Basin Environmental Service Technologies, LLC

3100 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
jwlowry@basinenv.com
Office: (575) 396-2378 Fax: (575) 396-1429

Effective Solutions

REMEDIATION SUMMARY &

SITE CLOSURE REQUEST

SOUTHERN UNION GAS SERVICES
TRUNK "O" 30-INCH (1RP-1817)
HISTORICAL RELEASE SITE
Lea County, New Mexico
Unit Letter "O" (SW/SE), Section 5, Township 21 South, Range 36 East
Latitude 32° 30.258' North, Longitude 103° 17.165' West
NMOCD Reference # 1RP-1817
NMOCD Reference # 1RP-1801

Prepared For:

Southern Union Gas Services
801 S. Loop 464
Monahans, TX 79756

Prepared By:
Basin Environmental Service Technologies, LLC
3100 Plains Highway
Lovington, New Mexico 88260

March 2013

_____

Joel W. Lowry
Project Manager

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Site Closure Request* for the Trunk "O" 30" Historical Release Site (1RP-1817). The legal description of the release site is Unit Letter "O" (SW/SE), Section 5, Township 21 South, Range 36 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 30.258' North latitude and 103° 17.165' West longitude. The property affected by the release is owned by the State of New Mexico and administer by the New Mexico State Land Office (NMSLO). Please reference Figure 1 for a "Site Location Map".

On February 20, 2008, Southern Union discovered a release had occurred on the Trunk "O" 30" Pipeline. The "Release Notification and Corrective Action Form" (Form C-141) indicated failure of a section of thirty-inch (30") low-pressure pipeline resulted in the release of an unknown volume of natural gas and produced water. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on March 4, 2008. The Form C-141 indicated the release affected approximately four thousand, five hundred square feet (4,500 ft^2) of pasture land. General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix C.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 5, Township 21 South, Range 36 East. An NMOCD representative indicated groundwater should be encountered at approximately one hundred and twenty feet (120') below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within one thousand feet (1,000') of the release. Based on the NMOCD ranking system, twenty (20) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within one thousand feet (1,000') of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Trunk "O" 30" Historical Release Site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene and xylene (BTEX) – 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) – 5,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On March 5, 2008, Basin began remediation activities at the release site. The excavation floor and sidewalls were advanced until photo-ionization detector readings and chloride field test suggested concentrations of BTEX, TPH and chloride were less than NMOCD regulatory standards. Excavated material was stockpiled on-site, pending final disposition.

On March 5, 2008, three (3) soil samples (#1, #2, and #3) were collected from the excavation floor and sidewalls and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations were less than the appropriate laboratory method detection limit (MDL) for each of the submitted soil samples with the exception of soil sample #3, which had a concentration of 40.1. Soil samples #1 and #2 were also analyzed for chloride concentrations which were determined to be <5.00 mg/Kg and 2,880 mg/Kg, respectively. Soil sample #2 was also analyzed for BTEX constituent concentrations which were determined to be less than the laboratory MDL. The excavation was advanced in the areas represented by soil samples #2 and #3. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". Soil sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided as Appendix B.

On March 10, 2008, two (2) soil samples (#4 and #5) were collected from the excavation floor and sidewalls and submitted to the laboratory for analysis TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 34.5 mg/Kg for soil sample #4 to 107.7 mg/Kg for soil sample #5. Analytical results indicated chloride concentrations ranged from less than the laboratory MDL for soil sample #5 to 31.1 mg/Kg for soil sample #4.

In addition, six (6) five-point composite soil samples (Stockpile 1, Stockpile 2, Stockpile 3, Stockpile 4, Stockpile 5, and Stockpile 6) were collected from the on-site stockpiled material and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 37.4 mg/Kg for soil sample Stockpile 6 to 115.2 mg/Kg for soil sample Stockpile 3. Analytical results indicated chloride concentrations ranged from 27.1 mg/Kg for soil sample Stockpile 1 to 141 mg/Kg for soil sample Stockpile 2. Based on laboratory analytical results from composite soil samples, the stockpiled material was deemed suitable for use as backfill.

On March 20 and 21, 2008, the excavation was backfilled with the on-site stockpiled material represented by soil samples Stockpile 1, Stockpile 2, Stockpile 3, Stockpile 4, Stockpile 5 and Stockpile 6. Excavation backfill was water-packed and compacted in lifts. Upon backfilling the excavation, the area was contoured to match the surrounding topography. Prior to backfilling the final dimensions of the excavation were approximately

On February 21, 2013, Basin responded to the Trunk "O" 30" Historical Release Site in an effort to determine if soil containing BTEX, TPH and chloride concentrations above NMOCD regulatory standards remained in-situ and to collect confirmation soil samples. A hand auger was utilized to locate native soil representing the former excavation sidewalls. Three (3) soil samples (South SW, North SW and West SW) were collected from the location and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results

indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Chloride concentrations ranged from 16.2 mg/Kg for soil sample South SW to 40.6 mg/Kg for soil sample North SW. Based on laboratory analytical results from confirmation soil samples, it was determined that previous remediation activities met the objectives of the NMOCD.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Xenco Laboratories, of Odessa, Texas, for BTEX, TPH, and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with modified EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 300/300.1

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Confirmation soil samples collected from the Trunk "O" 30" Historical Release Site suggested previous remediation activities met the requirements of the NMOCD's "Guidelines for Remediation of Leaks, Spills and Releases". Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples. Based on these laboratory analytical results, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the Trunk "O" 30" Historical Release Site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

7.0 DISTRIBUTION

Copy 1: Geoffrey Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, NM 88240
GeoffreyR.Leking@state.nm.us

Copy 2: Bill Sonnamaker
New Mexico State Land Office
2702-D North Grimes
Hobbs, NM 88240

Copy 3: Rose Slade
Southern Union Gas Services
801 S. Loop 464
Monahans, Texas 79756
rose.slade@sug.com

Copy 4: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, New Mexico 88260

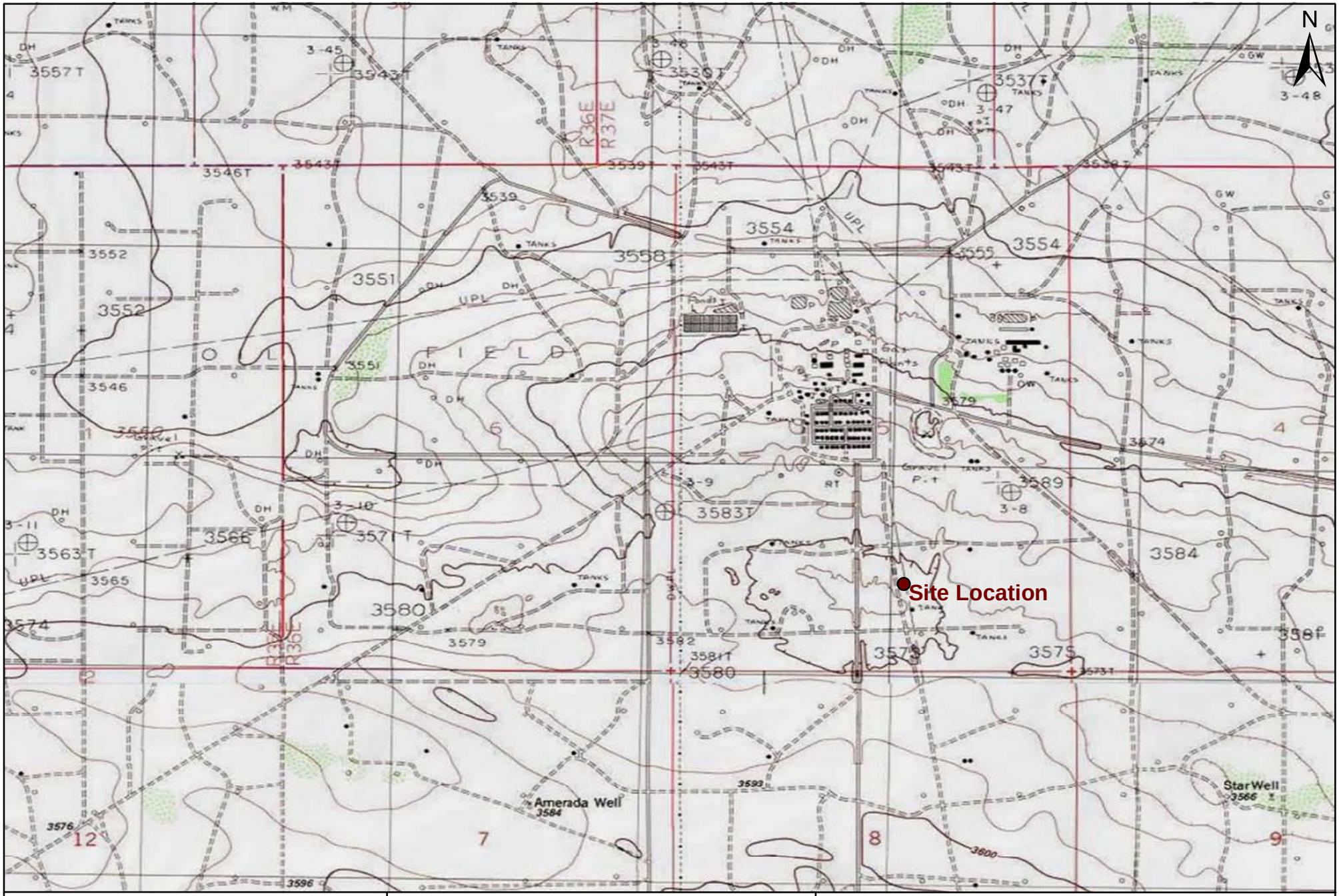
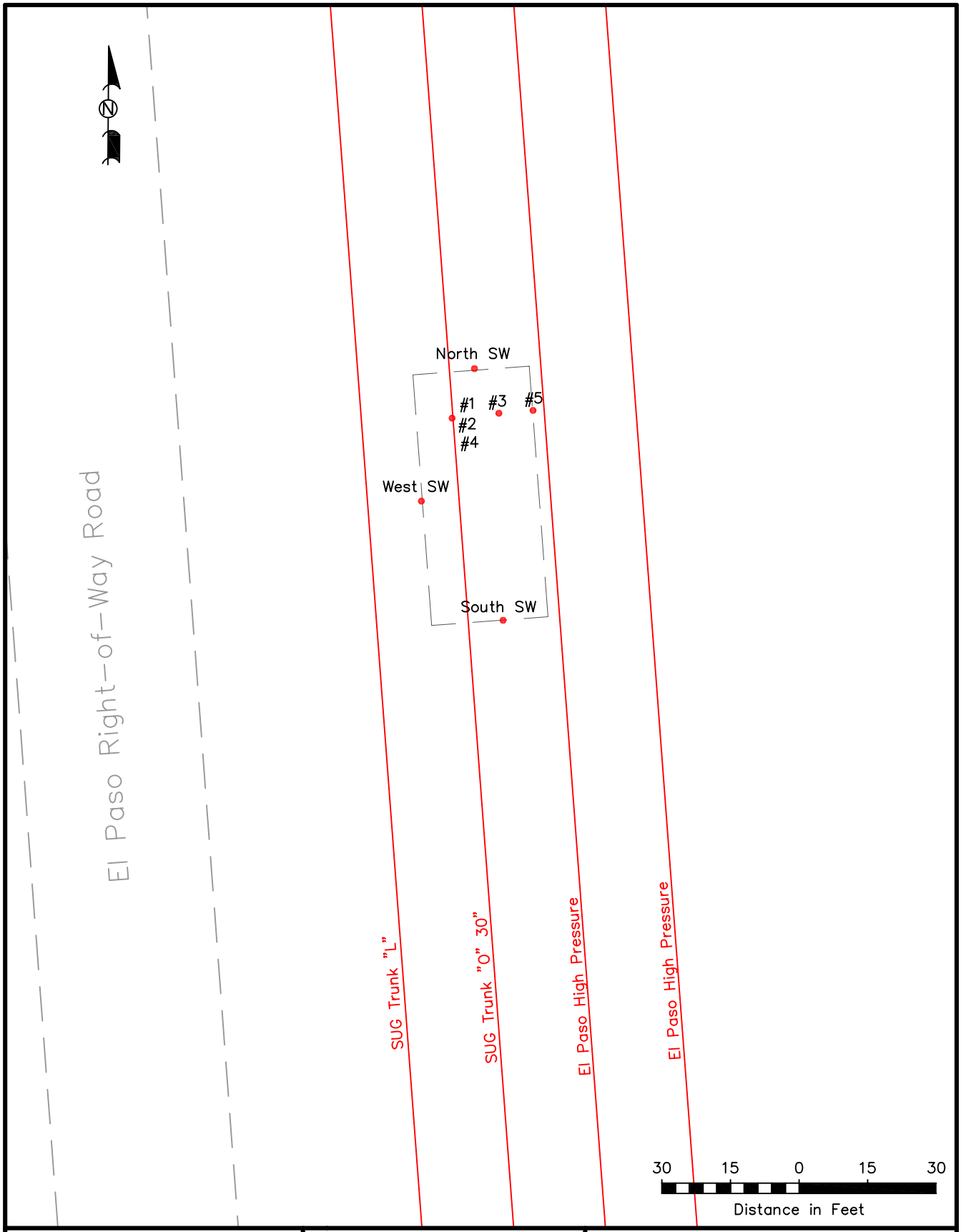


Figure 1
Site Location Map
Southern Union Gas Services
Trunk "O" 30-Inch
Lea County, New Mexico
NMOCD Reference #: 1RP-1817

Basin Environmental Service Technologies, LLC
3100 Plains Hwy.
Lovington, NM 88260

Drawn By: BJA	Checked By: JWL
October 17, 2012	Scale: 1" = 2000'



LEGEND:

- Sample Location
- Excavation Extent
- Pipeline
- Road

Figure 2

Site & Sample Location Map
Southern Union Gas Services
Trunk "O" 30" (RP-1817)
Lea County, NM

Basin Environmental Services

Scale: 1" = 50'	Drawn By: JWL	Prepared By: BJA
October 8, 2012		

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK "O" 30"
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-1817

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{28} (mg/Kg)	EPA: 300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
#1	5'	3/5/2008	Excavated	-	-	-	-	-	<16.7	<16.7	<16.7	<16.7	<5.00
#2	14'	3/5/2008	Excavated	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	**2,880**
#3	10'	3/5/2008	In-Situ	-	-	-	-	-	19.6	20.5	<16.5	40.1	-
#4	16'	3/10/2008	In-Situ	-	-	-	-	-	17.6	16.9	<16.4	34.5	31.1
#5	N/A	3/10/2008	In-Situ	-	-	-	-	-	32.3	55.2	20.2	107.7	<5.00
Stockpile 1	N/A	3/10/2008	Backfilled	-	-	-	-	-	39.1	76.0	<16.6	115.1	27.1
Stockpile 2	N/A	3/10/2008	Backfilled	-	-	-	-	-	37.0	65.8	<16.0	102.8	141
Stockpile 3	N/A	3/10/2008	Backfilled	-	-	-	-	-	37.8	77.4	<15.9	115.2	130
Stockpile 4	N/A	3/10/2008	Backfilled	-	-	-	-	-	29.6	50.8	<16.0	80.4	133
Stockpile 5	N/A	3/10/2008	Backfilled	-	-	-	-	-	26.4	60.3	<16.3	86.7	37.1
Stockpile 6	N/A	3/10/2008	Backfilled	-	-	-	-	-	16.6	20.8	<15.9	37.4	69.9
South SW	5'	2/21/2013	In-Situ	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.6	<15.6	<15.6	<15.6	16.2
North SW	5'	2/21/2013	In-Situ	<0.00107	<0.00217	<0.00107	<0.00217	<0.00217	<16.2	<16.2	<16.2	<16.2	40.6
West SW	5'	2/21/2013	In-Situ	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<16.0	<16.0	<16.0	<16.0	16.4
NMOCD Standard				**10**				**50**				**5,000**	**1,000**

- = Not analyzed.

Historical photograph of the Trunk “O” 30” Release Site.

Historical photograph of the Trunk “O” 30” Release Site.

Photograph of the collection of confirmation sidewall soil samples at the Trunk “O” 30” Release Site.

Photograph of the collection of confirmation sidewall soil samples at the Trunk “O” 30” Release Site.

Photograph of the collection of confirmation sidewall soil samples at the Trunk “O” 30” Release Site.

Photograph of the collection of confirmation sidewall soil samples at the Trunk “O” 30” Release Site.

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Analytical Report 298936

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Trunk "O" 30"

2008-003

06-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

06-MAR-08

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

Reference: XENCO Report No: **298936**
Trunk "O" 30"
Project Address:

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 298936. 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. 298936 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 298936

Southern Union Gas Services-Jal, Jal, NM

Trunk "O" 30"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
# 1	S	Mar-05-08 00:00		298936-001
# 2	S	Mar-05-08 00:00		298936-002
# 3	S	Mar-05-08 00:00		298936-003

Certificate of Analysis Summary 298936

Southern Union Gas Services-Jal, Jal, NM

Project Name: Trunk "O" 30"

Project Id: 2008-003
Contact: Tony Savoie
Project Location:

Date Received in Lab: Wed Mar-05-08 04:45 pm
Report Date: 06-MAR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	298936-001		298936-002		298936-003							
	Field Id:	# 1		# 2		# 3							
	Depth:												
	Matrix:	SOIL		SOIL		SOIL							
	Sampled:	Mar-05-08 00:00		Mar-05-08 00:00		Mar-05-08 00:00							
Anions by EPA 300/300.1	***Extracted:***												
	Analyzed:	Mar-06-08 10:53		Mar-06-08 10:53									
	Units/RL:	mg/kg	RL	mg/kg	RL								
Chloride		ND	5.00	2880	50.0								
BTEX by EPA 8021B	***Extracted:***			Mar-05-08 18:00									
	Analyzed:			Mar-06-08 02:47									
	Units/RL:			mg/kg	RL								
Benzene				ND	0.0011								
Toluene				ND	0.0022								
Ethylbenzene				ND	0.0011								
m,p-Xylenes				ND	0.0022								
o-Xylene				ND	0.0011								
Xylenes, Total				ND									
Total BTEX				ND									
Percent Moisture	***Extracted:***												
	Analyzed:	Mar-06-08 13:30		Mar-06-08 13:30		Mar-06-08 13:30							
	Units/RL:	%	RL	%	RL	%	RL						
Percent Moisture		10.3	0.500	8.27	0.500	8.91	0.500						
TPH By SW8015 Mod	***Extracted:***	Mar-06-08 09:48		Mar-06-08 09:48		Mar-06-08 09:48							
	Analyzed:	Mar-06-08 12:38		Mar-06-08 13:02		Mar-06-08 13:28							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
C6-C12 Gasoline Range Hydrocarbons		ND	16.7	ND	16.4	19.6	16.5						
C12-C28 Diesel Range Hydrocarbons		ND	16.7	ND	16.4	20.5	16.5						
C28-C35 Oil Range Hydrocarbons		ND	16.7	ND	16.4	ND	16.5						
Total TPH		ND		ND		40.1							

Brent Barron
Odessa Laboratory Director

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: Trunk "O" 30"

Work Order #: 298936 **Project ID:** 2008-003

Lab Batch #: 716366 **Sample:** 298936-002 / 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	0.0354	0.0300	118	80-120	
4-Bromofluorobenzene	0.0343	0.0300	114	80-120	

Lab Batch #: 716366 **Sample:** 505525-1-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	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0343	0.0300	114	80-120	

Lab Batch #: 716366 **Sample:** 505525-1-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	0.0332	0.0300	111	80-120	
4-Bromofluorobenzene	0.0355	0.0300	118	80-120	

Lab Batch #: 716366 **Sample:** 505525-1-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	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0358	0.0300	119	80-120	

Lab Batch #: 716393 **Sample:** 298936-001 / 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	97.6	100	98	70-135	
o-Terphenyl	53.7	50.0	107	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: Trunk "O" 30"

Work Order #: 298936 **Project ID:** 2008-003

Lab Batch #: 716393 **Sample:** 298936-002 / 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	103	100	103	70-135	
o-Terphenyl	55.7	50.0	111	70-135	

Lab Batch #: 716393 **Sample:** 298936-003 / 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	105	100	105	70-135	
o-Terphenyl	57.1	50.0	114	70-135	

Lab Batch #: 716393 **Sample:** 505532-1-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	101	100	101	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

Lab Batch #: 716393 **Sample:** 505532-1-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	94.4	100	94	70-135	
o-Terphenyl	51.9	50.0	104	70-135	

Lab Batch #: 716393 **Sample:** 505532-1-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	101	100	101	70-135	
o-Terphenyl	54.1	50.0	108	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: Trunk "O" 30"

Work Order #: 298936 **Project ID:** 2008-003

Lab Batch #: 716388 **Sample:** 716388-1-BKS **Matrix:** Solid

Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **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	10.0	9.77	98	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: Trunk "O" 30"

Work Order #: 298936 **Project ID:** 2008-003

Analyst: SHE **Date Prepared:** 03/05/2008 **Date Analyzed:** 03/06/2008

Lab Batch ID: 716366 **Sample:** 505525-1-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	0.1003	100	0.1	0.0970	97	3	70-130	35	
Toluene	ND	0.1000	0.1018	102	0.1	0.0988	99	3	70-130	35	
Ethylbenzene	ND	0.1000	0.1075	108	0.1	0.1061	106	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2112	106	0.2	0.2102	105	0	70-135	35	
o-Xylene	ND	0.1000	0.1113	111	0.1	0.1084	108	3	71-133	35	

Analyst: SHE **Date Prepared:** 03/06/2008 **Date Analyzed:** 03/06/2008

Lab Batch ID: 716393 **Sample:** 505532-1-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	862	86	1000	861	86	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	871	87	1000	867	87	0	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: Trunk "O" 30"

Work Order #: 298936
Lab Batch #: 716388
Date Analyzed: 03/06/2008
QC- Sample ID: 298936-002 S
Reporting Units: mg/kg

Project ID: 2008-003
Date Prepared: 03/06/2008
Analyst: LATCOR
Batch #: 1
Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	2880	1000	4010	113	75-125	

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

Sample Duplicate Recovery

Project Name: Trunk "O" 30"

Work Order #: 298936

Lab Batch #: 716388 **Project ID:** 2008-003

Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **Analyst:** LATCOR

QC- Sample ID: 298936-002 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	2880	2880	0	20	

Lab Batch #: 716401

Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **Analyst:** RBA

QC- Sample ID: 298941-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	0.863	1.08	22	20	F

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

Environmental Lab of Texas

a XENCO Laboratory Company

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 OF

Project Name: Trunk "O" 30"

Company Name: Southern Union Gas

Project #: 2008-003

Company Address: SUGS, Jal

Project Loc:

City/State/Zip: Jal, New Mexico 88252

PO #:

Telephone No: (575) 631-9376 Fax No:

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

Sampler Signature: Trey Hahn e-mail: tony.savoie@sug.com

(lab use only)
ORDER #: 298936

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/Soil; 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	#1			03/05/08				X								S	X											X		X	
02	#2			03/05/08				X									X								X			X		X	
03	#3			03/05/08				X									X											X		X	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Trey Hahn	03/05/08	14:35	Bill Blackwell	3-5-08	2:35
Bill Blackwell	3-5-08	4:45	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Finn	3-5-08	4:45

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
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?		N

by Courier? UPS DHL FedEx Lone Star

402 91955

Temperature Upon Receipt: 2.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: SWGS.

Date/ Time: 3 5 08 4:45

Lab ID # : 29936

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	2.5 °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

Analytical Report 299366

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Trunk "O" 30"

2008-003

17-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

17-MAR-08

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

Reference: XENCO Report No: **299366**
Trunk "O" 30"
Project Address:

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 299366. 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. 299366 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 299366

Southern Union Gas Services-Jal, Jal, NM

Trunk "O" 30"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
# 4	S	Mar-10-08 10:15		299366-001
# 5	S	Mar-10-08 10:35		299366-002
Stockpile1	S	Mar-10-08 15:15		299366-003
Stockpile 2	S	Mar-10-08 15:20		299366-004
Stockpile 3	S	Mar-10-08 15:25		299366-005
Stockpile 4	S	Mar-10-08 15:30		299366-006
Stockpile 5	S	Mar-10-08 15:35		299366-007
Stockpile 6	S	Mar-10-08 15:40		299366-008

Certificate of Analysis Summary 299366

Southern Union Gas Services-Jal, Jal, NM

Project Name: Trunk "O" 30"

Project Id: 2008-003
Contact: Tony Savoie
Project Location:

Date Received in Lab: Wed Mar-12-08 09:05 am
Report Date: 17-MAR-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	299366-001		299366-002		299366-003		299366-004		299366-005		299366-006	
	Field Id:	# 4		# 5		Stockpile1		Stockpile 2		Stockpile 3		Stockpile 4	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-10-08 10:15		Mar-10-08 10:35		Mar-10-08 15:15		Mar-10-08 15:20		Mar-10-08 15:25		Mar-10-08 15:30	
Anions by EPA 300/300.1	***Extracted:***												
	Analyzed:	Mar-12-08 14:43		Mar-12-08 15:02		Mar-12-08 15:22		Mar-12-08 15:42		Mar-12-08 16:02		Mar-12-08 16:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		31.1	5.00	ND	5.00	27.1	10.0	141	10.0	130	10.0	133	10.0
Percent Moisture	***Extracted:***												
	Analyzed:	Mar-12-08 17:00		Mar-12-08 17:00		Mar-12-08 17:00		Mar-12-08 17:00		Mar-12-08 17:00		Mar-12-08 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		8.26		6.31		9.78		5.98		5.78		5.96	
TPH By SW8015 Mod	***Extracted:***	Mar-13-08 09:30		Mar-13-08 09:30		Mar-13-08 09:30		Mar-13-08 09:30		Mar-13-08 09:30		Mar-13-08 09:30	
	Analyzed:	Mar-14-08 14:13		Mar-14-08 12:57		Mar-14-08 14:39		Mar-14-08 15:05		Mar-14-08 15:30		Mar-14-08 16:22	
	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		17.6	16.4	32.3	16.0	39.1	16.6	37.0	16.0	37.8	15.9	29.6	16.0
C12-C28 Diesel Range Hydrocarbons		16.9	16.4	55.2	16.0	76.0	16.6	65.8	16.0	77.4	15.9	50.8	16.0
C28-C35 Oil Range Hydrocarbons		ND	16.4	20.2	16.0	ND	16.6	ND	16.0	ND	15.9	ND	16.0
Total TPH		34.5		107.7		115.1		102.8		115.2		80.4	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 299366

Southern Union Gas Services-Jal, Jal, NM

Project Name: Trunk "O" 30"

Project Id: 2008-003
Contact: Tony Savoie
Project Location:

Date Received in Lab: Wed Mar-12-08 09:05 am
Report Date: 17-MAR-08
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	299366-007		299366-008					
	Field Id:	Stockpile 5		Stockpile 6					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Mar-10-08 15:35		Mar-10-08 15:40					
Anions by EPA 300/300.1	***Extracted:***								
	Analyzed:	Mar-12-08 16:41		Mar-12-08 17:01					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		37.1	10.0	69.9	10.0				
Percent Moisture	***Extracted:***								
	Analyzed:	Mar-12-08 17:00		Mar-12-08 17:00					
	Units/RL:	%	RL	%	RL				
Percent Moisture		7.81		5.88					
TPH By SW8015 Mod	***Extracted:***	Mar-13-08 09:30		Mar-13-08 09:30					
	Analyzed:	Mar-14-08 16:47		Mar-14-08 17:12					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		26.4	16.3	16.6	15.9				
C12-C28 Diesel Range Hydrocarbons		60.3	16.3	20.8	15.9				
C28-C35 Oil Range Hydrocarbons		ND	16.3	ND	15.9				
Total TPH		86.7		37.4					

Brent Barron
Odessa Laboratory Director

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: Trunk "O" 30"

Work Order #: 299366 **Project ID:** 2008-003

Lab Batch #: 717290 **Sample:** 299363-002 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	118	100	118	70-135	
o-Terphenyl	62.0	50.0	124	70-135	

Lab Batch #: 717290 **Sample:** 299363-002 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	104	100	104	70-135	
o-Terphenyl	54.8	50.0	110	70-135	

Lab Batch #: 717290 **Sample:** 299366-001 / 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	87.8	100	88	70-135	
o-Terphenyl	47.2	50.0	94	70-135	

Lab Batch #: 717290 **Sample:** 299366-002 / 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	89.8	100	90	70-135	
o-Terphenyl	49.5	50.0	99	70-135	

Lab Batch #: 717290 **Sample:** 299366-003 / 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	88.7	100	89	70-135	
o-Terphenyl	48.5	50.0	97	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: Trunk "O" 30"

Work Order #: 299366 **Project ID:** 2008-003

Lab Batch #: 717290 **Sample:** 299366-004 / 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	90.5	100	91	70-135	
o-Terphenyl	48.6	50.0	97	70-135	

Lab Batch #: 717290 **Sample:** 299366-005 / 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	90.6	100	91	70-135	
o-Terphenyl	49.3	50.0	99	70-135	

Lab Batch #: 717290 **Sample:** 299366-006 / 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	89.4	100	89	70-135	
o-Terphenyl	48.4	50.0	97	70-135	

Lab Batch #: 717290 **Sample:** 299366-007 / 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	87.6	100	88	70-135	
o-Terphenyl	49.0	50.0	98	70-135	

Lab Batch #: 717290 **Sample:** 299366-008 / 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	82.6	100	83	70-135	
o-Terphenyl	45.4	50.0	91	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: Trunk "O" 30"

Work Order #: 299366 **Project ID:** 2008-003

Lab Batch #: 717290 **Sample:** 505965-1-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	94.2	100	94	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

Lab Batch #: 717290 **Sample:** 505965-1-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	87.5	100	88	70-135	
o-Terphenyl	48.2	50.0	96	70-135	

Lab Batch #: 717290 **Sample:** 505965-1-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	88.7	100	89	70-135	
o-Terphenyl	49.5	50.0	99	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: Trunk "O" 30"

Work Order #: 299366 **Project ID:** 2008-003

Lab Batch #: 716973 **Sample:** 716973-1-BKS **Matrix:** Solid

Date Analyzed: 03/12/2008 **Date Prepared:** 03/12/2008 **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	10.0	9.57	96	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: Trunk "O" 30"

Work Order #: 299366 **Project ID:** 2008-003

Analyst: SHE **Date Prepared:** 03/13/2008 **Date Analyzed:** 03/13/2008

Lab Batch ID: 717290 **Sample:** 505965-1-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	847	85	1000	797	80	6	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	891	89	1000	838	84	6	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: Trunk "O" 30"

Work Order #: 299366
Lab Batch #: 716973
Date Analyzed: 03/12/2008
QC- Sample ID: 299281-001 S
Reporting Units: mg/kg

Project ID: 2008-003
Date Prepared: 03/12/2008
Analyst: LATCOR
Batch #: 1
Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	3470	1000	4550	108	75-125	

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: Trunk "O" 30"

Work Order # : 299366 **Project ID:** 2008-003

Lab Batch ID: 717290 **QC- Sample ID:** 299363-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/15/2008 **Date Prepared:** 03/13/2008 **Analyst:** SHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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	1060	1090	103	1060	921	87	17	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1060	1160	109	1060	984	93	16	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

Relative Percent Difference RPD = 200*(D-G)/(D+G)

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: Trunk "O" 30"

Work Order #: 299366

Lab Batch #: 716973 **Project ID:** 2008-003

Date Analyzed: 03/12/2008 **Date Prepared:** 03/12/2008 **Analyst:** LATCOR

QC- Sample ID: 299281-001 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	3470	3460	0	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

a XENCO Laboratory Company

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 1 OF 1

Project Name: Trunk "O" -30"

Company Name: Southern Union Gas

Project #: 2008-003

Company Address: SUGS, Jal

Project Loc:

City/State/Zip: Jal, New Mexico 88252

PO #:

Telephone No: (575) 631-9376 Fax No:

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

Sampler Signature: Trey Nalon e-mail: tony.savoie@sug.com

(lab use only)
ORDER #: 28F1366

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/Soil; 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	#4			03/10/08	1015		1	X									X								X			X				
02	#5			03/10/08	1035		1	X									X								X			X				
03	stockpile 1			03/10/08	1515		1	X									X								X			X				
04	stockpile 2			03/10/08	1520		1	X									X								X			X				
05	stockpile 3			03/10/08	1525		1	X									X								X			X				
06	stockpile 4			03/10/08	1530		1	X									X								X			X				
07	stockpile 5			03/10/08	1535		1	X									X								X			X				
08	stockpile 6			03/10/08	1540		1	X									X								X			X				

Special Instructions:

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
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 1.5 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Trey Nalon	03/12/08	8:05			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				3/12/08	9:05

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: S.W.G.S.

Date/ Time: 3.12.08 9:05

Lab ID # : 29936G

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.5 °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

Analytical Report 458123

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

Trunk "O" 30 Inch

RP-1817

25-FEB-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

25-FEB-13

Project Manager: **Joel Lowry**
Southern Union Gas Services- Monahans
801 South Loop 464
Monahans, TX 79756

Reference: XENCO Report No(s): **458123**
Trunk "O" 30 Inch
Project Address: Lea County, NM

Joel Lowry:

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) 458123. 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. 458123 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,

Nicholas Straccione
Project Manager

Sample Cross Reference 458123

Southern Union Gas Services- Monahans, Monahans, TX

Trunk "O" 30 Inch

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
South SW	S	02-21-13 13:30		458123-001
North SW	S	02-21-13 14:00		458123-002
West SW	S	02-21-13 13:45		458123-003

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-907638 Inorganic Anions by EPA 300/300.1
E300

Batch 907638, Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 458123-003, -001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 458123

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Trunk "O" 30 Inch

Project Id: RP-1817
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Feb-21-13 02:02 pm
Report Date: 25-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested											
	Lab Id:	458123-001		458123-002		458123-003					
	Field Id:	South SW		North SW		West SW					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Feb-21-13 13:30		Feb-21-13 14:00		Feb-21-13 13:45					
BTEX by EPA 8021B	***Extracted:***	Feb-25-13 07:50		Feb-25-13 07:50		Feb-25-13 07:50					
	Analyzed:	Feb-25-13 09:51		Feb-25-13 10:07		Feb-25-13 10:57					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00104	ND	0.00107	ND	0.00106				
Toluene		ND	0.00208	ND	0.00214	ND	0.00213				
Ethylbenzene		ND	0.00104	ND	0.00107	ND	0.00106				
m_p-Xylenes		ND	0.00208	ND	0.00214	ND	0.00213				
o-Xylene		ND	0.00104	ND	0.00107	ND	0.00106				
Total Xylenes		ND	0.00104	ND	0.00107	ND	0.00106				
Total BTEX		ND	0.00104	ND	0.00107	ND	0.00106				
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	***Extracted:***	Feb-23-13 13:37		Feb-23-13 13:37		Feb-23-13 13:37					
	Analyzed:	Feb-23-13 16:01		Feb-23-13 16:53		Feb-23-13 17:10					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		16.2	0.996	40.6	0.995	16.4	0.987				
Percent Moisture	***Extracted:***										
	Analyzed:	Feb-25-13 12:30		Feb-25-13 12:30		Feb-25-13 12:30					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		3.90	1.00	7.45	1.00	6.14	1.00				
TPH By SW8015 Mod	***Extracted:***	Feb-22-13 13:45		Feb-22-13 13:45		Feb-22-13 13:45					
	Analyzed:	Feb-22-13 22:34		Feb-22-13 23:06		Feb-22-13 23:37					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15.6	ND	16.2	ND	16.0				
C12-C28 Diesel Range Hydrocarbons		ND	15.6	ND	16.2	ND	16.0				
C28-C35 Oil Range Hydrocarbons		ND	15.6	ND	16.2	ND	16.0				
Total TPH		ND	15.6	ND	16.2	ND	16.0				

Nicholas Straccione
Project Manager

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 quantiation 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

Form 2 - Surrogate Recoveries

Project Name: Trunk "O" 30 Inch

Work Orders : 458123,

Project ID: RP-1817

Lab Batch #: 907551 **Sample:** 458123-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/22/13 22:34

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.5	99.7	96	70-135	
o-Terphenyl	47.8	49.9	96	70-135	

Lab Batch #: 907551 **Sample:** 458123-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/22/13 23:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.6	99.8	100	70-135	
o-Terphenyl	50.6	49.9	101	70-135	

Lab Batch #: 907551 **Sample:** 458123-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/22/13 23:37

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.4	100	98	70-135	
o-Terphenyl	49.5	50.1	99	70-135	

Lab Batch #: 907668 **Sample:** 458123-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/25/13 09:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	80-120	

Lab Batch #: 907668 **Sample:** 458123-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/25/13 10:07

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

* Surrogate outside of Laboratory QC limits

** 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: Trunk "O" 30 Inch

Work Orders : 458123,

Project ID: RP-1817

Lab Batch #: 907668 **Sample:** 458123-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/25/13 10:57

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0268	0.0300	89	80-120	

Lab Batch #: 907551 **Sample:** 634168-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/22/13 10:53

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	99.8	101	70-135	
o-Terphenyl	51.7	49.9	104	70-135	

Lab Batch #: 907668 **Sample:** 634244-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/25/13 09:35

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 907551 **Sample:** 634168-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/22/13 09:47

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.9	111	70-135	
o-Terphenyl	44.5	50.0	89	70-135	

Lab Batch #: 907668 **Sample:** 634244-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/25/13 08:46

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0338	0.0300	113	80-120	
4-Bromofluorobenzene	0.0344	0.0300	115	80-120	

* Surrogate outside of Laboratory QC limits

** 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: Trunk "O" 30 Inch

Work Orders : 458123, **Project ID:** RP-1817

Lab Batch #: 907551 **Sample:** 634168-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/22/13 10:20

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	43.5	50.1	87	70-135	

Lab Batch #: 907668 **Sample:** 634244-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/25/13 09:02

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0344	0.0300	115	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 907551 **Sample:** 458073-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/22/13 15:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	53.3	50.0	107	70-135	

Lab Batch #: 907668 **Sample:** 458123-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/25/13 13:24

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	80-120	
4-Bromofluorobenzene	0.0308	0.0300	103	80-120	

Lab Batch #: 907551 **Sample:** 458073-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/22/13 16:31

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	54.2	50.0	108	70-135	

* Surrogate outside of Laboratory QC limits
** 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: Trunk "O" 30 Inch

Work Order #: 458123 **Project ID:** RP-1817

Lab Batch #: 907638 **Sample:** 634210-1-BKS **Matrix:** Solid

Date Analyzed: 02/23/2013 **Date Prepared:** 02/23/2013 **Analyst:** RKO

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

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic 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	<1.00	100	109	109	80-120	

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

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: Trunk "O" 30 Inch

Work Order #: 458123 **Project ID:** RP-1817

Analyst: KEB **Date Prepared:** 02/25/2013 **Date Analyzed:** 02/25/2013

Lab Batch ID: 907668 **Sample:** 634244-1-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	<0.000992	0.0992	0.0832	84	0.0994	0.0818	82	2	70-130	35	
Toluene	<0.00198	0.0992	0.0810	82	0.0994	0.0807	81	0	70-130	35	
Ethylbenzene	<0.000992	0.0992	0.0844	85	0.0994	0.0845	85	0	71-129	35	
m_p-Xylenes	<0.00198	0.198	0.160	81	0.199	0.162	81	1	70-135	35	
o-Xylene	<0.000992	0.0992	0.0831	84	0.0994	0.0919	92	10	71-133	35	

Analyst: KEB **Date Prepared:** 02/22/2013 **Date Analyzed:** 02/22/2013

Lab Batch ID: 907551 **Sample:** 634168-1-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	<15.0	999	1100	110	1000	1120	112	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	999	1130	113	1000	1160	116	3	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+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: Trunk "O" 30 Inch

Work Order #: 458123
Lab Batch #: 907668
Project ID: RP-1817
Date Analyzed: 02/25/2013
Date Prepared: 02/25/2013
Analyst: KEB
QC- Sample ID: 458123-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Benzene	<0.00104	0.104	0.0920	88	70-130	
Toluene	<0.00209	0.104	0.0893	86	70-130	
Ethylbenzene	<0.00104	0.104	0.0904	87	71-129	
m_p-Xylenes	<0.00209	0.209	0.177	85	70-135	
o-Xylene	<0.00104	0.104	0.0845	81	71-133	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Trunk "O" 30 Inch

Work Order # : 458123 **Project ID:** RP-1817

Lab Batch ID: 907638 **QC- Sample ID:** 458123-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2013 **Date Prepared:** 02/23/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	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
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Chloride	16.4	98.7	129	114	98.7	126	111	2	80-120	20	

Lab Batch ID: 907638 **QC- Sample ID:** 458125-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2013 **Date Prepared:** 02/23/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	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
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Chloride	730	100	779	49	100	797	67	2	80-120	20	X

Lab Batch ID: 907551 **QC- Sample ID:** 458073-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/22/2013 **Date Prepared:** 02/22/2013 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	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
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
C6-C12 Gasoline Range Hydrocarbons	<17.2	1150	1380	120	1150	1400	122	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<17.2	1150	1420	123	1150	1450	126	2	70-135	35	

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

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: Trunk "O" 30 Inch

Work Order #: 458123

Lab Batch #: 907652 **Project ID:** RP-1817

Date Analyzed: 02/25/2013 12:30 **Date Prepared:** 02/25/2013 **Analyst:** WRU

QC- Sample ID: 458123-001 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	3.90	3.94	1	20	

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

BRL - Below Reporting Limit

Xenco Laboratories

he 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: Joel Lowry
Company Name: Basin Environmental
Company Address: 3100 Plains Hwy.
City/State/Zip: Lovington, NM 88260
Telephone No: 575-396-2378 Fax No: 575-396-1429
Sampler Signature:
e-mail: PM@basinenv.com

Project Name: Trunk "D" 30 inch
Project #: RP-1817
Project Loc: Lea, Co NM
PO #: Bill Southern Union
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 458123

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 Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M	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
	South SW			2.21.13	13:30		1	X								Soil			X								X			X	X	
	North SW			2.21.13	14:00		1	X								Soil			X								X			X	X	
	West SW			2.21.13	13:45		1	X								Soil			X								X			X	X	

Special Instructions:

Laboratory Comments:

Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y (NA)
Labels on container(s) (Y) N
Custody seals on container(s) Y (N)
Custody seals on cooler(s) (Y) N
Sample Hand Delivered by Sampler/Client Rep. ? (Y) N
~~by Courier?~~ UPS DHL (FedEx) Lone Star
As Read Corrected
Temperature Upon Receipt: -1 °C

Relinquished by:	Date	Time	Received by:	Date	Time
	2.21.13	14:05		2-21-13	1402
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				2/22/13	12:40

Final 1.000

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 02/21/2013 02:02:00 PM

Work Order #: 458123

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

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	-1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**Yes**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**Yes**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**Yes**

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

Analyst:	PH Device/Lot#:

Checklist completed by: _____ Date: _____

Checklist reviewed by: _____ Date: _____

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-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Tony Savoie
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	575-395-2116
Facility Name	Lea County Field Dept.	Facility Type	Natural Gas Gathering

Surface Owner: State of N.M.	Mineral Owner: State of N.M.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	5	21S	36E					Lea

Latitude N32 30.258 Longitude W103 17.165

NAD 27

NATURE OF RELEASE

Type of Release : Natural Gas and Produced water	Volume of Release: Unknown	Volume Recovered None
Source of Release : 30" Natural Gas Pipeline	Date and Hour of Occurrence not known	Date and Hour of Discovery 2/20/08 9:45 a.m.
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
MAR 04 2008
HOBBS OCD

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 30" Natural Gas gathering line operating at approximately 30 p.s.i. developed a leak. Date and time of loss is unkown, the leak area was discovered during a pipe replacement.

Describe Area Affected and Cleanup Action Taken. An area of pasture land measuring approximately 4,500sq. ft. has discolored soil in the backfill material, the soil is dark to light gray in appearance. Final remediation will follow the NMOCD recommended guidelines for leaks and spills.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Tony Savoie	OIL CONSERVATION DIVISION
Printed Name: John A. Savoie	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: Waste Management and Remediation Specialist	Approval Date: 3.18.08 Expiration Date: 5.16.08
E-mail Address: tony.savoie@sug.com	Conditions of Approval: Attached ☐
Date: 2/23/08 Phone: 575-395-2116	SUBMIT FINAL C-141 W/DOCS BY 1RP# 1817

* Attach Additional Sheets If Necessary

fCOAD 8080360 90

District I
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1301 W. Grand Avenue, Artesia, NM 88210
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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Tony Savoie
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	575-395-2116
Facility Name	Lea County Field Dept.	Facility Type	Natural Gas Gathering

Surface Owner: State of N.M.	Mineral Owner: State of N.M.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	5	21S	36E					Lea

Latitude N32 30.258 Longitude W103 17.165

NATURE OF RELEASE

Type of Release : Natural Gas and Produced water	Volume of Release: Unknown	Volume Recovered None
Source of Release : 30" Natural Gas Pipeline	Date and Hour of Occurrence not known	Date and Hour of Discovery 2/20/08 9:45 a.m.
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 30" Natural Gas gathering line operating at approximately 30 p.s.i. developed a leak. Date and time of loss is unkown, the leak area was discovered during a pipe replacement.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Tony Savoie	OIL CONSERVATION DIVISION
Printed Name: John A. Savoie	Approved by District Supervisor: Chris Williams
Title: Waste Management and Remediation Specialist	Approval Date: 03/03/2008 Expiration Date: 05/03/2008
E-mail Address: tony.savoie@sug.com	Conditions of Approval: Attached ☐ RP# 1801
Date: 2/23/08 Phone: 575-395-2116	

* Attach Additional Sheets If Necessary

fCoh0806353069

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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Release Notification and Corrective Action

OPERATOR

Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Crystal Callaway
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	(817) 302-9407
Facility Name:	Trunk "O" 30" **(RP-1817 and RP-1801)**	Facility Type	Natural Gas Gathering

Surface Owner State of N.M.	Mineral Owner: State of N.M.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	5	21S	36E					Lea

Latitude N32 30.258 Longitude W103 17.165

NATURE OF RELEASE

Type of Release: Natural Gas and Produced water	Volume of Release Unknown	Volume Recovered None
Source of Release: 30" Natural Gas Pipeline	Date and Hour of Occurrence Not known	Date and Hour of Discovery 2/20/08 Time: 9:45 a.m.
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken:
A 30" Natural Gas gathering line operating at approximately 30 p.s.i. developed a leak. Date and time of loss is unknown, the leak area was discovered during a pipeline replacement.

Describe Area Affected and Cleanup Action Taken.* An area of pasture land measuring approximately 4,500 sq.ft. has discolored soil in the backfill material, the soil sis dark to light gray in appearance. Final remediation will follow the NMOCD recommended guidelines for leaks and spills.

Confirmation soil samples collected from the Trunk "O" 30" Historical Remediation site indicate concentrations of BTEX, TPH and chloride are less than NMOCD Regulatory Standards.
Please reference the attached Basin Environmental Services Technologies *Remediation Summary and Site Closure Request* for details of remediation activities.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Crystal Callaway	OIL CONSERVATION DIVISION
Printed Name: Crystal Callaway	Approved by District Supervisor:
Title: Senior Environmental Remediation Specialist	Approval Date: / Expiration Date:
E-mail Address: Crystal.Callaway@Regencygas.com	Conditions of Approval:
Date: 10/31/14 Phone: (817) 302-9407	