District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Southern Union Gas Services Telephone. 575-395-2116 e-mail address: tony.savoie @sug.com
Address: P.O. Box 1226 Jal, New Mexico 88252
Facility or well name: Drip Tank #55 API #: _____ U/L or Qtr/Qtr M Sec 21 T 21 S R 36E
County: Lea Latitude 32 deg. 27.637N Longitude 103 deg. 16.563W NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume: _100_bbl Type of fluid: __Produced water and crude oil Construction material: __Steel_____ Double-walled, with leak detection? Yes ☐ If not, explain why not. __Tank was installed by EPNG before the BGT regulations were written__	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) Average 206 ft.	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more WTR > 205	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) No, 4746 Horiz. Ft. to a private water well	Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) 2.18 Horizontal miles to an intermittent water course.	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	0 Points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: The Below Grade Tank will be removed in accordance with the NMOCD proposed Pit and Below Grade Tank Rules.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: _2/23/08_____
Printed Name/ Tony Savoie
Title ___Waste Management and Remediation Specialist Signature Tony Savoie

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or

Approval:
Printed Name/Title Chris Williams Signature Chris Williams Date: 03/03/2008
RP # 1802

fCOH0806354083

RENEWED 6/10/13
APPROVED BUT NEED
C-144 CLOS RPT C-144

1802

Analytical Report 298902

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Drip Tank 55

BGT 016

11-MAR-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

11-MAR-08

Project Manager: **Tony Savoie**
Southern Union Gas Services-Jal
610 Commerce
Jal, NM 88252

Reference: XENCO Report No: **298902**
Drip Tank 55
Project Address: Lea County, NM

Tony Savoie:

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 298902. 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. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. 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. 298902 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,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 298902

Southern Union Gas Services-Jal, Jal, NM

Drip Tank 55

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample 3 Floor	S	Mar-04-08 15:30		298902-001
Floor Composite	S	Mar-04-08 15:35		298902-002
North Wall Composite	S	Mar-04-08 15:40		298902-003
South Wall Composite	S	Mar-04-08 15:45		298902-004
West Wall Composite	S	Mar-04-08 15:50		298902-005
East Wall Composite	S	Mar-04-08 15:55		298902-006

Certificate of Analysis Summary 298902

Southern Union Gas Services-Jal, Jal, NM

Project Name: Drip Tank 55

Project Id: BGT 016
Contact: Tony Savoie
Project Location: Lea County, NM

Date Received in Lab: Wed Mar-05-08 12:20 pm
Report Date: 11-MAR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	298902-001		298902-002		298902-003		298902-004		298902-005		298902-006	
	Field Id:	Sample 3 Floor		Floor Composite		North Wall Composite		South Wall Composite		West Wall Composite		East Wall Composite	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-04-08 15:30		Mar-04-08 15:35		Mar-04-08 15:40		Mar-04-08 15:45		Mar-04-08 15:50		Mar-04-08 15:55	
Anions by EPA 300/300.1	*Extracted:*												
	Analyzed:	Mar-05-08 16:17											
	Units/RL:	mg/kg	RL										
Chloride		7.92	5.00										
BTEX by EPA 8021B	*Extracted:*	Mar-10-08 11:16											
	Analyzed:	Mar-10-08 14:59											
	Units/RL:	mg/kg	RL										
Benzene		ND	0.0010										
Toluene		ND	0.0020										
Ethylbenzene		ND	0.0010										
m,p-Xylenes		ND	0.0020										
o-Xylene		ND	0.0010										
Xylenes, Total		ND											
Total BTEX		ND											
Percent Moisture	*Extracted:*												
	Analyzed:	Mar-05-08 16:00		Mar-05-08 16:00		Mar-05-08 16:00		Mar-05-08 16:00		Mar-05-08 16:00		Mar-05-08 16:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		2.15	1.00	3.39	1.00	6.43	1.00	8.05	1.00	5.63	1.00	7.32	1.00
TPH By SW8015 Mod	*Extracted:*	Mar-05-08 14:48		Mar-05-08 14:48		Mar-05-08 14:48		Mar-05-08 14:48		Mar-05-08 14:48		Mar-05-08 14:48	
	Analyzed:	Mar-07-08 17:27		Mar-07-08 17:55		Mar-07-08 18:23		Mar-07-08 18:50		Mar-07-08 19:18		Mar-07-08 19:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	15.3	ND	15.5	ND	16.0	ND	16.3	ND	15.9	ND	16.2
C12-C28 Diesel Range Hydrocarbons		16.8	15.3	ND	15.5	ND	16.0	ND	16.3	ND	15.9	ND	16.2
C28-C35 Oil Range Hydrocarbons		ND	15.3	ND	15.5	ND	16.0	ND	16.3	ND	15.9	ND	16.2
Total TPH		16.8		ND		ND		ND		ND		ND	

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

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 effect the recovery of the spike concentration. This condition could also effect 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 MQL(PQL) and above the SQL(MDL).

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.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Drip Tank 55

Work Order #: 298902 **Project ID:** BGT 016

Lab Batch #: 716752 **Sample:** 298902-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0337	0.0300	112	80-120	
4-Bromofluorobenzene	0.0340	0.0300	113	80-120	

Lab Batch #: 716752 **Sample:** 505700-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

Lab Batch #: 716752 **Sample:** 505700-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0330	0.0300	110	80-120	
4-Bromofluorobenzene	0.0335	0.0300	112	80-120	

Lab Batch #: 716752 **Sample:** 505700-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0329	0.0300	110	80-120	

Lab Batch #: 716637 **Sample:** 298902-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.8	100	98	70-135	
o-Terphenyl	51.6	50.0	103	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Drip Tank 55

Work Order #: 298902 **Project ID:** BGT 016

Lab Batch #: 716637 **Sample:** 298902-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	55.9	50.0	112	70-135	

Lab Batch #: 716637 **Sample:** 298902-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	52.4	50.0	105	70-135	

Lab Batch #: 716637 **Sample:** 298902-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.9	100	96	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

Lab Batch #: 716637 **Sample:** 298902-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.5	100	98	70-135	
o-Terphenyl	52.2	50.0	104	70-135	

Lab Batch #: 716637 **Sample:** 298902-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.6	100	96	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Drip Tank 55

Work Order #: 298902 **Project ID:** BGT 016

Lab Batch #: 716637 **Sample:** 298902-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.2	100	97	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

Lab Batch #: 716637 **Sample:** 298902-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.8	100	95	70-135	
o-Terphenyl	51.1	50.0	102	70-135	

Lab Batch #: 716637 **Sample:** 505640-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	57.0	50.0	114	70-135	

Lab Batch #: 716637 **Sample:** 505640-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	54.5	50.0	109	70-135	

Lab Batch #: 716637 **Sample:** 505640-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	57.7	50.0	115	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Drip Tank 55

Work Order #: 298902 **Project ID:** BGT 016

Lab Batch #: 716323 **Sample:** 716323-1-BKS **Matrix:** Solid

Date Analyzed: 03/05/2008 **Date Prepared:** 03/05/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Anions by EPA 300/300.1 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	100	98.6	99	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Drip Tank 55

Work Order #: 298902 **Project ID:** BGT 016

Analyst: SHE **Date Prepared:** 03/10/2008 **Date Analyzed:** 03/10/2008

Lab Batch ID: 716752 **Sample:** 505700-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0887	89	0.1	0.0901	90	2	70-130	35	
Toluene	ND	0.1000	0.0884	88	0.1	0.0902	90	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0897	90	0.1	0.0921	92	3	71-129	35	
m,p-Xylenes	ND	0.2000	0.1805	90	0.2	0.1841	92	2	70-135	35	
o-Xylene	ND	0.1000	0.0956	96	0.1	0.0973	97	2	71-133	35	

Analyst: BRB **Date Prepared:** 03/05/2008 **Date Analyzed:** 03/07/2008

Lab Batch ID: 716637 **Sample:** 505640-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	907	91	1000	874	87	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	913	91	1000	871	87	5	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Drip Tank 55

Work Order #: 298902
Lab Batch #: 716323
Date Analyzed: 03/05/2008
QC- Sample ID: 298877-001 S
Reporting Units: mg/kg

Date Prepared: 03/05/2008
Batch #: 1

Project ID: BGT 016
Analyst: LATCOR
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	903	200	1160	129	75-125	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Drip Tank 55

Work Order # : 298902 **Project ID:** BGT 016

Lab Batch ID: 716637 **QC- Sample ID:** 298902-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/07/2008 **Date Prepared:** 03/05/2008 **Analyst:** BRB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1020	932	91	1020	890	87	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	16.8	1020	965	93	1020	926	89	4	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Drip Tank 55

Work Order #: 298902

Lab Batch #: 716323 **Project ID:** BGT 016

Date Analyzed: 03/05/2008 **Date Prepared:** 03/05/2008 **Analyst:** LATCOR

QC- Sample ID: 298877-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300/300.1 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	903	890	1	20	

Lab Batch #: 716512

Date Analyzed: 03/05/2008 **Date Prepared:** 03/05/2008 **Analyst:** RBA

QC- Sample ID: 298858-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.50	3.29	6	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

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: Tony Savoie PAGE 01 OF 01 Project Name: DRIP TANK 55

Company Name: Southern Union Gas Project #: BGT 016

Company Address: SUGS, Jal Project Loc: Lea County, NM

City/State/Zip: Jal, New Mexico 88252 PO #:

Telephone No: (575) 631-9376 Fax No: Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Troy Ham e-mail: tony.savoie@sug.com

(lab use only) ORDER #: 298902

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW - Drinking Water SL - Sludge; GW - Groundwater S - Soil/Solid; NP - Non-Potable Specify Oth	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			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT (3 DAY)
01	SAMPLE 3 FLOOR			04 Mar 08	1530		1	X								SOIL	X								X			X				X
02	FLOOR COMPOSITE			04 Mar 08	1535		1	X								SOIL	X															X
03	NORTH WALL COMPOSITE			04 Mar 08	1540		1	X								SOIL	X															X
04	SOUTH WALL COMPOSITE			04 Mar 08	1545		1	X								SOIL	X															X
05	WEST WALL COMPOSITE			04 Mar 08	1550		1	X								SOIL	X															X
06	EAST WALLCOMPOSITE			04 Mar 08	1555		1	X								SOIL	X															X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Troy Ham	03/04/08	0830	Billy Blackwood	3-6-08	8:30
Billy Blackwood	3-5-08	12:20			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne Fitch	03 05 08	1220

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?		N
Labels on container(s)		N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered		N
by Sampler/Client Rep.?	Y	N
by Courier? ~~UPS~~ DHL	FedEx	Lone Star

Temperature Upon Receipt: 2.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: S.W.G.S.

Date/ Time: 3.5.08 12.20

Lab ID # : 278702

Initials: CL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	2.0 °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	(Yes)	No	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	~~Not Applicable~~	
#20 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 30, 2013

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DRIP TANK BATTERY #55

Enclosed are the results of analyses for samples received by the laboratory on 04/26/13 12:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Basin Environmental Service
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/26/2013	Sampling Date:	04/25/2013
Reported:	04/30/2013	Sampling Type:	Soil
Project Name:	DRIP TANK BATTERY #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: TT - 1 @ SURFACE (H300991-01)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709	
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399	
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330	
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28	
Total BTEX	<0.300	0.300	04/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	04/29/2013	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2013	ND	190	95.1	200	1.11	
DRO >C10-C28	**35.8**	10.0	04/29/2013	ND	192	95.9	200	0.524	
EXT DRO >C28-C35	**45.5**	10.0	04/29/2013	ND					

Surrogate: 1-Chlorooctane *82.2 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *97.0 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Basin Environmental Service
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/26/2013	Sampling Date:	04/25/2013
Reported:	04/30/2013	Sampling Type:	Soil
Project Name:	DRIP TANK BATTERY #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: TT - 1 @ 4' (H300991-02)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709	
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399	
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330	
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28	
Total BTEX	<0.300	0.300	04/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	04/29/2013	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2013	ND	190	95.1	200	1.11	
DRO >C10-C28	<10.0	10.0	04/29/2013	ND	192	95.9	200	0.524	
EXT DRO >C28-C35	<10.0	10.0	04/29/2013	ND					

Surrogate: 1-Chlorooctane *92.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *103 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Basin Environmental Service
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	04/26/2013	Sampling Date:	04/25/2013
Reported:	04/30/2013	Sampling Type:	Soil
Project Name:	DRIP TANK BATTERY #55	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	LEA COUNTY, NM		

Sample ID: TT - 1 @ 8' (H300991-03)

BTEX 8021B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2013	ND	2.18	109	2.00	0.709	
Toluene*	<0.050	0.050	04/29/2013	ND	1.96	98.2	2.00	0.399	
Ethylbenzene*	<0.050	0.050	04/29/2013	ND	2.14	107	2.00	0.0330	
Total Xylenes*	<0.150	0.150	04/29/2013	ND	6.18	103	6.00	1.28	
Total BTEX	<0.300	0.300	04/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	04/29/2013	ND	432	108	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/29/2013	ND	190	95.1	200	1.11	
DRO >C10-C28	**71.7**	10.0	04/29/2013	ND	192	95.9	200	0.524	
EXT DRO >C28-C35	**21.9**	10.0	04/29/2013	ND					

Surrogate: 1-Chlorooctane *89.5 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *99.2 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

LAB Order ID # H300991

Page 1 of 1

Page 6 of 6

Cardinal Laboratories

101 East Marland
Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name:	Basin Environmental Service Technologies, LLC	**Phone #:**	(575)396-2378
Address:	P.O. Box 301 Lovington, NM 88260	**Fax #:**	(575)396-1429
Contact Person:		**E-mail:**	pm@basinenv.com, rose.slade@sug.com,cyndi.inskeep@sug.com
Invoice to:	Southern Union Gas		
Project #:		**Project Name:**	Drip Tank Battery H55
Project Location: **(include state)**	Lea Co., NM	**Sampler Signature:**	Joel Lowery

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB ID (LAB USE ONLY)	SAMPLE ID	(G)RAB or (C)OMP	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: 2013 DATE	TIME	Chloride	TPH 8015M	BTEX 8021B	Turn Around Time if different from standard	Hold
-01	TT-1 @ Surface	G	1		X							X		4/25	11:00	X	X	X		
02	TT-1 @ 4'	G	1		X							X		4/25	11:15	X	X	X		
03	TT-1 @ 8'	G	1		X							X		4/25	11:30	X	X	X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Joel Lowery	Basin	4/26/13	12:19			4/26/13	12:19	INST #54 OBS ___°C COR -1.4 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___°C COR ___°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___°C COR ___°C

LAB USE ONLY

Intact Y / N

Headspace Y / N /NA

Log-In Review

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier #

Submittal of samples constitutes agreement to Terms and Conditions

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