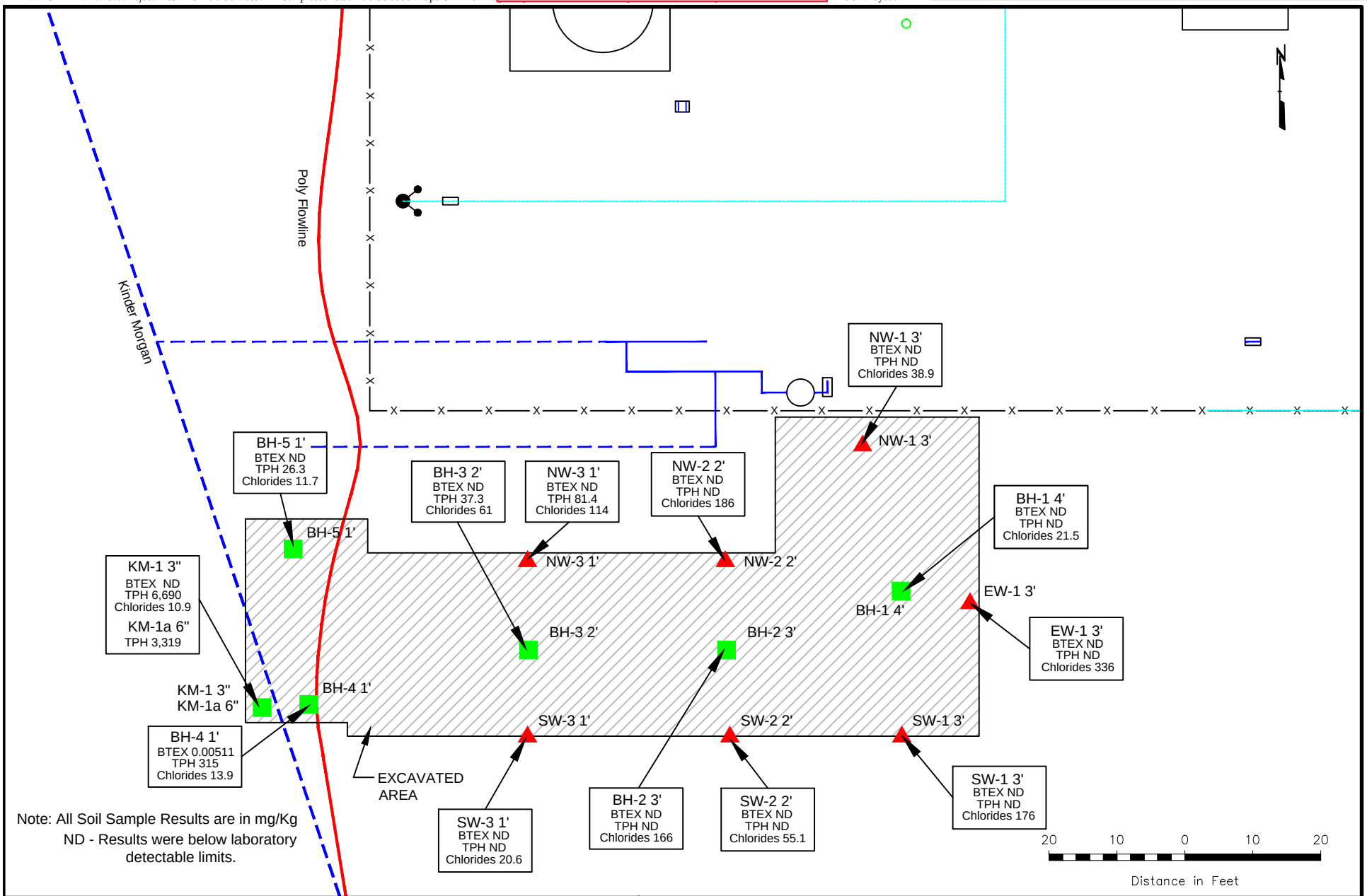
NMOCD grants backfill approval for the excavated area near the KM pipeline for 1RP-4634.

APPROVED
By Olivia Yu at 12:35 pm, Sep 27, 2017

DRAWING NAME: H:\Nova\Project Files\ETC Field Services\A14 Compressor Stat Field Scrubber\Maps CAD\New Ma... LAYOUT: Layout1



Note: All Soil Sample Results are in mg/Kg
ND - Results were below laboratory detectable limits.

LEGEND:
- Pipleline
- Electric
- Light Pole
- Fence
- Flowline
- Sidewall Soil Sample Location
- Floor Soil Sample Location

Figure 4
Site Detail and Confirmation Soil Sample Locations
ETC Field Services, LLC
A-14 Compressor Station
Field Scrubber
Lea County, NM

Scale: 1" = 20'	
CAD By: TA	Checked By: NG
Draft: April 4, 2017	
Lat. N 32° 14' 46.26" , Long. W 103° 24' 7.2"	
SE1/4 NE1/4 Sec 6 T24S R35E	
TRC Proj. No.: 273817	

TRC
2057 Commerce Drive
Midland, Texas 79703
432.520.7720

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

ETC FIELD SERVICES, LLC
A-14 COMPRESSOR STATION FIELD SCRUBBER
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	SOIL STATUS	METHODS: SW 846-8021b						METHOD: SW 8015M				E 300.1
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C_6-C_{10}	TPH DRO C_{10}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
NMOCD Site Classification Criteria			**10**					**50**				**5,000**	**600**
FS-1 6"	03/23/17	Trench	<0.00149	<0.00198	<0.00198	0.00480	<0.00297	0.00480	770	3,260	244	4,274	**7,910**
FS-1 1'	03/23/17	Trench	<0.00151	<0.00201	<0.00201	<0.00201	<0.00301	<0.00301	20.8	508	45.2	574.0	**3,040**
FS-2 6"	03/23/17	Trench	<0.00149	<0.00199	<0.00199	<0.00199	<0.00298	<0.00298	730	7,120	656	**8,506**	**6,160**
FS-2 1'	03/23/17	Trench	<0.00147	<0.00196	<0.00196	<0.00196	<0.00295	<0.00295	96.6	1,570	179	1,845.6	**5,970**
FS-3 6"	03/23/17	Trench	<0.00147	<0.00196	0.0209	0.146	0.129	0.2959	2,370	21,300	2,620	**26,290**	**5,820**
FS-3 1'	03/23/17	Trench	<0.00150	<0.00200	0.0144	0.119	0.104	0.2374	1,880	22,700	2,710	**27,290**	**4,870**
FS-4 6"	03/23/17	Trench	<0.00270	<0.00360	<0.00360	<0.00360	<0.00540	<0.00540	<15.0	1,730	3,260	4,990	<9.96
FS-4 1'	03/23/17	Trench	<0.00275	<0.00366	<0.00366	<0.00366	<0.00549	<0.00549	<15.0	1,640	3,180	4,820	<9.94
FS-5 6"	03/23/17	Trench	<0.00149	<0.00199	<0.00199	<0.00199	<0.00298	<0.00298	<15.0	1,590	3,090	4,680	10.8
FS-5 1'	03/23/17	Trench	<0.00148	<0.00197	<0.00197	<0.00197	<0.00296	<0.00296	<15.0	2,060	3,900	**5,960**	20.6
WFS-1 1'	03/23/17	Trench	<0.00267	<0.00356	<0.00356	<0.00356	<0.00534	<0.00534	<14.9	51.4	41.1	92.5	13.7
EFS-1 1'	03/23/17	Trench	<0.00254	<0.00339	<0.00339	<0.00339	<0.00508	<0.00508	<15.0	16.7	<15.0	16.7	45.2
SFS-1 1'	03/23/17	Trench	<0.00262	<0.00350	<0.00350	<0.00350	<0.00524	<0.00524	<15.0	17.9	<15.0	17.9	<9.96
NFS-2 1'	03/23/17	Trench	<0.00148	<0.00198	<0.00198	<0.00198	<0.00296	<0.00296	<15.0	448	131	579	84.3
SFS-2 1'	03/23/17	Trench	<0.00149	<0.00199	<0.00199	<0.00199	<0.00299	<0.00299	<15.0	99.8	<15.0	99.8	49.4
SFS-3 1'	03/23/17	Trench	<0.00151	<0.00201	<0.00201	<0.00201	<0.00301	<0.00301	<15.0	180	118	298	108
NFS-3 1'	03/23/17	Trench	<0.00152	<0.00202	<0.00202	<0.00202	<0.00303	<0.00303	<15.0	513	770	1,283	<9.98
FS-3 16"	04/17/17	Trench	<0.00149	0.00479	0.00728	0.00625	0.00401	0.02233	117	1,480	93.8	1,690.8	-
FS-5a 1'	04/17/17	Trench	<0.00151	<0.00201	<0.00201	0.00389	<0.00301	0.00389	<15.0	1,240	2,310	3,550	<4.88
FS-5a 16"	04/17/17	Trench	<0.00152	<0.00152	<0.00202	<0.00202	0.00517	0.00517	<15.0	1,110	2,060	3,170	<4.95
FS-1a 4'	05/10/17	Trench	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<15.0	23.6	<15.0	23.6	478
FS-1a 9'	05/10/17	Trench	-	-	-	-	-	-	-	-	-	-	162
FS-2a 4'	05/10/17	Trench	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<15.0	18.3	<15.0	18.3	114
FS-2a 9'	05/10/17	Trench	-	-	-	-	-	-	-	-	-	-	27.0
FS-3a 4'	05/10/17	Trench	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<14.9	15.0	<14.9	15.0	22.8
FS-3a 9'	05/10/17	Trench	-	-	-	-	-	-	-	-	-	-	49.2

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

ETC FIELD SERVICES, LLC
A-14 COMPRESSOR STATION FIELD SCRUBBER
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	SOIL STATUS	METHODS: SW 846-8021b						METHOD: SW 8015M				E 300.1
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C_6-C_{10}	TPH DRO C_{10}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
NMOCD Site Classification Criteria			**10**					**50**				**5,000**	**600**
BH-1 4'	06/13/17	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<15.0	<15.0	<15.0	<15.0	21.5
SW-1 3'	06/13/17	In-Situ	<0.00205	<0.00205	<0.00205	<0.00410	<0.00205	<0.00410	<15.0	<15.0	<15.0	<15.0	176
NW-1 3'	06/13/17	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<15.0	<15.0	<15.0	<15.0	38.9
BH-4 1'	06/14/17	In-Situ	<0.00200	<0.00200	<0.00200	0.00511	<0.00200	0.00511	<15.0	128	187	315	13.9
EW-1 3'	06/13/17	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<15.0	<15.0	<15.0	<15.0	336
BH-2 3'	06/14/17	In-Situ	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<15.0	<15.0	<15.0	<15.0	166
SW-2 2'	06/14/17	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<15.0	<15.0	<15.0	<15.0	55.1
NW-2 2'	06/14/17	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<15.0	<15.0	<15.0	<15.0	186
BH-5 1'	06/14/17	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<15.0	26.3	<15.0	26.3	11.7
BH-3 2'	06/15/17	In-Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<15.0	37.3	<15.0	37.3	61
NW-3 1'	06/15/17	In-Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<15.0	65.7	15.7	81.4	114
SW-3 1'	06/15/17	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<15.0	<15.0	<15.0	<15.0	20.6
KM-1 3"	07/11/17	Excavated	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<15.0	1,250	5,440	**6,690**	10.9
KM-1a 6"	08/22/17	In-Situ	-	-	-	-	-	-	<15.0	719	2,600	3,319	-
BG-1 1'	03/23/17	In-Situ	<0.00151	<0.00201	<0.00201	<0.00201	<0.00301	<0.00301	<15.0	<15.0	<15.0	<15.0	<9.96

Certificate of Analysis Summary 557335

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Sump

Project Id: TRC#273818
Contact: Nikki Green
Project Location: Lea County NM

Date Received in Lab: Wed Jul-12-17 12:09 pm
Report Date: 14-JUL-17
Project Manager: Kelsey Brooks

Analysis Requested							
	Lab Id:	557335-001					
	Field Id:	KM-1 3"					
	Depth:	3- In					
	Matrix:	SOIL					
	Sampled:	Jul-11-17 11:00					
BTEX by EPA 8021B	***Extracted:***	Jul-13-17 17:30					
	Analyzed:	Jul-14-17 09:36					
	Units/RL:	mg/kg RL					
Benzene		<0.00200 0.00200					
Toluene		<0.00200 0.00200					
Ethylbenzene		<0.00200 0.00200					
m,p-Xylenes		<0.00399 0.00399					
o-Xylene		<0.00200 0.00200					
Total Xylenes		<0.00200 0.00200					
Total BTEX		<0.00200 0.00200					
Chloride by EPA 300	***Extracted:***	Jul-14-17 14:00					
	Analyzed:	Jul-14-17 14:43					
	Units/RL:	mg/kg RL					
Chloride		10.9 4.92					
TPH by SW8015 Mod	***Extracted:***	Jul-12-17 14:00					
	Analyzed:	Jul-12-17 16:36					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0					
Diesel Range Organics (DRO)		1250 15.0					
Oil Range Hydrocarbons (ORO)		5440 15.0					
Total TPH		6690 15.0					

Kelsey Brooks
Project Manager

Analytical Report 557335

for

TRC Solutions, Inc

Project Manager: Nikki Green

A14 Compressor Station Sump

TRC#273818

14-JUL-17

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

14-JUL-17

Project Manager: **Nikki Green**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **557335**
A14 Compressor Station Sump
Project Address: Lea County NM

Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 557335. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 557335 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 557335

TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
KM-1 3"	S	07-11-17 11:00	3 In	557335-001

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3022274 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 557335

TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

Sample Id:	**KM-1 3"**	Matrix:	Soil	Date Received:	07.12.17 12.09
Lab Sample Id:	557335-001	Date Collected:	07.11.17 11.00	Sample Depth:	3 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MGO			% Moisture:	
Analyst:	MGO	Date Prep:	07.14.17 14.00	Basis:	Wet Weight
Seq Number:	3022314				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.9**	4.92	mg/kg	07.14.17 14.43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	07.12.17 14.00	Basis:	Wet Weight
Seq Number:	3022138				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.12.17 16.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	**1250**	15.0	mg/kg	07.12.17 16.36		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**5440**	15.0	mg/kg	07.12.17 16.36		1
Total TPH	PHC635	**6690**	15.0	mg/kg	07.12.17 16.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	07.12.17 16.36	
o-Terphenyl	84-15-1	110	%	70-135	07.12.17 16.36	

Certificate of Analytical Results 557335

TRC Solutions, Inc, Midland, TX

A14 Compressor Station Sump

Sample Id:	**KM-1 3"**	Matrix:	Soil	Date Received:	07.12.17 12.09
Lab Sample Id:	557335-001	Date Collected:	07.11.17 11.00	Sample Depth:	3 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	JUM			% Moisture:	
Analyst:	JUM	Date Prep:	07.13.17 17.30	Basis:	Wet Weight
Seq Number:	3022274				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.14.17 09.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.14.17 09.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	80-120	07.14.17 09.36	
4-Bromofluorobenzene	460-00-4	115	%	80-120	07.14.17 09.36	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

QC Summary 557335

TRC Solutions, Inc

A14 Compressor Station Sump

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3022314 Matrix: Solid Date Prep: 07.14.17
MB Sample Id: 727676-1-BLK LCS Sample Id: 727676-1-BKS LCSD Sample Id: 727676-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	250	100	253	101	90-110	1	20	mg/kg	07.14.17 14:27	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3022314 Matrix: Soil Date Prep: 07.14.17
Parent Sample Id: 557335-001 MS Sample Id: 557335-001 S MSD Sample Id: 557335-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10.9	246	266	104	267	104	90-110	0	20	mg/kg	07.14.17 14:50	

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3022138 Matrix: Solid Date Prep: 07.12.17
MB Sample Id: 727570-1-BLK LCS Sample Id: 727570-1-BKS LCSD Sample Id: 727570-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	960	96	983	98	70-135	2	35	mg/kg	07.12.17 14:59	
Diesel Range Organics (DRO)	<15.0	1000	948	95	960	96	70-135	1	35	mg/kg	07.12.17 14:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		114		109		70-135	%	07.12.17 14:59
o-Terphenyl	127		112		108		70-135	%	07.12.17 14:59

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3022138 Matrix: Soil Date Prep: 07.12.17
Parent Sample Id: 557336-001 MS Sample Id: 557336-001 S MSD Sample Id: 557336-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	990	99	1030	103	70-135	4	35	mg/kg	07.12.17 17:27	
Diesel Range Organics (DRO)	43.5	1000	1020	98	1020	98	70-135	0	35	mg/kg	07.12.17 17:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		112		70-135	%	07.12.17 17:27
o-Terphenyl	108		114		70-135	%	07.12.17 17:27

QC Summary 557335

TRC Solutions, Inc

A14 Compressor Station Sump

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3022274 Matrix: Solid Date Prep: 07.13.17

MB Sample Id: 727633-1-BLK LCS Sample Id: 727633-1-BKS LCSD Sample Id: 727633-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.102	103	0.122	122	70-130	18	35	mg/kg	07.13.17 18:04	
Toluene	<0.00198	0.0992	0.0949	96	0.114	114	70-130	18	35	mg/kg	07.13.17 18:04	
Ethylbenzene	<0.00198	0.0992	0.0907	91	0.117	117	71-129	25	35	mg/kg	07.13.17 18:04	
m,p-Xylenes	<0.00397	0.198	0.165	83	0.209	105	70-135	24	35	mg/kg	07.13.17 18:04	
o-Xylene	<0.00198	0.0992	0.0887	89	0.115	115	71-133	26	35	mg/kg	07.13.17 18:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		99		106		80-120	%	07.13.17 18:04
4-Bromofluorobenzene	92		85		108		80-120	%	07.13.17 18:04

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3022274 Matrix: Soil Date Prep: 07.13.17

Parent Sample Id: 557431-001 MS Sample Id: 557431-001 S MSD Sample Id: 557431-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0893	90	0.0957	96	70-130	7	35	mg/kg	07.13.17 18:37	
Toluene	<0.00198	0.0992	0.0971	98	0.0842	84	70-130	14	35	mg/kg	07.13.17 18:37	
Ethylbenzene	<0.00198	0.0992	0.0816	82	0.0822	82	71-129	1	35	mg/kg	07.13.17 18:37	
m,p-Xylenes	0.00444	0.198	0.164	81	0.163	79	70-135	1	35	mg/kg	07.13.17 18:37	
o-Xylene	0.00391	0.0992	0.103	100	0.0840	80	71-133	20	35	mg/kg	07.13.17 18:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		115		80-120	%	07.13.17 18:37
4-Bromofluorobenzene	118		116		80-120	%	07.13.17 18:37

Xenco Laboratories

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Nikki Green

Company Name: TRC Environmental Corporation

Company Address: 2057 Commerce Drive

City/State/Zip: Midland, Texas 79703

Telephone No: 432.520.7720 Fax No:

Sampler Signature: Nikki Green e-mail: rose.slade@energytransfer.com; ngreen@trcsolutions.com

Project Name: A14 Compressor Station Sump

Project #: TRC #: 273818

Project Loc: Lea County, NM

PO #:

Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 357335

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300.1			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard 3-Day TAT
	KM-1 3"			7/11/2017	1100		1	x								Soil	x								x			x			x	

Special Instructions:

Bill to Rose Slade at Energy Transfer.

Relinquished by:	Date	Time	Received by:	Date	Time
Nikki Green	7/12/17	1209	Shawnee Smith	7-12	12:09
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Cus
Sar
Ter

Temp: 4.3 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 4.1

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 07/12/2017 12:09:00 PM

Work Order #: 557335

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**N/A**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Jessica Kramer Date: 07/12/2017
Jessica Kramer

Checklist reviewed by: Date: 07/12/2017
Julian Martinez

Certificate of Analysis Summary 561288

TRC Solutions, Inc, Midland, TX

Project Name: A14 Compressor Station Field Scrubber

Project Id:
Contact: Nikki Green
Project Location: Lean County NM

Date Received in Lab: Fri Aug-25-17 02:35 pm
Report Date: 30-AUG-17
Project Manager: Kelsey Brooks

Analysis Requested								
	Lab Id:	561288-001						
	Field Id:	KM-1a 6"						
	Depth:							
	Matrix:	SOIL						
	Sampled:	Aug-22-17 12:00						
TPH by SW8015 Mod	***Extracted:***	Aug-28-17 16:00						
	Analyzed:	Aug-29-17 04:39						
	Units/RL:	mg/kg	RL					
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0					
Diesel Range Organics (DRO)		719	15.0					
Oil Range Hydrocarbons (ORO)		2600	15.0					
Total TPH		3319	15					

Kelsey Brooks
Project Manager

Analytical Report 561288

for

TRC Solutions, Inc

Project Manager: Nikki Green

A14 Compressor Station Field Scrubber

30-AUG-17

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

30-AUG-17

Project Manager: **Nikki Green**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **561288**
A14 Compressor Station Field Scrubber
Project Address: Lean County NM

Nikki Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 561288. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 561288 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 561288

TRC Solutions, Inc, Midland, TX

A14 Compressor Station Field Scrubber

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
KM-1a 6"	S	08-22-17 12:00		561288-001

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 561288

TRC Solutions, Inc, Midland, TX

A14 Compressor Station Field Scrubber

Sample Id:	**KM-1a 6''**	Matrix:	Soil	Date Received:	08.25.17 14.35
Lab Sample Id:	561288-001	Date Collected:	08.22.17 12.00		
Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.28.17 16.00	Basis:	Wet Weight
Seq Number:	3026146				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.29.17 04.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	**719**	15.0	mg/kg	08.29.17 04.39		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**2600**	15.0	mg/kg	08.29.17 04.39		1
Total TPH	PHC635	**3319**	15	mg/kg	08.29.17 04.39		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	08.29.17 04.39	
o-Terphenyl	84-15-1	94	%	70-135	08.29.17 04.39	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

QC Summary 561288

TRC Solutions, Inc

A14 Compressor Station Field Scrubber

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P

Seq Number: 3026146 Matrix: Solid Date Prep: 08.28.17

MB Sample Id: 730045-1-BLK LCS Sample Id: 730045-1-BKS LCSD Sample Id: 730045-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	898	90	952	95	70-135	6	35	mg/kg	08.29.17 02:12	
Diesel Range Organics (DRO)	<15.0	1000	967	97	1020	102	70-135	5	35	mg/kg	08.29.17 02:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		92		100		70-135	%	08.29.17 02:12
o-Terphenyl	95		89		100		70-135	%	08.29.17 02:12

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P

Seq Number: 3026146 Matrix: Soil Date Prep: 08.28.17

Parent Sample Id: 561389-001 MS Sample Id: 561389-001 S MSD Sample Id: 561389-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	1050	105	893	89	70-135	16	35	mg/kg	08.29.17 03:14	
Diesel Range Organics (DRO)	99.9	998	1120	102	988	89	70-135	13	35	mg/kg	08.29.17 03:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		89		70-135	%	08.29.17 03:14
o-Terphenyl	99		82		70-135	%	08.29.17 03:14

Xenco Laboratories

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Nikki Green

Company Name: TRC Environmental Corporation

Company Address: 2057 Commerce Drive

City/State/Zip: Midland, Texas 79703

Telephone No: 432.520.7720 Fax No:

Sampler Signature: Nikki Green e-mail: rose.slade@energytransfer.com; ngreen@trcsolutions.com

Project Name: A14 Compressor Station Field Scrubber

Project #: TRC #: 273817

Project Loc: Lea County, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 561288

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW = Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 (8015M) 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300.1	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT for Rose Slade
	KM-1a 6"			8/22/2017	1200		1	X								Soil	X													X

Special Instructions:

Bill to Rose Slade at Energy Transfer.

	Date	Time		Date	Time
Relinquished by: Nikki Green	8/25/17	1000	Received by:	8/25/17	1330
Relinquished by:	8/25/17	1410	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact? Y N

Temp: 3.3 IR ID:R-8

CF:(0-6: -0.2°C)

(6-23: +0.2°C)

Corrected Temp: 3.1

Temperature Upon Receipt: °C

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 08/25/2017 02:35:00 PM

Work Order #: 561288

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : r-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica Kramer
Jessica Kramer
Date: 08/25/2017

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 08/28/2017