



04-Mar-2021

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

Re: **RMV 92-29 Produced Water Tank Leak**

Work Order: **21022012**

Dear Mike,

ALS Environmental received 4 samples on 26-Feb-2021 11:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland 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 31.

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

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

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

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Work Order: 21022012

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>
21022012-01	SL-1: Inside Berm - West Side	Soil		2/24/2021 14:00	2/26/2021 11:30	<input type="checkbox"/>
21022012-02	SL-2: Inside Berm - North Side	Soil		2/24/2021 14:00	2/26/2021 11:30	<input type="checkbox"/>
21022012-03	SL-3: Outside Berm - West Side	Soil		2/24/2021 14:00	2/26/2021 11:30	<input type="checkbox"/>
21022012-04	SL-4: Background	Soil		2/24/2021 14:00	2/26/2021 11:30	<input type="checkbox"/>

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Work Order: 21022012

Case Narrative

Batch 172722, Method SW6010D, Sample 21022012-04A MS/MSD: The MS/MSD recovery was below the lower control limit for arsenic. The corresponding result in the parent sample may be biased low for this analyte.

<u>Qualifier</u>	<u>Description</u>
*	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
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
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.

<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
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-1: Inside Berm - West Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
Method: SW8015D					Prep: SW3550 / 3/1/21		Analyst: JZB
ERO (C10-C36)	U		9.0	23	mg/Kg-dry	1	3/1/2021 15:58
Surr: 4-Terphenyl-d14	77.9			33-111	%REC	1	3/1/2021 15:58
GASOLINE RANGE ORGANICS BY GC-FID							
Method: SW8015D					Prep: SW5035 / 2/26/21		Analyst: JZB
GRO (C6-C10)	8,200		2,900	7,000	µg/Kg-dry	1	3/2/2021 12:01
Surr: Toluene-d8	92.5			71-123	%REC	1	3/2/2021 12:01
METALS BY ICP-MS							
Method: SW6020B					Prep: SW3050B / 3/1/21		Analyst: STP
Arsenic	8.7		0.058	0.48	mg/Kg-dry	1	3/1/2021 21:57
Barium	1,500		44	48	mg/Kg-dry	100	3/2/2021 17:17
Cadmium	0.50		0.029	0.19	mg/Kg-dry	1	3/1/2021 21:57
Chromium	7.8		0.21	0.48	mg/Kg-dry	1	3/1/2021 21:57
Copper	13		0.48	0.48	mg/Kg-dry	1	3/1/2021 21:57
Lead	12		0.19	0.39	mg/Kg-dry	1	3/3/2021 18:53
Nickel	13		0.25	0.48	mg/Kg-dry	1	3/1/2021 21:57
Selenium	U		0.44	0.48	mg/Kg-dry	1	3/1/2021 21:57
Silver	0.065	J	0.063	0.48	mg/Kg-dry	1	3/2/2021 17:22
Zinc	46		0.94	0.96	mg/Kg-dry	1	3/1/2021 21:57
SOLUBLE CATIONS FOR SAR							
Method: SW6020B					Prep: USDA Method 20B / 3/2/21		Analyst: STP
Calcium	150		2.5	5.0	mg/L	10	3/2/2021 17:38
Magnesium	22		0.50	2.0	mg/L	10	3/2/2021 17:38
Sodium	59		1.8	2.0	mg/L	10	3/2/2021 17:38
HOT WATER SOLUBLE BORON BY ICP-MS							
Method: SW6020B					Prep: EXTRACT / 3/1/21		Analyst: STP
Boron (Hot Water Soluble)	0.40		0.0019	0.048	mg/Kg-dry	1	3/1/2021 20:54
SODIUM ADSORPTION RATIO							
Method: USDA H60 METHOD 2					Prep: USDA Method 20B / 3/2/21		Analyst: DSC
Sodium Adsorption Ratio	1.2		0.010	0.010	none	1	3/2/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
Method: SW8270E					Prep: SW3546 / 3/1/21		Analyst: EEW
1-Methylnaphthalene	U		2.9	4.8	µg/Kg-dry	1	3/1/2021 18:12
2-Methylnaphthalene	U		3.4	4.8	µg/Kg-dry	1	3/1/2021 18:12
Acenaphthene	U		4.1	4.8	µg/Kg-dry	1	3/1/2021 18:12
Anthracene	U		4.4	4.8	µg/Kg-dry	1	3/1/2021 18:12
Benzo(a)anthracene	U		4.7	4.8	µg/Kg-dry	1	3/1/2021 18:12
Benzo(a)pyrene	U		3.9	4.8	µg/Kg-dry	1	3/1/2021 18:12
Benzo(b)fluoranthene	U		4.1	4.8	µg/Kg-dry	1	3/1/2021 18:12
Benzo(k)fluoranthene	U		3.9	4.8	µg/Kg-dry	1	3/1/2021 18:12
Chrysene	U		4.4	4.8	µg/Kg-dry	1	3/1/2021 18:12

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-1: Inside Berm - West Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		3.9	4.8	µg/Kg-dry	1	3/1/2021 18:12
Fluoranthene	U		3.8	4.8	µg/Kg-dry	1	3/1/2021 18:12
Fluorene	U		3.8	4.8	µg/Kg-dry	1	3/1/2021 18:12
Indeno(1,2,3-cd)pyrene	U		4.2	4.8	µg/Kg-dry	1	3/1/2021 18:12
Naphthalene	U		4.7	4.8	µg/Kg-dry	1	3/1/2021 18:12
Pyrene	U		4.6	4.8	µg/Kg-dry	1	3/1/2021 18:12
Surr: 2-Fluorobiphenyl	81.2			20-140	%REC	1	3/1/2021 18:12
Surr: 4-Terphenyl-d14	93.0			22-172	%REC	1	3/1/2021 18:12
Surr: Nitrobenzene-d5	78.3			28-140	%REC	1	3/1/2021 18:12
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 2/26/21		Analyst: MF
1,2,4-Trimethylbenzene	U		31	42	µg/Kg-dry	1	2/27/2021 01:40
1,3,5-Trimethylbenzene	U		49	140	µg/Kg-dry	1	2/27/2021 01:40
Benzene	U		20	42	µg/Kg-dry	1	2/27/2021 01:40
Ethylbenzene	U		8.8	42	µg/Kg-dry	1	2/27/2021 01:40
m,p-Xylene	U		56	84	µg/Kg-dry	1	2/27/2021 01:40
o-Xylene	U		16	42	µg/Kg-dry	1	2/27/2021 01:40
Toluene	U		11	42	µg/Kg-dry	1	2/27/2021 01:40
Xylenes, Total	U		56	130	µg/Kg-dry	1	2/27/2021 01:40
Surr: 1,2-Dichloroethane-d4	103			70-130	%REC	1	2/27/2021 01:40
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/27/2021 01:40
Surr: Dibromofluoromethane	102			70-130	%REC	1	2/27/2021 01:40
Surr: Toluene-d8	102			70-130	%REC	1	2/27/2021 01:40
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
Electrical Conductivity @ Saturation	1.2		0.011	0.10	mmhos/cm @25°	20	3/2/2021 15:32
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 2/27/21		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	3/2/2021 14:00
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	16		0.10	0.10	% of sample	1	3/1/2021 12:19
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
pH @ Saturation	8.67		0.12	0.12	s.u.-dry	1	3/2/2021 15:42

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-2: Inside Berm - North Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
Method: SW8015D					Prep: SW3550 / 3/1/21		Analyst: JZB
ERO (C10-C36)	U		9.2	24	mg/Kg-dry	1	3/1/2021 16:38
Surr: 4-Terphenyl-d14	82.8			33-111	%REC	1	3/1/2021 16:38
GASOLINE RANGE ORGANICS BY GC-FID							
Method: SW8015D					Prep: SW5035 / 2/26/21		Analyst: JZB
GRO (C6-C10)	8,200		3,200	7,600	µg/Kg-dry	1	3/2/2021 12:51
Surr: Toluene-d8	99.5			71-123	%REC	1	3/2/2021 12:51
METALS BY ICP-MS							
Method: SW6020B					Prep: SW3050B / 3/1/21		Analyst: STP
Arsenic	2.9		0.060	0.50	mg/Kg-dry	1	3/1/2021 21:59
Barium	130		0.46	0.50	mg/Kg-dry	1	3/1/2021 21:59
Cadmium	0.37		0.030	0.20	mg/Kg-dry	1	3/1/2021 21:59
Chromium	11		0.22	0.50	mg/Kg-dry	1	3/1/2021 21:59
Copper	18		0.50	0.50	mg/Kg-dry	1	3/1/2021 21:59
Lead	16		0.22	0.46	mg/Kg-dry	1	3/3/2021 18:55
Nickel	17		0.26	0.50	mg/Kg-dry	1	3/1/2021 21:59
Selenium	U		0.46	0.50	mg/Kg-dry	1	3/1/2021 21:59
Silver	U		0.066	0.50	mg/Kg-dry	1	3/2/2021 17:24
Zinc	63		0.98	1.0	mg/Kg-dry	1	3/1/2021 21:59
SOLUBLE CATIONS FOR SAR							
Method: SW6020B					Prep: USDA Method 20B / 3/2/21		Analyst: STP
Calcium	88		2.5	5.0	mg/L	10	3/2/2021 17:39
Magnesium	19		0.50	2.0	mg/L	10	3/2/2021 17:39
Sodium	310		1.8	2.0	mg/L	10	3/2/2021 17:39
HOT WATER SOLUBLE BORON BY ICP-MS							
Method: SW6020B					Prep: EXTRACT / 3/1/21		Analyst: STP
Boron (Hot Water Soluble)	0.57		0.0020	0.050	mg/Kg-dry	1	3/1/2021 20:55
SODIUM ADSORPTION RATIO							
Method: USDA H60 METHOD 2					Prep: USDA Method 20B / 3/2/21		Analyst: DSC
Sodium Adsorption Ratio	7.8		0.010	0.010	none	1	3/2/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
Method: SW8270E					Prep: SW3546 / 3/1/21		Analyst: EEW
1-Methylnaphthalene	U		3.0	5.1	µg/Kg-dry	1	3/1/2021 18:27
2-Methylnaphthalene	4.4	J	3.5	5.1	µg/Kg-dry	1	3/1/2021 18:27
Acenaphthene	U		4.3	5.1	µg/Kg-dry	1	3/1/2021 18:27
Anthracene	4.6	J	4.6	5.1	µg/Kg-dry	1	3/1/2021 18:27
Benzo(a)anthracene	U		4.9	5.1	µg/Kg-dry	1	3/1/2021 18:27
Benzo(a)pyrene	U		4.1	5.1	µg/Kg-dry	1	3/1/2021 18:27
Benzo(b)fluoranthene	U		4.3	5.1	µg/Kg-dry	1	3/1/2021 18:27
Benzo(k)fluoranthene	U		4.1	5.1	µg/Kg-dry	1	3/1/2021 18:27
Chrysene	U		4.7	5.1	µg/Kg-dry	1	3/1/2021 18:27

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-2: Inside Berm - North Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		4.1	5.1	µg/Kg-dry	1	3/1/2021 18:27
Fluoranthene	U		4.0	5.1	µg/Kg-dry	1	3/1/2021 18:27
Fluorene	7.3		4.0	5.1	µg/Kg-dry	1	3/1/2021 18:27
Indeno(1,2,3-cd)pyrene	U		4.4	5.1	µg/Kg-dry	1	3/1/2021 18:27
Naphthalene	U		4.9	5.1	µg/Kg-dry	1	3/1/2021 18:27
Pyrene	U		4.9	5.1	µg/Kg-dry	1	3/1/2021 18:27
Surr: 2-Fluorobiphenyl	83.4			20-140	%REC	1	3/1/2021 18:27
Surr: 4-Terphenyl-d14	72.8			22-172	%REC	1	3/1/2021 18:27
Surr: Nitrobenzene-d5	82.7			28-140	%REC	1	3/1/2021 18:27
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 2/26/21		Analyst: MF
1,2,4-Trimethylbenzene	U		34	46	µg/Kg-dry	1	2/27/2021 01:56
1,3,5-Trimethylbenzene	U		53	150	µg/Kg-dry	1	2/27/2021 01:56
Benzene	U		22	46	µg/Kg-dry	1	2/27/2021 01:56
Ethylbenzene	U		9.7	46	µg/Kg-dry	1	2/27/2021 01:56
m,p-Xylene	71	J	61	92	µg/Kg-dry	1	2/27/2021 01:56
o-Xylene	U		18	46	µg/Kg-dry	1	2/27/2021 01:56
Toluene	24	J	12	46	µg/Kg-dry	1	2/27/2021 01:56
Xylenes, Total	71	J	61	140	µg/Kg-dry	1	2/27/2021 01:56
Surr: 1,2-Dichloroethane-d4	102			70-130	%REC	1	2/27/2021 01:56
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/27/2021 01:56
Surr: Dibromofluoromethane	100			70-130	%REC	1	2/27/2021 01:56
Surr: Toluene-d8	102			70-130	%REC	1	2/27/2021 01:56
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
Electrical Conductivity @ Saturation	2.0		0.011	0.10	mmhos/cm @25°	20	3/2/2021 15:32
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 2/27/21		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	3/2/2021 14:00
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	20		0.10	0.10	% of sample	1	3/1/2021 12:19
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
pH @ Saturation	9.44		0.12	0.12	s.u.-dry	1	3/2/2021 15:42

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-3: Outside Berm - West Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 3/1/21		Analyst: JZB
ERO (C10-C36)	U		8.7	23	mg/Kg-dry	1	3/1/2021 17:17
Surr: 4-Terphenyl-d14	74.7			33-111	%REC	1	3/1/2021 17:17
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 2/26/21		Analyst: JZB
GRO (C6-C10)	7,600		2,600	6,300	µg/Kg-dry	1	3/2/2021 12:26
Surr: Toluene-d8	110			71-123	%REC	1	3/2/2021 12:26
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 3/1/21		Analyst: STP
Arsenic	10		0.049	0.41	mg/Kg-dry	1	3/1/2021 22:01
Barium	780		37	41	mg/Kg-dry	100	3/2/2021 17:19
Cadmium	0.40		0.024	0.16	mg/Kg-dry	1	3/1/2021 22:01
Chromium	7.7		0.18	0.41	mg/Kg-dry	1	3/1/2021 22:01
Copper	11		0.41	0.41	mg/Kg-dry	1	3/1/2021 22:01
Lead	14		0.19	0.40	mg/Kg-dry	1	3/3/2021 18:57
Nickel	11		0.21	0.41	mg/Kg-dry	1	3/1/2021 22:01
Selenium	0.41		0.37	0.41	mg/Kg-dry	1	3/1/2021 22:01
Silver	0.064	J	0.054	0.41	mg/Kg-dry	1	3/2/2021 17:26
Zinc	45		0.80	0.81	mg/Kg-dry	1	3/1/2021 22:01
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 3/2/21		Analyst: STP
Calcium	200		2.5	5.0	mg/L	10	3/2/2021 17:41
Magnesium	41		0.50	2.0	mg/L	10	3/2/2021 17:41
Sodium	93		1.8	2.0	mg/L	10	3/2/2021 17:41
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 3/1/21		Analyst: STP
Boron (Hot Water Soluble)	1.8		0.0019	0.047	mg/Kg-dry	1	3/1/2021 20:57
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 3/2/21		Analyst: DSC
Sodium Adsorption Ratio	1.6		0.010	0.010	none	1	3/2/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 3/1/21		Analyst: EEW
1-Methylnaphthalene	U		2.8	4.7	µg/Kg-dry	1	3/1/2021 18:43
2-Methylnaphthalene	U		3.3	4.7	µg/Kg-dry	1	3/1/2021 18:43
Acenaphthene	U		4.0	4.7	µg/Kg-dry	1	3/1/2021 18:43
Anthracene	U		4.3	4.7	µg/Kg-dry	1	3/1/2021 18:43
Benzo(a)anthracene	U		4.6	4.7	µg/Kg-dry	1	3/1/2021 18:43
Benzo(a)pyrene	U		3.8	4.7	µg/Kg-dry	1	3/1/2021 18:43
Benzo(b)fluoranthene	6.0		4.0	4.7	µg/Kg-dry	1	3/1/2021 18:43
Benzo(k)fluoranthene	U		3.9	4.7	µg/Kg-dry	1	3/1/2021 18:43
Chrysene	U		4.3	4.7	µg/Kg-dry	1	3/1/2021 18:43

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-3: Outside Berm - West Side
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		3.8	4.7	µg/Kg-dry	1	3/1/2021 18:43
Fluoranthene	5.8		3.7	4.7	µg/Kg-dry	1	3/1/2021 18:43
Fluorene	U		3.7	4.7	µg/Kg-dry	1	3/1/2021 18:43
Indeno(1,2,3-cd)pyrene	U		4.1	4.7	µg/Kg-dry	1	3/1/2021 18:43
Naphthalene	U		4.6	4.7	µg/Kg-dry	1	3/1/2021 18:43
Pyrene	U		4.5	4.7	µg/Kg-dry	1	3/1/2021 18:43
Surr: 2-Fluorobiphenyl	84.0			20-140	%REC	1	3/1/2021 18:43
Surr: 4-Terphenyl-d14	92.4			22-172	%REC	1	3/1/2021 18:43
Surr: Nitrobenzene-d5	76.6			28-140	%REC	1	3/1/2021 18:43
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 2/26/21		Analyst: MF
1,2,4-Trimethylbenzene	U		28	38	µg/Kg-dry	1	2/27/2021 02:12
1,3,5-Trimethylbenzene	U		44	130	µg/Kg-dry	1	2/27/2021 02:12
Benzene	U		18	38	µg/Kg-dry	1	2/27/2021 02:12
Ethylbenzene	U		7.9	38	µg/Kg-dry	1	2/27/2021 02:12
m,p-Xylene	U		50	75	µg/Kg-dry	1	2/27/2021 02:12
o-Xylene	U		15	38	µg/Kg-dry	1	2/27/2021 02:12
Toluene	U		10	38	µg/Kg-dry	1	2/27/2021 02:12
Xylenes, Total	U		50	110	µg/Kg-dry	1	2/27/2021 02:12
Surr: 1,2-Dichloroethane-d4	105			70-130	%REC	1	2/27/2021 02:12
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/27/2021 02:12
Surr: Dibromofluoromethane	99.5			70-130	%REC	1	2/27/2021 02:12
Surr: Toluene-d8	99.9			70-130	%REC	1	2/27/2021 02:12
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
Electrical Conductivity @ Saturation	1.6		0.011	0.10	mmhos/cm @25°	20	3/2/2021 15:32
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 2/27/21		Analyst: KTP
Chromium, Hexavalent	U		0.97	1.1	mg/Kg-dry	1	3/2/2021 14:00
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	14		0.10	0.10	% of sample	1	3/1/2021 12:19
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 3/2/21		Analyst: QTN
pH @ Saturation	8.78		0.12	0.12	s.u.-dry	1	3/2/2021 15:42

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

ALS Group, USA

Date: 04-Mar-21

Client: Terra Energy Partners, LLC
Project: RMV 92-29 Produced Water Tank Leak
Sample ID: SL-4: Background
Collection Date: 2/24/2021 02:00 PM

Work Order: 21022012
Lab ID: 21022012-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP							
Arsenic	13		0.12	0.47	mg/Kg-dry	1	3/2/2021 21:22
SOLUBLE CATIONS FOR SAR							
Calcium	670		2.5	5.0	mg/L	10	3/2/2021 17:42
Magnesium	100		0.50	2.0	mg/L	10	3/2/2021 17:42
Sodium	62		1.8	2.0	mg/L	10	3/2/2021 17:42
SODIUM ADSORPTION RATIO							
Sodium Adsorption Ratio	0.59		0.010	0.010	none	1	3/2/2021
ELECTRICAL CONDUCTIVITY (SAR)							
Electrical Conductivity @ Saturation	3.5		0.011	0.10	mmhos/cm @25°	20	3/2/2021 15:32
MOISTURE							
Moisture	20		0.10	0.10	% of sample	1	3/1/2021 12:19
PH MEASURED IN SOIL PASTE							
pH @ Saturation	9.12		0.13	0.13	s.u.-dry	1	3/2/2021 15:42

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

Client: Terra Energy Partners, LLC

QC BATCH REPORT

Work Order: 21022012

Project: RMV 92-29 Produced Water Tank Leak

Batch ID: 172716

Instrument ID GC8

Method: SW8015D

MBLK				Sample ID: DBLKS1-172716-172716		Units: mg/Kg		Analysis Date: 3/1/2021 01:21 PM		
Client ID:		Run ID: GC8_210301A		SeqNo: 7177612		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	U	20								
Surr: 4-Terphenyl-d14	2.323	0	3.33	0	69.7	33-111	0			

LCS				Sample ID: DLCSS1-172716-172716		Units: mg/Kg		Analysis Date: 3/1/2021 02:01 PM		
Client ID:		Run ID: GC8_210301A		SeqNo: 7177613		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	639.8	20	667	0	95.9	46-132	0			
Surr: 4-Terphenyl-d14	2.145	0	3.33	0	64.4	33-111	0			

MS				Sample ID: 21022085-01A MS		Units: mg/Kg		Analysis Date: 3/1/2021 02:40 PM		
Client ID:		Run ID: GC8_210301A		SeqNo: 7177614		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	717.6	20	650.4	50.55	103	46-132	0			
Surr: 4-Terphenyl-d14	2.288	0	3.247	0	70.5	33-111	0			

MSD				Sample ID: 21022085-01A MSD		Units: mg/Kg		Analysis Date: 3/1/2021 03:19 PM		
Client ID:		Run ID: GC8_210301A		SeqNo: 7177615		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	664.8	19	642.4	50.55	95.6	46-132	717.6	7.64	30	
Surr: 4-Terphenyl-d14	2.291	0	3.207	0	71.4	33-111	2.288	0.114	30	

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
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Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172676** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-172676-172676				Units: µg/Kg-dry		Analysis Date: 2/26/2021 11:49 PM		
Client ID:		Run ID: GC9_210226A				SeqNo: 7175442		Prep Date: 2/26/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	3434	5,000	0	0	0		0			J
<i>Surr: Toluene-d8</i>	<i>4510</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>90.2</i>	<i>71-123</i>	<i>0</i>			

LCS		Sample ID: LCS-172676-172676				Units: µg/Kg-dry		Analysis Date: 2/26/2021 11:24 PM		
Client ID:		Run ID: GC9_210226A				SeqNo: 7175430		Prep Date: 2/26/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	202700	5,000	250000	0	81.1	71-123	0			
<i>Surr: Toluene-d8</i>	<i>4694</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>93.9</i>	<i>71-123</i>	<i>0</i>			

MS		Sample ID: 21022014-01A MS				Units: µg/Kg-dry		Analysis Date: 3/2/2021 01:41 PM		
Client ID:		Run ID: GC9_210302A				SeqNo: 7180705		Prep Date: 2/26/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	676500	8,600	429800	377100	69.7	71-123	0			SHH
<i>Surr: Toluene-d8</i>	<i>8124</i>	<i>0</i>	<i>8597</i>	<i>0</i>	<i>94.5</i>	<i>71-123</i>	<i>0</i>			

MSD		Sample ID: 21022014-01A MSD				Units: µg/Kg-dry		Analysis Date: 3/2/2021 02:06 PM		
Client ID:		Run ID: GC9_210302A				SeqNo: 7180706		Prep Date: 2/26/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	873800	8,500	427000	377100	116	71-123	676500	25.5	30	HH
<i>Surr: Toluene-d8</i>	<i>8320</i>	<i>0</i>	<i>8540</i>	<i>0</i>	<i>97.4</i>	<i>71-123</i>	<i>8124</i>	<i>2.39</i>	<i>30</i>	

The following samples were analyzed in this batch:

21022012-01A 21022012-02A 21022012-03A

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172722** Instrument ID **ICP2** Method: **SW6010D**

MBLK		Sample ID: MBLK-172722-172722				Units: mg/Kg		Analysis Date: 3/2/2021 09:01 PM		
Client ID:		Run ID: ICP2_210302A				SeqNo: 7182740		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								

LCS		Sample ID: LCS-172722-172722				Units: mg/Kg		Analysis Date: 3/2/2021 09:06 PM		
Client ID:		Run ID: ICP2_210302A				SeqNo: 7182741		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.6	0.25	5	0	92	80-120	0			

MS		Sample ID: 21022012-04AMS				Units: mg/Kg		Analysis Date: 3/2/2021 09:27 PM		
Client ID: SL-4: Background		Run ID: ICP2_210302A				SeqNo: 7182745		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.13	0.36	7.153	10.56	21.9	75-125	0			S

MSD		Sample ID: 21022012-04AMSD				Units: mg/Kg		Analysis Date: 3/2/2021 09:32 PM		
Client ID: SL-4: Background		Run ID: ICP2_210302A				SeqNo: 7182746		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.64	0.35	7.082	10.56	43.4	75-125	12.13	11.7	20	S

The following samples were analyzed in this batch:

21022012-04A

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

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172720** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: MBLK-172720-172720				Units: mg/Kg		Analysis Date: 3/1/2021 09:06 PM				
Client ID:		Run ID: ICPMS3_210301B		SeqNo: 7177362		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	U	0.10								
Chromium	U	0.25								
Copper	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Zinc	U	0.50								

MBLK Sample ID: MBLK-172720-172720				Units: mg/Kg		Analysis Date: 3/2/2021 04:43 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7181250		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	U	0.25								

MBLK Sample ID: MBLK-172720-172720				Units: mg/Kg		Analysis Date: 3/2/2021 06:37 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7182020		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.874	0.25								

LCS Sample ID: LCS-172720-172720				Units: mg/Kg		Analysis Date: 3/1/2021 09:07 PM				
Client ID:		Run ID: ICPMS3_210301B		SeqNo: 7177363		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.213	0.25	5	0	104	80-120	0			
Barium	5.545	0.25	5	0	111	80-120	0			
Cadmium	5.346	0.10	5	0	107	80-120	0			
Chromium	5.312	0.25	5	0	106	80-120	0			
Copper	5.348	0.25	5	0	107	80-120	0			
Nickel	5.331	0.25	5	0	107	80-120	0			
Selenium	5.195	0.25	5	0	104	80-120	0			
Zinc	5.244	0.50	5	0	105	80-120	0			

LCS Sample ID: LCS-172720-172720				Units: mg/Kg		Analysis Date: 3/2/2021 04:45 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7181251		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	5.251	0.25	5	0	105	80-120	0			B
Silver	5.032	0.25	5	0	101	80-120	0			

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: 172720 Instrument ID ICPMS3 Method: SW6020B

MS Sample ID: 21021985-01BMS				Units: mg/Kg		Analysis Date: 3/1/2021 09:20 PM				
Client ID:		Run ID: ICPMS3_210301B		SeqNo: 7177370		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.07	0.36	7.246	7.235	52.9	75-125	0			S
Barium	50.43	0.36	7.246	40.84	132	75-125	0			SO
Cadmium	6.122	0.14	7.246	-0.0285	84.9	75-125	0			
Chromium	25.37	0.36	7.246	15.35	138	75-125	0			S
Copper	19.78	0.36	7.246	16.99	38.5	75-125	0			S
Nickel	26.29	0.36	7.246	25.7	8.14	75-125	0			S
Selenium	6.285	0.36	7.246	0.05122	86	75-125	0			
Zinc	50.69	0.72	7.246	46.41	59	75-125	0			SO

MS Sample ID: 21021985-01BMS				Units: mg/Kg		Analysis Date: 3/2/2021 05:03 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7181262		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	5.829	0.36	7.246	0.01588	80.2	75-125	0			

MS Sample ID: 21021985-01BMS				Units: mg/Kg		Analysis Date: 3/2/2021 06:49 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7182027		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	16.44	0.36	7.246	13.22	44.4	75-125	0			BS

MSD Sample ID: 21021985-01BMSD				Units: mg/Kg		Analysis Date: 3/1/2021 09:21 PM				
Client ID:		Run ID: ICPMS3_210301B		SeqNo: 7177371		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.91	0.38	7.645	7.235	48.1	75-125	11.07	1.39	20	S
Barium	49.09	0.38	7.645	40.84	108	75-125	50.43	2.69	20	O
Cadmium	6.498	0.15	7.645	-0.0285	85.4	75-125	6.122	5.96	20	
Chromium	24.95	0.38	7.645	15.35	126	75-125	25.37	1.66	20	S
Copper	19.02	0.38	7.645	16.99	26.5	75-125	19.78	3.94	20	S
Nickel	25.12	0.38	7.645	25.7	-7.63	75-125	26.29	4.57	20	S
Selenium	6.765	0.38	7.645	0.05122	87.8	75-125	6.285	7.36	20	
Zinc	49.17	0.76	7.645	46.41	36.1	75-125	50.69	3.04	20	SO

MSD Sample ID: 21021985-01BMSD				Units: mg/Kg		Analysis Date: 3/2/2021 05:05 PM				
Client ID:		Run ID: ICPMS3_210302B		SeqNo: 7181263		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	12.57	0.38	7.645	0.01588	164	75-125	5.829	73.3	20	SR

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

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172720** Instrument ID **ICPMS3** Method: **SW6020B**

MSD		Sample ID: 21021985-01BMSD				Units: mg/Kg		Analysis Date: 3/2/2021 06:51 PM			
Client ID:		Run ID: ICPMS3_210302B				SeqNo: 7182028		Prep Date: 3/1/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Lead	16.24	0.38	7.645	13.22	39.6	75-125	16.44	1.19	20	BS	

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172739** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK		Sample ID: MBLK-172739-172739				Units: mg/Kg		Analysis Date: 3/1/2021 08:50 PM		
Client ID:		Run ID: ICPMS3_210301B				SeqNo: 7179098		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.03903	0.040								J

LCS		Sample ID: LCS-172739-172739				Units: mg/Kg		Analysis Date: 3/1/2021 08:52 PM		
Client ID:		Run ID: ICPMS3_210301B				SeqNo: 7179099		Prep Date: 3/1/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.8908	0.040	1	0	89.1	80-120		0		

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172805** Instrument ID **ICPMS3** Method: **SW6020B**

DUP				Sample ID: 21022012-04A dup			Units: mg/L		Analysis Date: 3/2/2021 05:44 PM	
Client ID: SL-4: Background				Run ID: ICPMS3_210302A			SeqNo: 7181816		Prep Date: 3/2/2021	
							DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	699.3	5.0	0	0	0	0-0	666.1	4.87		
Magnesium	106	2.0	0	0	0	0-0	101.5	4.37		
Sodium	66.54	2.0	0	0	0	0-0	62.08	6.93		

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
21022012-04A		

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172876** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK		Sample ID: MBLK-172876-172876				Units: mg/Kg		Analysis Date: 3/3/2021 06:25 PM		
Client ID:		Run ID: ICPMS3_210303B				SeqNo: 7185479		Prep Date: 3/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	U	0.25								
Lead	U	0.25								
Selenium	U	0.25								

LCS		Sample ID: LCS-172876-172876				Units: mg/Kg		Analysis Date: 3/3/2021 06:27 PM		
Client ID:		Run ID: ICPMS3_210303B				SeqNo: 7185480		Prep Date: 3/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	5.496	0.25	5	0	110	80-120	0			
Lead	5.064	0.25	5	0	101	80-120	0			
Selenium	4.979	0.25	5	0	99.6	80-120	0			

MS		Sample ID: 21021845-05AMS				Units: mg/Kg		Analysis Date: 3/3/2021 06:35 PM		
Client ID:		Run ID: ICPMS3_210303B				SeqNo: 7185485		Prep Date: 3/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	9.868	0.38	7.553	2.224	101	75-125	0			
Lead	8.84	0.38	7.553	1.226	101	75-125	0			
Selenium	7.231	0.38	7.553	0.02161	95.5	75-125	0			

MSD		Sample ID: 21021845-05AMSD				Units: mg/Kg		Analysis Date: 3/3/2021 06:37 PM		
Client ID:		Run ID: ICPMS3_210303B				SeqNo: 7185486		Prep Date: 3/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	9.626	0.37	7.375	2.224	100	75-125	9.868	2.47	20	
Lead	8.747	0.37	7.375	1.226	102	75-125	8.84	1.05	20	
Selenium	7.256	0.37	7.375	0.02161	98.1	75-125	7.231	0.344	20	

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172805** Instrument ID **SAR** Method: **USDA H60 Method**

DUP		Sample ID: 21022012-04ADUP				Units: none		Analysis Date: 3/2/2021		
Client ID: SL-4: Background			Run ID: SAR_210302A			SeqNo: 7182281		Prep Date: 3/2/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.6197	0.010	0	0	0			0		

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
21022012-04A		

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: 172726 Instrument ID SVMS6 Method: SW8270E

MBLK				Sample ID: SBLKS1-172726-172726				Units: µg/Kg		Analysis Date: 3/1/2021 04:07 PM		
Client ID:			Run ID: SVMS6_210301A			SeqNo: 7178827		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
1-Methylnaphthalene	U	4.2										
2-Methylnaphthalene	U	4.2										
Acenaphthene	U	4.2										
Anthracene	U	4.2										
Benzo(a)anthracene	U	4.2										
Benzo(a)pyrene	U	4.2										
Benzo(b)fluoranthene	U	4.2										
Benzo(k)fluoranthene	U	4.2										
Chrysene	U	4.2										
Dibenzo(a,h)anthracene	U	4.2										
Fluoranthene	U	4.2										
Fluorene	U	4.2										
Indeno(1,2,3-cd)pyrene	U	4.2										
Naphthalene	U	4.2										
Pyrene	U	4.2										
Surr: 2-Fluorobiphenyl	2790	0	3333	0	83.7	20-140		0				
Surr: 4-Terphenyl-d14	3027	0	3333	0	90.8	22-172		0				
Surr: Nitrobenzene-d5	2294	0	3333	0	68.8	28-140		0				

LCS				Sample ID: SLCSS1-172726-172726				Units: µg/Kg		Analysis Date: 3/1/2021 04:22 PM		
Client ID:			Run ID: SVMS6_210301A			SeqNo: 7178828		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
1-Methylnaphthalene	1132	4.2	1333	0	85	40-140	0					
2-Methylnaphthalene	926.3	4.2	1333	0	69.5	40-140	0					
Acenaphthene	1175	4.2	1333	0	88.1	40-140	0					
Anthracene	1193	4.2	1333	0	89.5	40-140	0					
Benzo(a)anthracene	1137	4.2	1333	0	85.3	40-140	0					
Benzo(a)pyrene	1066	4.2	1333	0	80	40-140	0					
Benzo(b)fluoranthene	1080	4.2	1333	0	81	40-140	0					
Benzo(k)fluoranthene	1052	4.2	1333	0	78.9	40-140	0					
Chrysene	1142	4.2	1333	0	85.6	40-140	0					
Dibenzo(a,h)anthracene	1194	4.2	1333	0	89.5	40-140	0					
Fluoranthene	1179	4.2	1333	0	88.4	40-140	0					
Fluorene	1151	4.2	1333	0	86.3	40-140	0					
Indeno(1,2,3-cd)pyrene	1142	4.2	1333	0	85.7	40-140	0					
Naphthalene	1195	4.2	1333	0	89.6	40-140	0					
Pyrene	978	4.2	1333	0	73.4	40-140	0					
Surr: 2-Fluorobiphenyl	2850	0	3333	0	85.5	20-140	0					
Surr: 4-Terphenyl-d14	2876	0	3333	0	86.3	22-172	0					
Surr: Nitrobenzene-d5	1657	0	3333	0	49.7	28-140	0					

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: 172726 Instrument ID SVMS6 Method: SW8270E

MS				Sample ID: 21021707-03B MS		Units: µg/Kg		Analysis Date: 3/1/2021 04:38 PM		
Client ID:		Run ID: SVMS6_210301A		SeqNo: 7178829		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1177	4.1	1303	0	90.3	40-140	0			
2-Methylnaphthalene	1001	4.1	1303	0	76.8	40-140	0			
Acenaphthene	1197	4.1	1303	0	91.9	40-140	0			
Anthracene	1205	4.1	1303	0	92.5	40-140	0			
Benzo(a)anthracene	1142	4.1	1303	5.369	87.2	40-140	0			
Benzo(a)pyrene	1076	4.1	1303	4.235	82.2	40-140	0			
Benzo(b)fluoranthene	1256	4.1	1303	6.312	96	40-140	0			
Benzo(k)fluoranthene	1010	4.1	1303	0	77.5	40-140	0			
Chrysene	1158	4.1	1303	4.235	88.6	40-140	0			
Dibenzo(a,h)anthracene	1272	4.1	1303	1.822	97.5	40-140	0			
Fluoranthene	1159	4.1	1303	6.711	88.4	40-140	0			
Fluorene	1101	4.1	1303	0	84.5	40-140	0			
Indeno(1,2,3-cd)pyrene	1219	4.1	1303	4.298	93.3	40-140	0			
Naphthalene	1241	4.1	1303	0	95.3	40-140	0			
Pyrene	912.9	4.1	1303	6.568	69.6	40-140	0			
Surr: 2-Fluorobiphenyl	2781	0	3257	0	85.4	20-140	0			
Surr: 4-Terphenyl-d14	2687	0	3257	0	82.5	22-172	0			
Surr: Nitrobenzene-d5	1904	0	3257	0	58.5	28-140	0			

MSD				Sample ID: 21021707-03B MSD		Units: µg/Kg		Analysis Date: 3/1/2021 04:53 PM		
Client ID:		Run ID: SVMS6_210301A		SeqNo: 7178830		Prep Date: 3/1/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1104	4.1	1308	0	84.4	40-140	1177	6.38	30	
2-Methylnaphthalene	951	4.1	1308	0	72.7	40-140	1001	5.12	30	
Acenaphthene	1154	4.1	1308	0	88.2	40-140	1197	3.66	30	
Anthracene	1161	4.1	1308	0	88.8	40-140	1205	3.72	30	
Benzo(a)anthracene	1079	4.1	1308	5.369	82.1	40-140	1142	5.66	30	
Benzo(a)pyrene	980.9	4.1	1308	4.235	74.7	40-140	1076	9.22	30	
Benzo(b)fluoranthene	1144	4.1	1308	6.312	87	40-140	1256	9.32	30	
Benzo(k)fluoranthene	913.3	4.1	1308	0	69.8	40-140	1010	10.1	30	
Chrysene	1104	4.1	1308	4.235	84.1	40-140	1158	4.78	30	
Dibenzo(a,h)anthracene	1174	4.1	1308	1.822	89.6	40-140	1272	8.05	30	
Fluoranthene	1071	4.1	1308	6.711	81.4	40-140	1159	7.83	30	
Fluorene	1130	4.1	1308	0	86.4	40-140	1101	2.59	30	
Indeno(1,2,3-cd)pyrene	1166	4.1	1308	4.298	88.8	40-140	1219	4.47	30	
Naphthalene	1191	4.1	1308	0	91	40-140	1241	4.13	30	
Pyrene	834.3	4.1	1308	6.568	63.3	40-140	912.9	9	30	
Surr: 2-Fluorobiphenyl	2840	0	3271	0	86.8	20-140	2781	2.08	30	
Surr: 4-Terphenyl-d14	2478	0	3271	0	75.8	22-172	2687	8.08	30	
Surr: Nitrobenzene-d5	1876	0	3271	0	57.3	28-140	1904	1.51	30	

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

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172726** Instrument ID **SVMS6** Method: **SW8270E**

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172675** Instrument ID **VMS11** Method: **SW8260C**

Sample ID: MBLK-172675-172675				Units: µg/Kg-dry			Analysis Date: 2/27/2021 06:53 AM			
Client ID:		Run ID: VMS11_210226B			SeqNo: 7174710		Prep Date: 2/26/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trimethylbenzene	U	30								
1,3,5-Trimethylbenzene	U	100								
Benzene	U	30								
Ethylbenzene	U	30								
m,p-Xylene	U	60								
o-Xylene	U	30								
Toluene	U	30								
Xylenes, Total	U	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>971</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97.1</i>	<i>70-130</i>		<i>0</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>1002</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>		<i>0</i>		
<i>Surr: Dibromofluoromethane</i>	<i>986</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>98.6</i>	<i>70-130</i>		<i>0</i>		
<i>Surr: Toluene-d8</i>	<i>960.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>96</i>	<i>70-130</i>		<i>0</i>		

LCS				Sample ID: LCS-172675-172675			Units: µg/Kg-dry		Analysis Date: 2/27/2021 05:47 AM		
Client ID:		Run ID: VMS11_210226B			SeqNo: 7174708		Prep Date: 2/26/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	938.5	30	1000	0	93.8	65-135	0				
1,3,5-Trimethylbenzene	965.5	100	1000	0	96.6	65-135	0				
Benzene	1004	30	1000	0	100	75-125	0				
Ethylbenzene	1002	30	1000	0	100	75-125	0				
m,p-Xylene	2062	60	2000	0	103	80-125	0				
o-Xylene	1045	30	1000	0	104	75-125	0				
Toluene	987.5	30	1000	0	98.8	70-125	0				
Xylenes, Total	3108	90	3000	0	104	75-125	0				
Surr: 1,2-Dichloroethane-d4	958.5	0	1000	0	95.8	70-130	0				
Surr: 4-Bromofluorobenzene	1014	0	1000	0	101	70-130	0				
Surr: Dibromofluoromethane	997	0	1000	0	99.7	70-130	0				
Surr: Toluene-d8	974.5	0	1000	0	97.4	70-130	0				

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172675** Instrument ID **VMS11** Method: **SW8260C**

MS					Sample ID: 21022014-01A MS		Units: µg/Kg-dry		Analysis Date: 2/27/2021 01:54 PM		
Client ID:			Run ID: VMS11_210226B			SeqNo: 7174729		Prep Date: 2/26/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	5038	52	1719	4333	41	65-135	0			SH	
1,3,5-Trimethylbenzene	2538	170	1719	1021	88.2	65-135	0			H	
Benzene	1778	52	1719	0	103	75-125	0			H	
Ethylbenzene	1802	52	1719	56.41	102	75-125	0			H	
m,p-Xylene	3715	100	3439	159	103	80-125	0			H	
o-Xylene	1810	52	1719	28.2	104	75-125	0			H	
Toluene	1792	52	1719	88.03	99.1	70-125	0			H	
Xylenes, Total	5526	150	5158	188	103	75-125	0			H	
Surr: 1,2-Dichloroethane-d4	1674	0	1719	0	97.4	70-130	0				
Surr: 4-Bromofluorobenzene	1764	0	1719	0	103	70-130	0				
Surr: Dibromofluoromethane	1657	0	1719	0	96.4	70-130	0				
Surr: Toluene-d8	1672	0	1719	0	97.3	70-130	0				

MSD					Sample ID: 21022014-01A MSD		Units: µg/Kg-dry		Analysis Date: 2/27/2021 02:16 PM		
Client ID:			Run ID: VMS11_210226B			SeqNo: 7174730		Prep Date: 2/26/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	7533	51	1708	4333	187	65-135	5038	39.7	30	SRH	
1,3,5-Trimethylbenzene	3106	170	1708	1021	122	65-135	2538	20.1	30	H	
Benzene	1791	51	1708	0	105	75-125	1778	0.726	30	H	
Ethylbenzene	1838	51	1708	56.41	104	75-125	1802	1.97	30	H	
m,p-Xylene	3758	100	3416	159	105	80-125	3715	1.14	30	H	
o-Xylene	1845	51	1708	28.2	106	75-125	1810	1.86	30	H	
Toluene	1824	51	1708	88.03	102	70-125	1792	1.8	30	H	
Xylenes, Total	5603	150	5124	188	106	75-125	5526	1.38	30	H	
Surr: 1,2-Dichloroethane-d4	1677	0	1708	0	98.2	70-130	1674	0.202	30		
Surr: 4-Bromofluorobenzene	1782	0	1708	0	104	70-130	1764	1.02	30		
Surr: Dibromofluoromethane	1704	0	1708	0	99.8	70-130	1657	2.85	30		
Surr: Toluene-d8	1659	0	1708	0	97.2	70-130	1672	0.77	30		

The following samples were analyzed in this batch:

21022012-01A 21022012-02A 21022012-03A

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172805** Instrument ID **WETCHEM** Method: **USDA Method 20B**

DUP		Sample ID: 21022012-04A DUP				Units: s.u.		Analysis Date: 3/2/2021 03:42 PM		
Client ID: SL-4: Background		Run ID: WETCHEM_210302J				SeqNo: 7180776		Prep Date: 3/2/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH @ Saturation	7.28	0.10	0	0	0	0-0	7.26	0.275	20	

DUP		Sample ID: 21022012-04A DUP				Units: mmhos/cm @25°		Analysis Date: 3/2/2021 03:32 PM		
Client ID: SL-4: Background		Run ID: WETCHEM_210302K				SeqNo: 7180802		Prep Date: 3/2/2021		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	3.544	0.10	0	0	0		3.478	1.88	50	

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
21022012-04A		

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

Client: Terra Energy Partners, LLC
 Work Order: 21022012
 Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **172814** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-172814-172814				Units: mg/Kg		Analysis Date: 3/2/2021 02:00 PM		
Client ID:		Run ID: WETCHEM_210302F		SeqNo: 7180282		Prep Date: 2/27/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 1.0 0 0 0 0-0 0

LCS		Sample ID: LCS-172814-172814				Units: mg/Kg		Analysis Date: 3/2/2021 02:00 PM		
Client ID:		Run ID: WETCHEM_210302F		SeqNo: 7180283		Prep Date: 2/27/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.35 1.0 5 0 87 80-120 0

MS		Sample ID: 21021693-01A MS				Units: mg/Kg		Analysis Date: 3/2/2021 02:00 PM		
Client ID:		Run ID: WETCHEM_210302F		SeqNo: 7180285		Prep Date: 2/27/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.529 0.98 4.902 -0.4412 60.6 75-125 0 S

MS		Sample ID: 21021693-01A MSI				Units: mg/Kg		Analysis Date: 3/2/2021 02:00 PM		
Client ID:		Run ID: WETCHEM_210302F		SeqNo: 7180287		Prep Date: 2/27/2021		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1869 97 1984 -0.4412 94.2 75-125 0

MSD		Sample ID: 21021693-01A MSD				Units: mg/Kg		Analysis Date: 3/2/2021 02:00 PM		
Client ID:		Run ID: WETCHEM_210302F		SeqNo: 7180286		Prep Date: 2/27/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.554 0.99 4.95 -0.4412 40.3 75-125 2.529 47.7 20 SR

The following samples were analyzed in this batch:

21022012-01A 21022012-02A 21022012-03A

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

Client: Terra Energy Partners, LLC
Work Order: 21022012
Project: RMV 92-29 Produced Water Tank Leak

QC BATCH REPORT

Batch ID: **R310815** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R310815				Units: % of sample		Analysis Date: 3/1/2021 12:19 PM		
Client ID:		Run ID: MOIST_210301B				SeqNo: 7178256		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.10								

LCS		Sample ID: LCS-R310815				Units: % of sample		Analysis Date: 3/1/2021 12:19 PM		
Client ID:		Run ID: MOIST_210301B				SeqNo: 7178255		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.96	0.10	100	0	100	98-102	0			

DUP		Sample ID: 21021874-01A DUP				Units: % of sample		Analysis Date: 3/1/2021 12:19 PM		
Client ID:		Run ID: MOIST_210301B				SeqNo: 7178245		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	16.01	0.10	0	0	0	0-0	16.16	0.933	10	

The following samples were analyzed in this batch:

21022012-01A	21022012-02A	21022012-03A
21022012-04A		

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



ALS Laboratory Group

HOLLAND, Michigan 49424

Chain-of-Custody

Form 202r8

WORKORDER #

21022012

PROJECT NAME		RMV 92-29 Produced Water Tank Leak		SAMPLER		Mike Gardner		DATE		2/24/2021		PAGE		1 of 1	
PROJECT No.				SITE ID		RMV 92-29 Well Pad		TURNAROUND		RUSH		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		TEP Rocky Mountain LLC		EDD FORMAT				COGCC 915-1: Full List SAR, pH, EC, Arsenic							
SEND REPORT TO		Mike Gardner		PURCHASE ORDER											
ADDRESS				BILL TO COMPANY		TEP Rocky Mountain LLC									
CITY / STATE / ZIP				INVOICE ATTN TO		Mike Gardner, Tammy Gose									
PHONE				ADDRESS		1058 Co Rd 215									
FAX				CITY / STATE / ZIP		Parachute, CO 81635									
E-MAIL		mgardner@terraep.com		PHONE		970-263-2760									
				FAX											
				E-MAIL		mgardner@terraep.com; tgose@terraep.com									
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC								
	SL-1: Inside Berm - West Side	Soil	2/24/2021	2:00 p.m.	1 x 16 oz			X							
	SL-2: Inside Berm - North Side	Soil	2/24/2021	2:00 p.m.	1 x 16 oz			X							
	SL-3: Outside Berm - West Side	Soil	2/24/2021	2:00 p.m.	1 x 16 oz			X							
	SL-4: Background	Soil	2/24/2021	2:00 p.m.	1 x 16 oz			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)	
	X	LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Mike Gardner	2/24/2021	
RECEIVED BY		2/24/21	1530
RELINQUISHED BY		2/24/21	1820
RECEIVED BY	KEITH W. JENSEN	2/26/21	1130
RELINQUISHED BY			
RECEIVED BY			

Sample Receipt Checklist

Client Name: **TERRAENERGY**

Date/Time Received: **26-Feb-21 11:30**

Work Order: **21022012**

Received by: **KRW**

Checklist completed by **Keith Wierenga**

26-Feb-21

Reviewed by: **Chad Whelton**

26-Feb-21

eSignature

Date

eSignature

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): **1.9/2.9 C** **IR3**

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: **2/26/2021 12:38:21 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: