1564*	0	*88.4*	*70-130*	0			
Surr: Toluene-d8	*1566*	0	*1564*	0	*100*	*70-130*	0			

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113875** Instrument ID **VMS10** Method: **SW8260B**

MSD Sample ID: **1802201-04A MSD** Units: **µg/Kg-dry** Analysis Date: **2/7/2018 01:43 AM**

Client ID: **Juhan 14-26: Terminus North** Run ID: **VMS10_180206B** SeqNo: **4881505** Prep Date: **2/6/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1619	47	1564	0	104	75-125	1615	0.242	30	
Ethylbenzene	1482	47	1564	69.6	90.3	75-125	1484	0.105	30	
m,p-Xylene	3008	94	3128	129.8	92	80-125	2987	0.678	30	
o-Xylene	1504	47	1564	0	96.2	75-125	1509	0.312	30	
Toluene	1598	47	1564	39.88	99.6	70-125	1592	0.343	30	
Xylenes, Total	4512	140	4692	130	93.4	75-125	4496	0.347	30	
Surr: 1,2-Dichloroethane-d4	*1440*	0	*1564*	0	*92*	*70-130*	1452	*0.865*	*30*	
Surr: 4-Bromofluorobenzene	*1718*	0	*1564*	0	*110*	*70-130*	1716	*0.137*	*30*	
Surr: Dibromofluoromethane	*1437*	0	*1564*	0	*91.8*	*70-130*	1382	*3.88*	*30*	
Surr: Toluene-d8	*1570*	0	*1564*	0	*100*	*70-130*	1566	*0.299*	*30*	

The following samples were analyzed in this batch: 1802201-01A 1802201-02A 1802201-03A 1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113949** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-113949-113949** Units: **s.u.** Analysis Date: **2/7/2018 03:25 PM**
Client ID: Run ID: **WETCHEM_180207G** SeqNo: **4881944** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.93	0.10	4	0	98.2	90-110	0			

DUP Sample ID: **18011554-04A DUP** Units: **s.u.** Analysis Date: **2/7/2018 03:25 PM**
Client ID: Run ID: **WETCHEM_180207G** SeqNo: **4881946** Prep Date: **2/7/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.93	0.10	0	0	0	0-0	7.83	1.27	20	

The following samples were analyzed in this batch:

1802201-01A 1802201-02A 1802201-03A
1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **113987** Instrument ID **Titrator 1** Method: **USDA H60 Metho**

DUP Sample ID: **1802201-03ADUP** Units: **mmhos/cm @25°** Analysis Date: **2/9/2018 04:45 PM**

Client ID: **Juhan 14-26: Ditch East Side** Run ID: **TITRATOR 1_180209A** SeqNo: **4885657** Prep Date: **2/8/2018** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	21.82	0.10	0	0	0		17.81	20.2	50	

The following samples were analyzed in this batch:

1802201-01A 1802201-02A 1802201-03A
1802201-04A

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **114113** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-114113-114113** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: Run ID: **WETCHEM_180212F** SeqNo: **4887596** Prep Date: **2/8/2018** DF: **1**

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

LCS Sample ID: **LCS-114113-114113** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: Run ID: **WETCHEM_180212F** SeqNo: **4887597** Prep Date: **2/8/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.19	1.0	5	0	83.8	80-120	0			

MS Sample ID: **1802201-01A MS** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: **Juhan 14-26: Pump West Side** Run ID: **WETCHEM_180212F** SeqNo: **4887601** Prep Date: **2/8/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	3.245	0.94	4.717	0.2	64.6	75-125	0			S

MS Sample ID: **1802201-01A MSI** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: **Juhan 14-26: Pump West Side** Run ID: **WETCHEM_180212F** SeqNo: **4887603** Prep Date: **2/8/2018** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1830	100	2139	0.2	85.5	75-125	0			

MSD Sample ID: **1802201-01A MSD** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: **Juhan 14-26: Pump West Side** Run ID: **WETCHEM_180212F** SeqNo: **4887602** Prep Date: **2/8/2018** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	3.44	1.0	5	0.2	64.8	75-125	3.245	5.83	20	S

DUP Sample ID: **18011554-02A DUP** Units: **mg/Kg** Analysis Date: **2/12/2018**
Client ID: Run ID: **WETCHEM_180212F** SeqNo: **4887599** Prep Date: **2/8/2018** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	165.2	5.0	0	0	0	0-0	154.5	6.66	20	

The following samples were analyzed in this batch:

1802201-01A	1802201-02A	1802201-03A
1802201-04A		

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

Client: Terra Energy Partners, LLC
Work Order: 1802201
Project: Juhan 14-26 Booster Station

QC BATCH REPORT

Batch ID: **R229602** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R229602** Units: **% of sample** Analysis Date: **2/7/2018 06:15 PM**
Client ID: Run ID: **MOIST_180207E** SeqNo: **4883286** 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-R229602** Units: **% of sample** Analysis Date: **2/7/2018 06:15 PM**
Client ID: Run ID: **MOIST_180207E** SeqNo: **4883285** 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: **1802105-01A DUP** Units: **% of sample** Analysis Date: **2/7/2018 06:15 PM**
Client ID: Run ID: **MOIST_180207E** SeqNo: **4883264** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	97.3	0.050	0	0	0	0-0	97.32	0.0206	10	

DUP Sample ID: **1802201-04A DUP** Units: **% of sample** Analysis Date: **2/7/2018 06:15 PM**
Client ID: **Juhan 14-26: Terminus North** Run ID: **MOIST_180207E** SeqNo: **4883274** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	22.6	0.050	0	0	0	0-0	22.45	0.666	10	

The following samples were analyzed in this batch:

1802201-01A	1802201-02A	1802201-03A
1802201-04A		

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

ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r6

WORKORDER # 1802201

		SAMPLER	M. Gardner	DATE	2/2/2018	PAGE	1 of 1
PROJECT NAME	Juhan 14-26 Booster Station	SITE ID	Juhan 14-26 Booster Station	TURNAROUND	5 day	DISPOSAL	By Lab or Return to Client
PROJECT No.		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	Terra Energy Partners	BILL TO COMPANY	Terra Energy Partners				
SEND REPORT TO	Mike Gardner	INVOICE ATTN TO	Mike Gardner / Dusty Richards				
ADDRESS		ADDRESS	1058 Co Rd 215				
CITY / STATE / ZIP		CITY / STATE / ZIP	Parachute CO 81635				
PHONE		PHONE	970-263-2760				
FAX		FAX					
E-MAIL	mgardner@terraep.com;	E-MAIL	mgardner@terraep.com; drichards@terraep.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	COGCC 910-1 (full list)	DRO + GRO Only	SAR + pH only	COGCC Arsenic Only
1	Juhan 14-26: Pump west side	Soil	2/2/2018	11:00	2			X			
2	Juhan 14-26: Pump east side	Soil	2/2/2018	11:00	2			X			
3	Juhan 14-26 : Ditch east side	Soil	2/2/2018	11:00	2			X			
4	Juhan 14-26: Terminus north	Soil	2/2/2018	11:00	2			X			

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

For metals or anions, please detail analytes below.

Comments:	QC PACKAGE (check below)	
Dusty: Bill this to the Juhan 14-26 Completions Facility (LOE). Kyle Kohl signature.	X	LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)
SR2 4.0°C		

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Mike Gardner	2/2/2018	1200
RECEIVED BY			2-2-18	1200
RELINQUISHED BY			2-2-18	1830
RECEIVED BY		Diane F. Sha	2/3/18	1030
RELINQUISHED BY				
RECEIVED BY				

ALS Group, USA

Sample Receipt Checklist

Client Name: **TERRAENERGY** Date/Time Received: **03-Feb-18 10:30**

Work Order: **1802201** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 05-Feb-18 (Date) Reviewed by: Chad Whitton (eSignature) 05-Feb-18 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.0/4.0 c	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	2/5/2018 12:36:19 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: