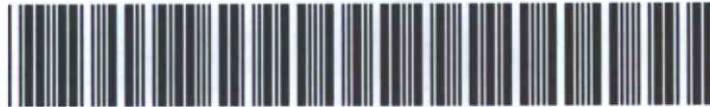




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pJXK1620946667

1RP - 2729

SOUTHERN UNION GAS SERVICES LTD

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

HOBBS OCD

Form C-141
Revised October 10, 2003

AUG 03 2011

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

RECEIVED

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Southern Union Gas Services	Contact	Rose Slade
Address	P.O. Box 1226 Jal, New Mexico 88252	Telephone No.	432-940-5147
Facility Name	Trunk "O" - Fulfer	Facility Type	Natural Gas Pipeline
Surface Owner	Fulfer	Mineral Owner	API No 30-025-28822

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	30	25S	37E					Lea

Latitude 32 degrees 06.380' Longitude 103 degrees 12.482'

NATURE OF RELEASE

Type of Release	Natural Gas, Crude Oil and Produced Water	Volume of Release	10 bbls	Volume Recovered	None
Source of Release	30-Inch Steel Pipeline (Low Pressure)	Date and Hour of Occurrence	July 28, 2011 - Unknown	Date and Hour of Discovery	July 28, 2011 - 1400 hrs
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Failure of a segment of the thirty (30) inch low pressure steel pipeline resulted in the release of natural gas, crude oil and produced water. The release occurred on the edge of a caliche road and flowed along the western edge of the edge for approximately 450 feet in a ribbon measuring one (1) to two (2) feet in width. Recovery of the released liquids was not possible. A pipeline clamp was installed on the pipeline to mitigate the release.

Describe Area Affected and Cleanup Action Taken.*
An area measuring approximately 675 square feet was affected by the release. The release will be remediated to NMOCD regulatory guidelines.

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: <i>Rose Slade</i>	OIL CONSERVATION DIVISION	
Printed Name: Rose Slade	Approved by ^{ENV. ENGINEER} District Supervisor: <i>Jeffery L. King</i>	
Title: EHS Compliance Specialist	Approval Date: 08/03/11	Expiration Date: 10/03/11
E-mail Address: rose.slade@sug.com	Conditions of Approval: SUBMIT FINAL C-141 BY 10/03/11.	Attached <input type="checkbox"/>
Date: August 3, 2011	Phone: 432-940-5147	IRP-08-2729

* Attach Additional Sheets If Necessary,



**REMEDICATION SUMMARY
AND SITE
CLOSURE REQUEST**

**Southern Union Gas Services
Trunk "O" Fulfer Release
Lea County, New Mexico
UNIT LTR "D" (NW ¼ /NW ¼), Section 30, Township 25 South, Range 37 East
Latitude 32° 06.380' North, Longitude 103° 12.482' West
NMOCD Reference # 1RP-2729**

Prepared For:

Southern Union Gas Services
801 South Loop 464
Monahans, Texas 79756

HOBBS OCD

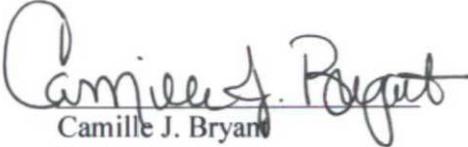
OCT 24 11

Prepared By:

NOVA Safety & Environmental
2057 Commerce
Midland, Texas 79703

RECEIVED

October 2011


Camille J. Bryant
Project Manager

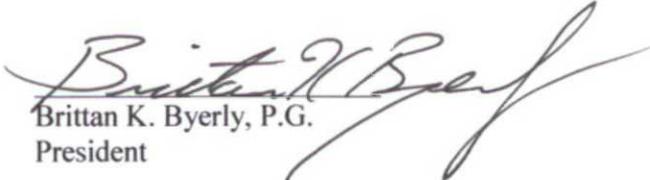

Brittan K. Byerly, P.G.
President

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Appendix D – Release Notification and Corrective Action (Form-C-141)

1.0 INTRODUCTION

Nova Safety & Environmental (NOVA), on behalf of Southern Union Gas Services (SUG), has prepared this Remediation Summary and Site Closure Request for the release site known as Trunk "O" Fulfer. The legal description of the release site is Unit Letter "D" (NW ¼ NW ¼), Section 30, Township 25 South, Range 37 East, in Lea County, New Mexico. The property affected by the release is owned by Mr. Greg Fulfer. The release site GPS coordinates are 32° 06.380' North and 103° 12.482' West. Please reference Figure 1 for a Site Location Map and Figure 2 for a Site Details Schematic and Confirmation Soil Sample Locations Map. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

On July 28, 2011, SUG discovered a release of crude oil, natural gas and produced water had occurred from a thirty (30) inch low pressure steel pipeline. The cause of the release was attributed to failure of a segment of the steel pipeline. The release occurred on the edge of a caliche road and flowed along the western edge of the road for approximately four hundred fifty (450) feet. During initial response activities, SUG installed a temporary pipeline clamp on the pipeline to mitigate the release. SUG submitted the Release Notification and Corrective Action (Form C-141) to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on August 3, 2011. The C-141 indicated approximately ten (10) barrels of fluids were released from the pipeline, with no recovery. General photographs of the site are provided as Appendix B.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) database did not identify the average depth to groundwater information for Section 30, Township 25 South, Range 37 East. A reference map utilized by the NMOCD indicated depth to groundwater at the release site should be encountered at approximately one hundred eighty-five (185) feet below ground surface (bgs). The depth to groundwater at the Trunk "O" Fulfer Release Site results in a score of zero (0) points being assigned to the site, based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells less than 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criteria.

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

The NMOCD guidelines indicate the Trunk "O" Fulfer Release Site has ranking score of zero (0). Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

The NMOCD chloride cleanup level concentrations are site specific and will be determined by the NMOCD Hobbs District Office.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On August 10, 2011, Nova, at the request of SUG, commenced remediation activities at the Trunk "O" Fulfer Release Site. Excavated soil was stockpiled on-site pending final disposition. The excavation of impacted soil was completed on August 30, 2011. Approximately 723 cubic yards of soil was stockpiled on-site during excavation activities. The final dimensions of the excavation were approximately one hundred (100) feet in length, approximately twenty (20) feet in width and ranged from approximately nine (9) feet to thirteen (13) feet in depth. The flow path excavation measured approximately one thirty-five (135) feet in length, approximately ten (10) feet in width and ranged from approximately six (6) inches to one (1) foot in depth. Please reference Figure 2 for site details.

On August 19, 2011, fourteen (14) soil samples (North S/W @ 8', West S/W-1 @ 8', East S/W-1 @ 8', R.P. Floor @ 9', West S/W-2 @ 5', East S/W-2 @ 5', Floor -2 @ 6', East S/W-3 @ 7', West S/W-3 @ 7', Floor-3 @ 8', South S/W @ 7', Flowpath-1, Flowpath-2, and Flowpath-3) were collected from the excavation and flow path area. The soil samples were submitted to the laboratory for determination of concentrations of benzene, toluene, ethyl-benzene and xylene (BTEX), total petroleum hydrocarbon (TPH), and chlorides using EPA SW-846 8021b, SW-846 8015M, and E 300, respectively. The analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) for all the submitted soil samples with the exception of soil sample West S/W-2 @ 5', which exhibited a benzene concentration of 0.00163 mg/Kg. BTEX concentrations ranged from less than the appropriate laboratory MDL for soil samples Floor-2 @ 6', East S/W-3 @ 7' and Floor-3 @ 8' to 0.754 mg/Kg for soil sample North S/W @ 8'. Laboratory analytical results indicated TPH concentrations ranged from 15.4 mg/Kg for soil sample Flowpath-1 to 1,540 mg/Kg for soil sample R.P. Floor @ 9'. Chloride concentrations ranged from less than the laboratory MDL for soil sample Flowpath-1 to 2,200 mg/Kg for soil sample Floor-2 @ 6'. A review of the laboratory analytical results indicated benzene, BTEX, TPH, and chloride concentrations were less than the NMOCD regulatory guidelines for all submitted soil samples, with the exception of soil samples Floor-2 @ 6' and Floor-3 @ 8', which exceeded regulatory guidelines for chloride concentrations. Table 1 summarizes the Concentrations of BTEX, TPH and Chlorides in Soil. Laboratory analytical reports are provided as Appendix A.

The excavated soil was stockpiled east of the excavation, in a cleared area and remediated by mixing and blending methods. On August 19, 2011, the stockpiled soil was subdivided into three (3) discreet stockpiles. One (1) composite soil sample was collected from each stockpile, resulting in three (3) composite soil samples identified as SP-AS, SP-AN, and SP-B1. The stockpiles represented by soil samples SP-AN and SP-AS each contained approximately two hundred sixty (260) cubic yards of soil removed from the excavation. The stockpile represented by soil sample SP-B1 contained approximately one hundred (100) cubic yards of material removed from the caliche road. The three (3) composite soil samples (SP-AS, SP-AN, and SP-B1) were submitted to the laboratory and analyzed for concentrations of benzene, BTEX, TPH and chlorides. Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory MDL for soil sample SP-B1 to 0.00468 mg/Kg for soil sample SP-AS. BTEX concentrations ranged from 0.619 mg/kg for soil sample SP-B1 to 1.00 mg/Kg for soil sample SP-AN. Laboratory analytical results indicated TPH concentrations ranged from 1,500

mg/Kg for soil sample SP-AS to 4,680 mg/Kg for soil sample SP-B1. Chloride concentrations ranged from 230 mg/Kg for soil sample SP-AS to 1,190 mg/Kg for soil sample SP-AN (Table 1).

On August 29, 2011, additional excavation was conducted on the floor of the excavation in the areas of soil samples Floor-2 @ 6' and Floor-3 @ 8'. The excavated soil was stockpiled separately from the previously excavated soil.

On August 30, 2011, two (2) soil samples (Floor-2 @ 10' and Floor-3 @ 13') were collected from the excavation and submitted to the laboratory for chloride analysis. Laboratory analytical results indicated chloride concentrations of 45.7 mg/Kg for soil sample Floor-2 @ 10 and 77.9 mg/Kg for soil sample Floor-3 @ 13'. A review of the laboratory analytical results indicated chloride concentrations were less than the NMOCD regulatory guidelines for both soil samples. Please reference Figure 2 for soil sample locations.

Based on analytical results of the soil samples collected on August 19, 2011, the soil contained in stockpiles represented by soil samples SP-AN and SP-B1 required additional blending and resampling. On August 30, 2011, after additional mixing and blending activities were conducted on the stockpiled material represented by soil samples SP-AN and SP-B1, two (2) composite soil samples (SP-AN-1 and SP-B-2) were collected from the remediated soil and submitted to the laboratory for chloride analysis. In addition, one (1) composite soil sample (SP-C) was collected from the newly excavated soil and submitted to the laboratory for analysis. Laboratory analytical results indicated chloride concentrations ranged from 580 mg/Kg for soil sample SP-B-2 to 1,440 mg/Kg for soil sample SP-C (Table 1).

On September 6, 2011, SUG and NOVA representatives met with an NMOCD Hobbs District Office representative to present the results of the soil sampling event, and request permission to backfill the excavation. The NMOCD representative granted approval to backfill the excavation with the stockpiled soil represented by soil samples SP-AS, SP-AN-1 and SP-B-2. The stockpiled soil represented by soil sample SP-C would be transported to Sundance Services, Inc. for disposal.

A total of approximately one hundred twenty (120) cubic yards of soil represented by soil sample SP-C was transported to Sundance Services, Inc. (NMOCD Permit # 01-0003) for disposal. The manifests documenting soil disposal volumes are provided as Appendix C.

The excavation was backfilled with non-impacted, locally obtained soil and with the stockpiled soil represented by soil samples SP-AS, SP-AN-1 and SP-B-2. On completion of backfilling activities the impacted area was contoured to fit the surrounding area and the caliche road was reestablished. The site will be reseeded with vegetation approved by the landowner.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil Samples were delivered to Xenco Laboratories, Inc., of Odessa, Texas for BTEX and/or TPH and/or chloride analyses using the methods described below. Soil samples were analyzed for BTEX and/or TPH and/or chloride concentrations within fourteen (14) days following the sampling event.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO
- Chloride concentration in accordance with Method E 300.

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 (COC) form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples, NOVA recommends SUG provide the NMOCD a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant closure to the Trunk "O" Fulfer Release Site.

6.0 LIMITATIONS

NOVA Safety and Environmental has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA Safety and Environmental has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA Safety and Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA Safety and Environmental has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA Safety and Environmental also 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 NOVA Safety and Environmental and/or Southern Union Gas.

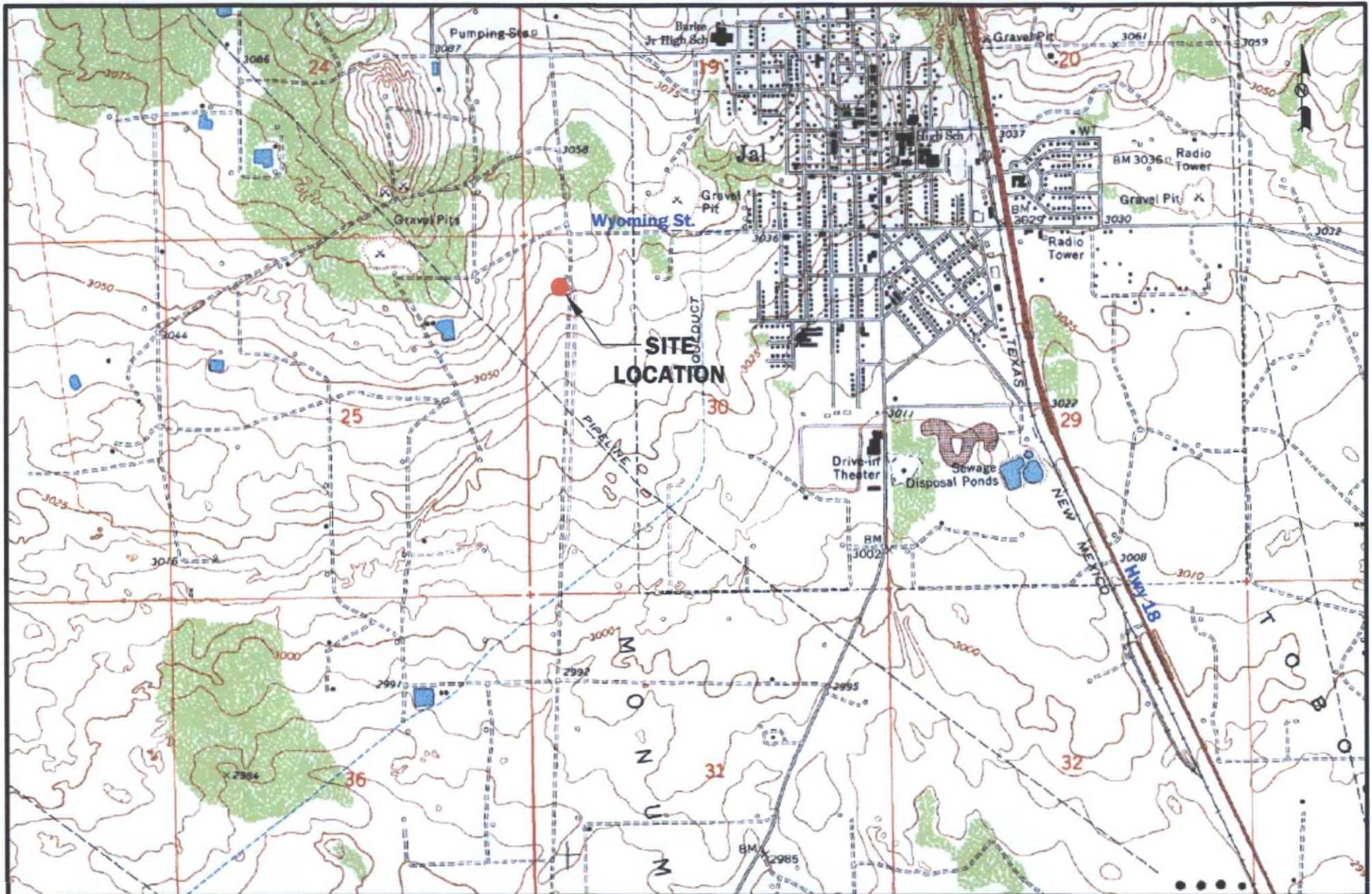
7.0 DISTRIBUTION:

Copy 1: Geoffrey Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 2: Rose Slade and Curt Stanley
Southern Union Gas Services
801 South Loop 464
Monahans, Texas 79756

Copy 3: Nova Safety & Environmental
2057 Commerce Street
Midland, Texas 79703

FIGURES



LEGEND:



Figure 1

Site Location Map
 Southern Union Gas Services
 Trunk O Fulfer
 Lea County, NM

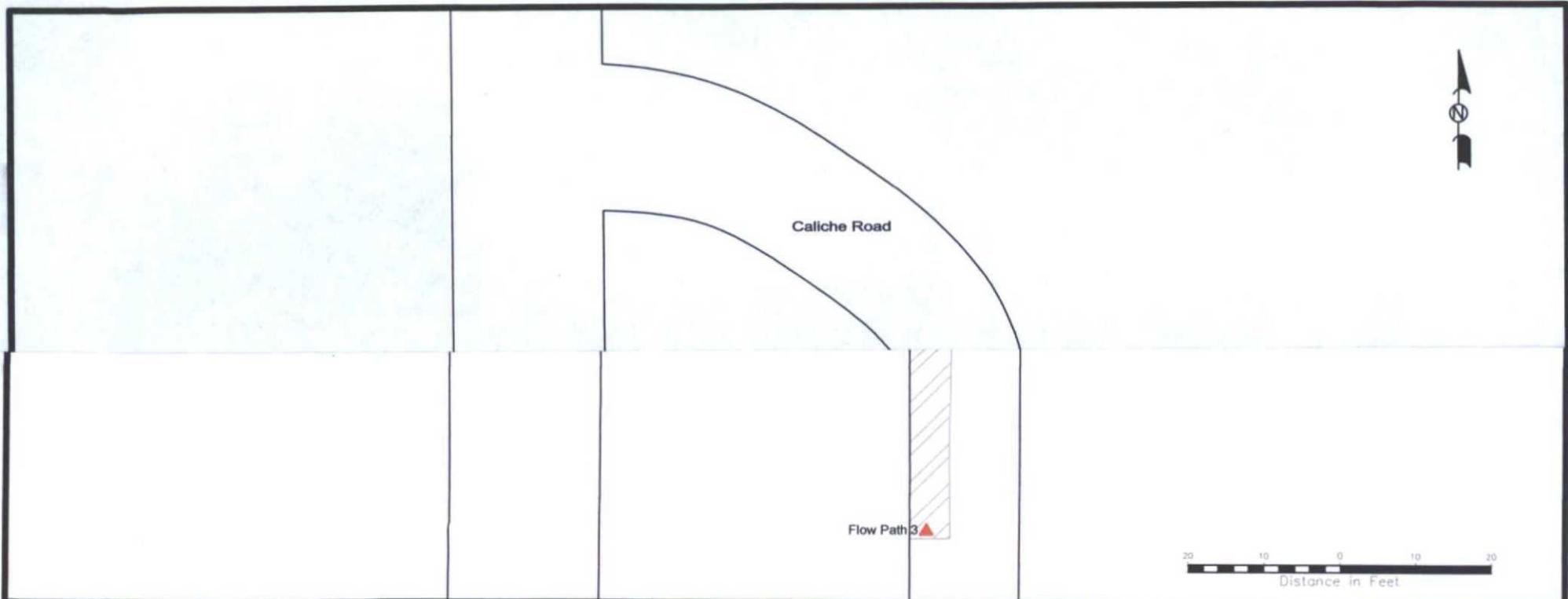


2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

August 5, 2011 | Scale: 1" = 2000' | CAD By: TA | Checked By: CJB

Lat. N 32° 06.380' Long. W 103° 12.482'



LEGEND:

Figure 2
 Site Details & Confirmation
 Soil Sample Locations
 Southern Union Gas Services
 Trunk O Fulfer
 Lea County, NM

		2057 Commerce Drive Midland, Texas 79703 432.520.7720	
safety and environmental		www.novasafetyandenvironmental.com	
August 31, 2011	Scale: 1" = 20'	CAD By: TA	Checked By: RKR
Lat. N 32° 06.380' Long. W 103° 12.482'		NW1/4 SE1/4 Sec 18 T18S R36E	

TABLES

TABLE 1

CONCENTRATIONS OF BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
TRUNK "O" FULFER RELEASE SITE
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b					METHOD: SW 8015M				E 300.1	
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
NMOCD Regulatory Limit		10	-	-	-	-	50	-	-	-	5,000	-
North S/W @ 8'	08/19/11	<0.00105	0.0078	0.0854	0.458	0.203	0.754	73	337	<15.8	410	72.2
West S/W-1 @ 8'	08/19/11	<0.00102	<0.00205	<0.00102	0.00409	0.00203	0.00612	<15.3	24.7	<15.3	24.7	67.1
East S/W-1 @ 8'	08/19/11	<0.00103	0.00327	0.00524	0.0343	0.0128	0.0556	<15.4	30.4	<15.4	30.4	10.9
R.P. Floor @ 9'	08/19/11	<0.00104	0.0219	0.103	0.489	0.0635	0.677	251	1290	<15.4	1,540	17.7
West S/W-2 @ 5'	08/19/11	0.00163	0.0114	0.00759	0.0318	0.0122	0.0646	<15.3	31.7	<15.3	31.7	13.2
East S/W-2 @ 5'	08/19/11	<0.00103	<0.00205	0.00137	0.00713	0.00349	0.012	<15.4	55.8	<15.4	55.8	34.3
Floor-2 @ 6'	08/19/11	<0.00105	<0.00210	<0.00105	<0.00210	<0.00105	<0.00105	<15.7	83.2	<15.7	83.2	2,200
East S/W-3 @ 7'	08/19/11	<0.00102	<0.00204	<0.00102	<0.00204	<0.00102	<0.00102	<15.3	22.5	<15.3	22.5	180
West S/W-3 @ 7'	08/19/11	<0.00101	<0.00202	0.00158	0.00774	0.00290	0.0122	<15.2	188	<15.2	188	18.9
Floor-3 @ 8'	08/19/11	<0.00105	<0.00211	<0.00105	<0.00211	<0.00105	<0.00105	29.1	92.3	<15.8	121	1,470
South S/W @ 7'	08/19/11	<0.00101	<0.00203	0.00154	0.00799	0.00282	0.0124	<15.4	66.1	<15.4	66.1	12.2
Flowpath-1	08/19/11	<0.00102	<0.00204	0.00275	0.0165	0.00573	0.025	<15.2	15.4	<15.2	15.4	<4.26
Flowpath-2	08/19/11	<0.00146	0.0058	0.00738	0.0518	0.0254	0.0904	64.3	782	<21.8	846	70.7
Flowpath-3	08/19/11	<0.00101	<0.00203	0.0012	0.00334	0.0013	0.00584	<15.2	35.9	<15.2	35.9	7.27
SP-AS	08/19/11	0.00468	0.127	0.0886	0.454	0.175	0.849	163	1300	38.1	1,500	230
SP-AN	08/19/11	0.00349	0.152	0.109	0.532	0.205	1.00	285	3000	196	3,480	1,190
SP-B1	08/19/11	<0.00101	0.0275	0.0625	0.369	0.160	0.619	401	3920	362	4,680	802
Floor-2 @ 10'	08/30/11	-	-	-	-	-	-	-	-	-	-	45.7
Floor-3 @ 13'	08/30/11	-	-	-	-	-	-	-	-	-	-	77.9
SP-AN-1	08/30/11	-	-	-	-	-	-	-	-	-	-	618
SP-B-2	08/30/11	-	-	-	-	-	-	-	-	-	-	580
SP-C	08/30/11	-	-	-	-	-	-	-	-	-	-	1,440

APPENDICES

**APPENDIX A:
Analytical Reports**

Analytical Report 426152
for
Southern Union Gas Services- Monahans

Project Manager: Curt Stanley
Trunk 'O' Fulfer

26-AUG-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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)



26-AUG-11

Project Manager: **Curt Stanley**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **426152**
Trunk 'O' Fulfer
Project Address: Lea Co., NM

Curt Stanley:

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 426152. 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. 426152 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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

Sample Cross Reference 426152

Southern Union Gas Services- Monahans, Monahans, TX

Trunk 'O' Fulfer

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
North S/W @ 8'	S	08-19-11 10:30		426152-001
West S/W-1 @ 8'	S	08-19-11 10:35		426152-002
East S/W-1 @ 8'	S	08-19-11 10:40		426152-003
R.P. Floor @ 9'	S	08-19-11 10:45		426152-004
West S/W-2 @ 5'	S	08-19-11 11:00		426152-005
East S/W-2 @ 5'	S	08-19-11 11:05		426152-006
Floor-2 @ 6'	S	08-19-11 11:10		426152-007
East S/W-3 @ 7'	S	08-19-11 11:20		426152-008
West S/W-3 @ 7'	S	08-19-11 11:25		426152-009
Floor- 3 @ 8'	S	08-19-11 11:30		426152-010
South S/W @ 7'	S	08-19-11 11:35		426152-011
Flowpath-1	S	08-19-11 11:40		426152-012
Flowpath-2	S	08-19-11 11:45		426152-013
Flowpath-3	S	08-19-11 11:50		426152-014



CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans

Project Name: Trunk 'O' Fulfer



Project ID:

Work Order Number: 426152

Report Date: 26-AUG-11

Date Received: 08/19/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-868184 TPH By SW8015 Mod
SW8015MOD_NM

Batch 868184, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 426152-013.

Batch: LBA-868410 BTEX by EPA 8021B
SW8021BM

Batch 868410, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 426152-014, -008, -006, -013, -007, -011, -005, -009, -001, -012, -004, -003, -010, -002.

The Laboratory Control Sample for Toluene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 868410, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 426152-001 S,426152-001 SD,426152-001,426152-004.

Certificate of Analysis Summary 426152
Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Curt Stanley

Project Location: Lea Co., NM

Project Name: Trunk 'O' Fulfer

Date Received in Lab: Fri Aug-19-11 03:38 pm

Report Date: 26-AUG-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426152-001	426152-002	426152-003	426152-004	426152-005	426152-006
	<i>Field Id:</i>	North S/W @ 8'	West S/W-1 @ 8'	East S/W-1 @ 8'	R.P. Floor @ 9'	West S/W-2 @ 5'	East S/W-2 @ 5'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Aug-19-11 10:30	Aug-19-11 10:35	Aug-19-11 10:40	Aug-19-11 10:45	Aug-19-11 11:00	Aug-19-11 11:05
Anions by E300	<i>Extracted:</i>	Aug-22-11 19:28					
	<i>Analyzed:</i>	Aug-22-11 19:28					
	<i>Units/RL:</i>	mg/kg RL					
Chloride		72.2 4.41	67.1 4.30	10.9 4.30	17.7 4.33	13.2 4.26	34.3 4.30
BTEX by EPA 8021B	<i>Extracted:</i>	Aug-25-11 14:30					
	<i>Analyzed:</i>	Aug-25-11 23:05	Aug-25-11 16:59	Aug-26-11 00:13	Aug-26-11 00:35	Aug-25-11 17:22	Aug-25-11 17:45
	<i>Units/RL:</i>	mg/kg RL					
Benzene		ND 0.00105	ND 0.00102	ND 0.00103	ND 0.00104	0.00163 0.00102	ND 0.00103
Toluene		0.00780 0.00211	ND 0.00205	0.00327 0.00207	0.0219 0.00208	0.0114 0.00204	ND 0.00205
Ethylbenzene		0.0854 0.00105	ND 0.00102	0.00524 0.00103	0.103 0.00104	0.00759 0.00102	0.00137 0.00103
m_p-Xylenes		0.458 0.00211	0.00409 0.00205	0.0343 0.00207	0.489 0.00208	0.0318 0.00204	0.00713 0.00205
o-Xylene		0.203 0.00105	0.00203 0.00102	0.0128 0.00103	0.0635 0.00104	0.0122 0.00102	0.00349 0.00103
Total Xylenes		0.661 0.00105	0.00612 0.00102	0.0471 0.00103	0.553 0.00104	0.0440 0.00102	0.0106 0.00103
Total BTEX		0.754 0.00105	0.00612 0.00102	0.0556 0.00103	0.677 0.00104	0.0646 0.00102	0.0120 0.00103
Percent Moisture	<i>Extracted:</i>	Aug-21-11 15:50	Aug-21-11 16:05				
	<i>Analyzed:</i>	Aug-21-11 15:50	Aug-21-11 16:05				
	<i>Units/RL:</i>	% RL					
Percent Moisture		4.80 1.00	2.24 1.00	2.40 1.00	2.96 1.00	1.37 1.00	2.24 1.00
TPH By SW8015 Mod	<i>Extracted:</i>	Aug-22-11 10:45					
	<i>Analyzed:</i>	Aug-23-11 07:22	Aug-23-11 07:52	Aug-23-11 08:22	Aug-23-11 08:51	Aug-23-11 09:21	Aug-23-11 09:51
	<i>Units/RL:</i>	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		73.0 15.8	ND 15.3	ND 15.4	251 15.4	ND 15.3	ND 15.4
C12-C28 Diesel Range Hydrocarbons		337 15.8	24.7 15.3	30.4 15.4	1290 15.4	31.7 15.3	55.8 15.4
C28-C35 Oil Range Hydrocarbons		ND 15.8	ND 15.3	ND 15.4	ND 15.4	ND 15.3	ND 15.4
Total TPH		410 15.8	24.7 15.3	30.4 15.4	1540 15.4	31.7 15.3	55.8 15.4

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Brent Barron II
 Odessa Laboratory Manager

Certificate of Analysis Summary 426152
Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Curt Stanley

Project Location: Lea Co., NM

Project Name: Trunk 'O' Fulfer

Date Received in Lab: Fri Aug-19-11 03:38 pm

Report Date: 26-AUG-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426152-007	426152-008	426152-009	426152-010	426152-011	426152-012
	<i>Field Id:</i>	Floor-2 @ 6'	East S/W-3 @ 7'	West S/W-3 @ 7'	Floor- 3 @ 8'	South S/W @ 7'	Flowpath-1
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
<i>Sampled:</i>	Aug-19-11 11:10	Aug-19-11 11:20	Aug-19-11 11:25	Aug-19-11 11:30	Aug-19-11 11:35	Aug-19-11 11:40	
Anions by E300	<i>Extracted:</i>	Aug-22-11 19:28	Aug-23-11 18:23				
	<i>Analyzed:</i>	Aug-22-11 19:28	Aug-23-11 18:23				
	<i>Units/RL:</i>	mg/kg RL					
Chloride		2200 43.8	180 4.27	18.9 4.25	1470 22.0	12.2 4.30	ND 4.26
BTEX by EPA 8021B	<i>Extracted:</i>	Aug-25-11 14:30					
	<i>Analyzed:</i>	Aug-25-11 18:08	Aug-25-11 18:31	Aug-25-11 18:54	Aug-25-11 19:17	Aug-25-11 19:40	Aug-25-11 20:02
	<i>Units/RL:</i>	mg/kg RL					
Benzene		ND 0.00105	ND 0.00102	ND 0.00101	ND 0.00105	ND 0.00101	ND 0.00102
Toluene		ND 0.00210	ND 0.00204	ND 0.00202	ND 0.00211	ND 0.00203	ND 0.00204
Ethylbenzene		ND 0.00105	ND 0.00102	0.00158 0.00101	ND 0.00105	0.00154 0.00101	0.00275 0.00102
m_p-Xylenes		ND 0.00210	ND 0.00204	0.00774 0.00202	ND 0.00211	0.00799 0.00203	0.0165 0.00204
o-Xylene		ND 0.00105	ND 0.00102	0.00290 0.00101	ND 0.00105	0.00282 0.00101	0.00573 0.00102
Total Xylenes		ND 0.00105	ND 0.00102	0.0106 0.00101	ND 0.00105	0.0108 0.00101	0.0222 0.00102
Total BTEX		ND 0.00105	ND 0.00102	0.0122 0.00101	ND 0.00105	0.0124 0.00101	0.0250 0.00102
Percent Moisture	<i>Extracted:</i>	Aug-21-11 16:05					
	<i>Analyzed:</i>	Aug-21-11 16:05					
	<i>Units/RL:</i>	% RL					
Percent Moisture		4.21 1.00	1.57 1.00	1.23 1.00	4.65 1.00	2.37 1.00	1.49 1.00
TPH By SW8015 Mod	<i>Extracted:</i>	Aug-22-11 10:45					
	<i>Analyzed:</i>	Aug-23-11 10:21	Aug-23-11 10:51	Aug-23-11 11:52	Aug-24-11 01:56	Aug-24-11 02:26	Aug-24-11 02:55
	<i>Units/RL:</i>	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 15.7	ND 15.3	ND 15.2	29.1 15.8	ND 15.4	ND 15.2
C12-C28 Diesel Range Hydrocarbons		83.2 15.7	22.5 15.3	188 15.2	92.3 15.8	66.1 15.4	15.4 15.2
C28-C35 Oil Range Hydrocarbons		ND 15.7	ND 15.3	ND 15.2	ND 15.8	ND 15.4	ND 15.2
Total TPH		83.2 15.7	22.5 15.3	188 15.2	121 15.8	66.1 15.4	15.4 15.2

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Brent Barron II
Odessa Laboratory Manager



Certificate of Analysis Summary 426152

Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Curt Stanley

Project Location: Lea Co., NM

Project Name: Trunk 'O' Fulfer

Date Received in Lab: Fri Aug-19-11 03:38 pm

Report Date: 26-AUG-11

Project Manager: Brent Barron II

Analysis Requested	<i>Lab Id:</i>	426152-013	426152-014			
	<i>Field Id:</i>	Flowpath-2	Flowpath-3			
	<i>Depth:</i>					
	<i>Matrix:</i>	SOIL	SOIL			
	<i>Sampled:</i>	Aug-19-11 11:45	Aug-19-11 11:50			
Anions by E300	<i>Extracted:</i>					
	<i>Analyzed:</i>	Aug-23-11 18:23	Aug-23-11 18:23			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			
Chloride		70.7 6.09	7.27 4.25			
BTEX by EPA 8021B	<i>Extracted:</i>	Aug-25-11 14:30	Aug-25-11 14:30			
	<i>Analyzed:</i>	Aug-25-11 20:25	Aug-25-11 21:57			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			
Benzene		ND 0.00146	ND 0.00101			
Toluene		0.00580 0.00293	ND 0.00203			
Ethylbenzene		0.00738 0.00146	0.00120 0.00101			
m_p-Xylenes		0.0518 0.00293	0.00334 0.00203			
o-Xylene		0.0254 0.00146	0.00130 0.00101			
Total Xylenes		0.0772 0.00146	0.00464 0.00101			
Total BTEX		0.0904 0.00146	0.00584 0.00101			
Percent Moisture	<i>Extracted:</i>					
	<i>Analyzed:</i>	Aug-21-11 16:05	Aug-21-11 16:05			
	<i>Units/RL:</i>	% RL	% RL			
Percent Moisture		31.0 1.00	1.11 1.00			
TPH By SW8015 Mod	<i>Extracted:</i>	Aug-22-11 10:45	Aug-22-11 10:45			
	<i>Analyzed:</i>	Aug-24-11 03:26	Aug-24-11 03:56			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons		64.3 21.8	ND 15.2			
C12-C28 Diesel Range Hydrocarbons		782 21.8	35.9 15.2			
C28-C35 Oil Range Hydrocarbons		ND 21.8	ND 15.2			
Total TPH		846 21.8	35.9 15.2			

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Brent Barron II
Odessa Laboratory 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 quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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

+ Outside XENCO's scope of NELAC Accreditation.

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Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868184

Sample: 426152-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 07:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	64.3	50.2	128	70-135	

Lab Batch #: 868184

Sample: 426152-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 07:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.9	109	70-135	
o-Terphenyl	60.0	50.0	120	70-135	

Lab Batch #: 868184

Sample: 426152-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 08:22

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	58.1	50.2	116	70-135	

Lab Batch #: 868184

Sample: 426152-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 08:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	99.8	123	70-135	
o-Terphenyl	58.9	49.9	118	70-135	

Lab Batch #: 868184

Sample: 426152-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 09:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	63.4	50.2	126	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.



Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868184

Sample: 426152-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 09:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	58.1	50.1	116	70-135	

Lab Batch #: 868184

Sample: 426152-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 10:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	64.5	50.2	128	70-135	

Lab Batch #: 868184

Sample: 426152-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 10:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.3	101	97	70-135	
o-Terphenyl	54.7	50.3	109	70-135	

Lab Batch #: 868184

Sample: 426152-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 11:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.5	100	100	70-135	
o-Terphenyl	55.3	50.2	110	70-135	

Lab Batch #: 868184

Sample: 426152-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 01:56

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	58.4	50.2	116	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.



Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868184

Sample: 426152-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 02:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.4	101	95	70-135	
o-Terphenyl	54.8	50.3	109	70-135	

Lab Batch #: 868184

Sample: 426152-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 02:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.6	110	70-135	
o-Terphenyl	62.6	49.8	126	70-135	

Lab Batch #: 868184

Sample: 426152-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 03:26

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	100	135	70-135	
o-Terphenyl	78.4	50.2	156	70-135	*

Lab Batch #: 868184

Sample: 426152-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 03:56

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	57.6	50.1	115	70-135	

Lab Batch #: 868410

Sample: 426152-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 16:59

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	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' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868410

Sample: 426152-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 17:22

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 868410

Sample: 426152-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 17:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0305	0.0300	102	80-120	

Lab Batch #: 868410

Sample: 426152-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 18:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 868410

Sample: 426152-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 18:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 868410

Sample: 426152-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 18:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	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' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868410

Sample: 426152-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 19:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 868410

Sample: 426152-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 19:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0331	0.0300	110	80-120	

Lab Batch #: 868410

Sample: 426152-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 20:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 868410

Sample: 426152-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 20:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 868410

Sample: 426152-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 21:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	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' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868410

Sample: 426152-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/25/11 23:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0684	0.0300	228	80-120	*

Lab Batch #: 868410

Sample: 426152-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 00:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 868410

Sample: 426152-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 00:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0242	0.0300	81	80-120	
4-Bromofluorobenzene	0.0942	0.0300	314	80-120	*

Lab Batch #: 868184

Sample: 610369-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/23/11 05:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	99.9	101	70-135	
o-Terphenyl	55.9	50.0	112	70-135	

Lab Batch #: 868410

Sample: 610488-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/25/11 16:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	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' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868184

Sample: 610369-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/23/11 04:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	99.6	126	70-135	
o-Terphenyl	65.7	49.8	132	70-135	

Lab Batch #: 868410

Sample: 610488-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/25/11 15:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 868184

Sample: 610369-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/23/11 05:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	59.0	50.2	118	70-135	

Lab Batch #: 868410

Sample: 610488-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/25/11 15:28

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 868184

Sample: 426152-014 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 06:25

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	61.4	50.2	122	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.

Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders 426152,

Project ID:

Lab Batch #: 868410

Sample: 426152-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 02:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0422	0.0300	141	80-120	*

Lab Batch #: 868184

Sample: 426152-014 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 06:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	119	99.6	119	70-135	
o-Terphenyl	64.2	49.8	129	70-135	

Lab Batch #: 868410

Sample: 426152-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 02:29

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0496	0.0300	165	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.



Project Name: Trunk 'O' Fulfer

Work Order #: 426152

Analyst: ASA

Lab Batch ID: 868410

Units: mg/kg

Date Prepared: 08/25/2011

Sample: 610488-1-BKS

Batch #: 1

Project ID:

Date Analyzed: 08/25/2011

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	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
Analytes											
Benzene	<0.00100	0.100	0.110	110	0.100	0.110	110	0	70-130	35	
Toluene	<0.00200	0.100	0.0981	98	0.100	0.0975	98	1	70-130	35	
Ethylbenzene	<0.00100	0.100	0.109	109	0.100	0.108	108	1	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.218	109	0.200	0.215	108	1	70-135	35	
o-Xylene	<0.00100	0.100	0.101	101	0.100	0.103	103	2	71-133	35	

Analyst: BRB

Date Prepared: 08/22/2011

Date Analyzed: 08/22/2011

Lab Batch ID: 867991

Sample: 867991-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Analytes											
Chloride	<4.20	100	106	106	100	107	107	1	75-125	20	

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

Project Name: Trunk 'O' Fulfer

Work Order #: 426152

Analyst: BRB

Lab Batch ID: 868301

Sample: 868301-1-BKS

Units: mg/kg

Date Prepared: 08/23/2011

Batch #: 1

Project ID:

Date Analyzed: 08/23/2011

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Analytes											
Chloride	<4.20	100	106	106	100	107	107	1	75-125	20	

Analyst: BBH

Date Prepared: 08/22/2011

Date Analyzed: 08/23/2011

Lab Batch ID: 868184

Sample: 610369-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	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
Analytes											
C6-C12 Gasoline Range Hydrocarbons	<14.9	996	831	83	1000	798	80	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<14.9	996	923	93	1000	851	85	8	70-135	35	

Relative Percent Difference RPD = $200 * \frac{(C-F)}{(C+F)}$

Blank Spike Recovery [D] = $100 * \frac{(C)}{[B]}$

Blank Spike Duplicate Recovery [G] = $100 * \frac{(F)}{[E]}$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Trunk 'O' Fulfer

Work Order #: 426152
Lab Batch #: 867991
Date Analyzed: 08/22/2011
QC- Sample ID: 426155-001 S
Reporting Units: mg/kg

Date Prepared: 08/22/2011

Project ID:
Analyst: BRB
Batch #: 1
Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	11500	5140	15600	80	75-125	

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



Form 3 - MS / MSD Recoveries

Project Name: Trunk 'O' Fulfer

Work Order #: 426152

Project ID:

Lab Batch ID: 868410

QC- Sample ID: 426152-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 08/26/2011

Date Prepared: 08/25/2011

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	<0.00105	0.105	0.0921	88	0.105	0.0892	85	3	70-130	35	
Toluene	0.00780	0.105	0.0783	67	0.105	0.0739	63	6	70-130	35	X
Ethylbenzene	0.0854	0.105	0.0798	0	0.105	0.0719	0	10	71-129	35	X
m_p-Xylenes	0.458	0.210	0.160	0	0.211	0.147	0	8	70-135	35	X
o-Xylene	0.203	0.105	0.0759	0	0.105	0.0699	0	8	71-133	35	X

Lab Batch ID: 868184

QC- Sample ID: 426152-014 S

Batch #: 1 Matrix: Soil

Date Analyzed: 08/24/2011

Date Prepared: 08/22/2011

Analyst: BBH

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	<15.2	1010	763	76	1010	784	78	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	35.9	1010	928	88	1010	935	89	1	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 Applicable, N = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery



Project Name: Trunk 'O' Fulfer

Work Order #: 426152

Lab Batch #: 867991
Date Analyzed: 08/22/2011 19:28
QC- Sample ID: 426155-001 D
Reporting Units: mg/kg

Date Prepared: 08/22/2011
Batch #: 1

Project ID:
Analyst: BRB
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	11500	11400	1	20	

Lab Batch #: 867874
Date Analyzed: 08/21/2011 15:50
QC- Sample ID: 426157-019 D
Reporting Units: %

Date Prepared: 08/21/2011
Batch #: 1

Analyst: BRB
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	1.38	1.28	8	20	

Lab Batch #: 867877
Date Analyzed: 08/21/2011 16:05
QC- Sample ID: 426152-006 D
Reporting Units: %

Date Prepared: 08/21/2011
Batch #: 1

Analyst: BRB
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	2.24	2.12	6	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
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Southern Union Gas
 Date/Time: 8-19-11 15:38
 Lab ID #: 426152
 Initials: SM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>4.1</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 426199
for
Southern Union Gas Services- Monahans

Project Manager: Rose Slade
Trunk 'O' Fulfer

29-AUG-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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)



29-AUG-11

Project Manager: **Rose Slade**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **426199**
Trunk 'O' Fulfer
Project Address: Lea County, New Mexico

Rose Slade:

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 426199. 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. 426199 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

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Sample Cross Reference 426199



Southern Union Gas Services- Monahans, Monahans, TX
Trunk 'O' Fulfer

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP- A S	S	08-19-11 14:20		426199-001
SP- A N	S	08-19-11 14:30		426199-002
SP- B 1	S	08-19-11 14:40		426199-003



CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans
Project Name: Trunk 'O' Fulfer



Project ID:
Work Order Number: 426199

Report Date: 29-AUG-11
Date Received: 08/22/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-868200 TPH By SW8015 Mod
SW8015MOD_NM

Batch 868200, o-Terphenyl recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 426199-002.

Batch: LBA-868554 BTEX by EPA 8021B
SW8021BM

Batch 868554, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 426199-002.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 426199-003.

SW8021BM

Batch 868554, Benzene, Ethylbenzene recovered above QC limits in the Blank Spike Duplicate. Samples affected are: 426199-001, -002, -003. These compounds were within limits in the Blank Spike as well as the Matrix Spike and Matrix Spike Duplicate. This is most likely a spiking error and should have no effect to the analytical data.



Certificate of Analysis Summary 426199

Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Rose Slade

Project Location: Lea County, New Mexico

Project Name: Trunk 'O' Fulfer

Date Received in Lab: Mon Aug-22-11 10:10 am

Report Date: 29-AUG-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426199-001	426199-002	426199-003			
	<i>Field Id:</i>	SP- A S	SP- A N	SP- B 1			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Aug-19-11 14:20	Aug-19-11 14:30	Aug-19-11 14:40			
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-26-11 10:03	Aug-26-11 10:03	Aug-26-11 17:23			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		230 21.1	1190 42.3	802 42.3			
BTEX by EPA 8021B	<i>Extracted:</i>	Aug-26-11 14:30	Aug-26-11 14:30	Aug-26-11 14:30			
	<i>Analyzed:</i>	Aug-27-11 02:17	Aug-27-11 02:39	Aug-27-11 01:08			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		0.00468 0.00100	0.00349 0.00101	ND 0.00101			
Toluene		0.127 0.00200	0.152 0.00201	0.0275 0.00201			
Ethylbenzene		0.0886 0.00100	0.109 0.00101	0.0625 0.00101			
m_p-Xylenes		0.454 0.00200	0.532 0.00201	0.369 0.00201			
o-Xylene		0.175 0.00100	0.205 0.00101	0.160 0.00101			
Total Xylenes		0.629 0.00100	0.737 0.00101	0.529 0.00101			
Total BTEX		0.849 0.00100	1.00 0.00101	0.619 0.00101			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-22-11 11:20	Aug-22-11 11:20	Aug-22-11 11:20			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		ND 1.00	ND 1.00	ND 1.00			
TPH By SW8015 Mod	<i>Extracted:</i>	Aug-22-11 10:45	Aug-22-11 11:50	Aug-22-11 11:50			
	<i>Analyzed:</i>	Aug-24-11 05:54	Aug-22-11 15:47	Aug-22-11 16:17			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons		163 15.0	285 15.0	401 15.2			
C10-C28 Diesel Range Hydrocarbons		1300 15.0	3000 15.0	3920 15.2			
C28-C35 Oil Range Hydrocarbons		38.1 15.0	196 15.0	362 15.2			
Total TPH		1500 15.0	3480 15.0	4680 15.2			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II
Odessa Laboratory 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 quantitation limit and above the detection limit.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
 - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- 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
- + Outside XENCO's scope of NELAC Accreditation.

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(770) 449-8800	(770) 449-5477
(602) 437-0330	



Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders : 426199,

Project ID:

Lab Batch #: 868200

Sample: 426199-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/22/11 15:47

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	99.6	127	70-135	
o-Terphenyl	22.6	49.8	45	70-135	**

Lab Batch #: 868200

Sample: 426199-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/22/11 16:17

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	101	120	70-135	
o-Terphenyl	61.4	50.3	122	70-135	

Lab Batch #: 868184

Sample: 426199-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 05:54

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.6	113	70-135	
o-Terphenyl	54.4	49.8	109	70-135	

Lab Batch #: 868554

Sample: 426199-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/27/11 01:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0454	0.0300	151	80-120	*

Lab Batch #: 868554

Sample: 426199-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/27/11 02:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0259	0.0300	86	80-120	
4-Bromofluorobenzene	0.0331	0.0300	110	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' Fulfer

Work Orders : 426199,

Project ID:

Lab Batch #: 868554

Sample: 426199-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/27/11 02:39

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0234	0.0300	78	80-120	*
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

Lab Batch #: 868200

Sample: 610373-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/22/11 13:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.5	99.8	91	70-135	
o-Terphenyl	48.4	49.9	97	70-135	

Lab Batch #: 868184

Sample: 610369-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/23/11 05:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	99.9	101	70-135	
o-Terphenyl	55.9	50.0	112	70-135	

Lab Batch #: 868554

Sample: 610570-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/26/11 18:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0258	0.0300	86	80-120	
4-Bromofluorobenzene	0.0246	0.0300	82	80-120	

Lab Batch #: 868200

Sample: 610373-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 08/22/11 12:45

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	101	106	70-135	
o-Terphenyl	48.8	50.3	97	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.

Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders : 426199,

Project ID:

Lab Batch #: 868184

Sample: 610369-1-BKS / BKS

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 08/23/11 04:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	99.6	126	70-135	
o-Terphenyl	65.7	49.8	132	70-135	

Lab Batch #: 868554

Sample: 610570-1-BKS / BKS

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 08/26/11 17:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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	0.0256	0.0300	85	80-120	

Lab Batch #: 868200

Sample: 610373-1-BSD / BSD

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 08/22/11 13:15

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.6	111	70-135	
o-Terphenyl	48.3	49.8	97	70-135	

Lab Batch #: 868184

Sample: 610369-1-BSD / BSD

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 08/23/11 05:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	59.0	50.2	118	70-135	

Lab Batch #: 868554

Sample: 610570-1-BSD / BSD

Batch: 1 **Matrix:** Solid

Units: mg/kg

Date Analyzed: 08/26/11 17:34

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	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' Fulfer

Work Orders : 426199,

Project ID:

Lab Batch #: 868200

Sample: 426135-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 01:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	99.7	115	70-135	
o-Terphenyl	57.1	49.9	114	70-135	

Lab Batch #: 868184

Sample: 426152-014 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 06:25

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	61.4	50.2	122	70-135	

Lab Batch #: 868554

Sample: 426524-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 22:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 868200

Sample: 426135-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/23/11 01:50

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	48.8	50.1	97	70-135	

Lab Batch #: 868184

Sample: 426152-014 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/24/11 06:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	99.6	119	70-135	
o-Terphenyl	64.2	49.8	129	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.



Form 2 - Surrogate Recoveries

Project Name: Trunk 'O' Fulfer

Work Orders : 426199,

Lab Batch #: 868554

Sample: 426524-001 SD / MSD

Project ID:

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 08/26/11 23:16

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	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.

Project Name: Trunk 'O' Fulfer

Work Order #: 426199

Analyst: ASA

Lab Batch ID: 868554

Sample: 610570-1-BKS

Units: mg/kg

Date Prepared: 08/26/2011

Batch #: 1

Project ID:

Date Analyzed: 08/26/2011

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	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
Analytes											
Benzene	<0.00100	0.100	0.106	106	0.100	0.137	137	26	70-130	35	H
Toluene	<0.00200	0.100	0.0923	92	0.100	0.122	122	28	70-130	35	
Ethylbenzene	<0.00100	0.100	0.102	102	0.100	0.133	133	26	71-129	35	H
m_p-Xylenes	<0.00200	0.200	0.203	102	0.200	0.264	132	26	70-135	35	
o-Xylene	<0.00100	0.100	0.0954	95	0.100	0.121	121	24	71-133	35	

Analyst: BRB

Date Prepared: 08/26/2011

Date Analyzed: 08/26/2011

Lab Batch ID: 868503

Sample: 868503-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Analytes											
Chloride	<0.840	20.0	22.7	114	20.0	22.5	113	1	75-125	20	

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

Project Name: Trunk 'O' Fulfer

Work Order #: 426199

Analyst: BRB

Lab Batch ID: 868504

Sample: 868504-1-BKS

Date Prepared: 08/26/2011

Batch #: 1

Project ID:

Date Analyzed: 08/26/2011

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Chloride	<4.20	100	116	116	100	114	114	2	75-125	20	

Analyst: BBH

Date Prepared: 08/22/2011

Date Analyzed: 08/23/2011

Lab Batch ID: 868184

Sample: 610369-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	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	<14.9	996	831	83	1000	798	80	4	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<14.9	996	923	93	1000	851	85	8	70-135	35	

Analyst: BBH

Date Prepared: 08/22/2011

Date Analyzed: 08/22/2011

Lab Batch ID: 868200

Sample: 610373-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	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	<15.1	1010	731	72	996	742	74	1	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.1	1010	784	78	996	779	78	1	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' Fulfer

Work Order #: 426199
 Lab Batch #: 868503
 Date Analyzed: 08/26/2011
 QC- Sample ID: 426199-003 S
 Reporting Units: mg/kg

Date Prepared: 08/26/2011
 Batch #: 1

Project ID:
 Analyst: BRB
 Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	802	1010	1870	106	75-125	

Lab Batch #: 868504
 Date Analyzed: 08/26/2011
 QC- Sample ID: 426157-004 S
 Reporting Units: mg/kg

Date Prepared: 08/26/2011
 Batch #: 1

Analyst: BRB
 Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	6530	1110	7610	97	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
 BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: Trunk 'O' Fulfer

Work Order #: 426199

Project ID:

Lab Batch ID: 868554

QC- Sample ID: 426524-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 08/26/2011

Date Prepared: 08/26/2011

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	<0.00103	0.103	0.0880	85	0.103	0.0926	90	5	70-130	35	
Toluene	<0.00206	0.103	0.0790	77	0.103	0.0812	79	3	70-130	35	
Ethylbenzene	<0.00103	0.103	0.0849	82	0.103	0.0877	85	3	71-129	35	
m_p-Xylenes	<0.00206	0.206	0.165	80	0.206	0.171	83	4	70-135	35	
o-Xylene	<0.00103	0.103	0.0768	75	0.103	0.0796	77	4	71-133	35	

Lab Batch ID: 868184

QC- Sample ID: 426152-014 S

Batch #: 1 Matrix: Soil

Date Analyzed: 08/24/2011

Date Prepared: 08/22/2011

Analyst: BBH

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	<15.2	1010	763	76	1010	784	78	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	35.9	1010	928	88	1010	935	89	1	70-135	35	

Lab Batch ID: 868200

QC- Sample ID: 426135-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 08/23/2011

Date Prepared: 08/22/2011

Analyst: BBH

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	<15.6	1040	805	77	1050	780	74	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	17.7	1040	917	86	1050	892	83	3	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 Applicable, N = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery



Project Name: Trunk 'O' Fulfer

Work Order #: 426199

Lab Batch #: 868503
Date Analyzed: 08/26/2011 17:23
QC- Sample ID: 426199-003 D
Reporting Units: mg/kg

Project ID:
Analyst: BRB
Batch #: 1
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	802	827	3	20	

Lab Batch #: 868504
Date Analyzed: 08/26/2011 10:03
QC- Sample ID: 426157-004 D
Reporting Units: mg/kg

Date Prepared: 08/26/2011
Analyst: BRB
Batch #: 1
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	6530	6440	1	20	

Lab Batch #: 868018
Date Analyzed: 08/22/2011 11:20
QC- Sample ID: 426194-001 D
Reporting Units: %

Date Prepared: 08/22/2011
Analyst: BRB
Batch #: 1
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	4.99	4.93	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
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Nova Safety & Env.
 Date/Time: 8-22-11 10:10
 Lab ID #: 426199
 Initials: SM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 426772
for
Southern Union Gas Services- Monahans

Project Manager: Curt Stanley
Trunk "O" Fulfer

02-SEP-11

Collected By: Client



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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)
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Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

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Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



02-SEP-11

Project Manager: **Curt Stanley**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **426772**
Trunk "O" Fulfer
Project Address: Lea County, New Mexico

Curt Stanley:

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 426772. 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. 426772 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

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Sample Cross Reference 426772



Southern Union Gas Services- Monahans, Monahans, TX
Trunk "O" Fulfer

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-AN-1	S	08-30-11 11:00		426772-001
SP-B-2	S	08-30-11 11:15		426772-002
Floor-2 @10'	S	08-30-11 11:30		426772-003
Floor-3 @13'	S	08-30-11 15:30		426772-004



CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans

Project Name: Trunk "O" Fulfer



Project ID:

Work Order Number: 426772

Report Date: 02-SEP-11

Date Received: 08/31/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 426772
Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Curt Stanley

Project Location: Lea County, New Mexico

Project Name: Trunk "O" Fulfer

Date Received in Lab: Wed Aug-31-11 09:02 am

Report Date: 02-SEP-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426772-001	426772-002	426772-003	426772-004		
	<i>Field Id:</i>	SP-AN-1	SP-B-2	Floor-2 @10'	Floor-3 @13'		
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Aug-30-11 11:00	Aug-30-11 11:15	Aug-30-11 11:30	Aug-30-11 15:30		
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-31-11 18:04	Aug-31-11 18:04	Aug-31-11 18:04	Aug-31-11 18:04		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		618 8.45	580 21.1	45.7 4.28	77.9 4.35		
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-31-11 11:57	Aug-31-11 11:57	Aug-31-11 11:57	Aug-31-11 11:57		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		ND 1.00	ND 1.00	1.85 1.00	3.54 1.00		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II
 Odessa Laboratory 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 quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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

+ Outside XENCO's scope of NELAC Accreditation.

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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

BS / BSD Recoveries



Project Name: Trunk "O" Fulfer

Work Order #: 426772

Analyst: BRB

Lab Batch ID: 868916

Units: mg/kg

Sample: 868916-1-BKS

Date Prepared: 08/31/2011

Batch #: 1

Project ID:

Date Analyzed: 08/31/2011

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Analytes											
Chloride	<0.840	20.0	21.8	109	20.0	21.8	109	0	75-125	20	

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" Fulfer

Work Order #: 426772
Lab Batch #: 868916
Date Analyzed: 08/31/2011
QC- Sample ID: 426772-001 S
Reporting Units: mg/kg

Date Prepared: 08/31/2011

Project ID:
Analyst: BRB
Batch #: 1
Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	618	201	811	96	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
BRL - Below Reporting Limit

Sample Duplicate Recovery



Project Name: Trunk "O" Fulfer

Work Order #: 426772

Lab Batch #: 868916
Date Analyzed: 08/31/2011 18:04
QC- Sample ID: 426772-001 D
Reporting Units: mg/kg

Project ID:

Date Prepared: 08/31/2011 **Analyst: BRB**
Batch #: 1 **Matrix: Soil**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	618	619	0	20	

Lab Batch #: 868906
Date Analyzed: 08/31/2011 11:40
QC- Sample ID: 426766-001 D
Reporting Units: %

Date Prepared: 08/31/2011 **Analyst: BRB**
Batch #: 1 **Matrix: Soil**

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	2.32	2.33	0	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
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Southern Union Gas
 Date/Time: 8-31-11 9:02
 Lab ID #: 426772
 Initials: PM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 426773
for
Southern Union Gas Services- Monahans

Project Manager: Curt Stanley
Trunk "O" Fulfer

01-SEP-11

Collected By: Client



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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)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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)



01-SEP-11

Project Manager: **Curt Stanley**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **426773**
Trunk "O" Fulfer
Project Address: Lea County, New Mexico

Curt Stanley:

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 426773. 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. 426773 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

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.*

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Sample Cross Reference 426773



Southern Union Gas Services- Monahans, Monahans, TX
Trunk "O" Fulfer

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-C	S	08-30-11 16:00		426773-001



CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans
Project Name: Trunk "O" Fulfer



Project ID:
Work Order Number: 426773

Report Date: 01-SEP-11
Date Received: 08/31/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 426773
Southern Union Gas Services- Monahans, Monahans, TX



Project Id:

Contact: Curt Stanley

Project Location: Lea County, New Mexico

Project Name: Trunk "O" Fulfer

Date Received in Lab: Wed Aug-31-11 09:02 am

Report Date: 01-SEP-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426773-001				
	<i>Field Id:</i>	SP-C				
	<i>Depth:</i>					
	<i>Matrix:</i>	SOIL				
	<i>Sampled:</i>	Aug-30-11 16:00				
Anions by E300	<i>Extracted:</i>					
	<i>Analyzed:</i>	Aug-31-11 18:04				
	<i>Units/RL:</i>	mg/kg RL				
Chloride		1440 21.5				
Percent Moisture	<i>Extracted:</i>					
	<i>Analyzed:</i>	Aug-31-11 11:57				
	<i>Units/RL:</i>	% RL				
Percent Moisture		2.21 1.00				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron II
 Odessa Laboratory 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 quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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

+ Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

BS / BSD Recoveries



Project Name: Trunk "O" Fulfer

Work Order #: 426773

Analyst: BRB

Lab Batch ID: 868916

Units: mg/kg

Sample: 868916-1-BKS

Date Prepared: 08/31/2011

Batch #: 1

Project ID:

Date Analyzed: 08/31/2011

Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

	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
Anions by E300											
Analytes											
Chloride	<0.840	20.0	21.8	109	20.0	21.8	109	0	75-125	20	

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" Fulfer

Work Order #: 426773
Lab Batch #: 868916
Date Analyzed: 08/31/2011
QC- Sample ID: 426772-001 S
Reporting Units: mg/kg

Date Prepared: 08/31/2011

Project ID:
Analyst: BRB
Batch #: 1
Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	618	201	811	96	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
BRL - Below Reporting Limit

Sample Duplicate Recovery



Project Name: Trunk "O" Fulfer

Work Order #: 426773

Lab Batch #: 868916

Date Analyzed: 08/31/2011 18:04

QC- Sample ID: 426772-001 D

Reporting Units: mg/kg

Date Prepared: 08/31/2011

Batch #: 1

Project ID:

Analyst: BRB

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	618	619	0	20	

Lab Batch #: 868906

Date Analyzed: 08/31/2011 11:40

QC- Sample ID: 426766-001 D

Reporting Units: %

Date Prepared: 08/31/2011

Batch #: 1

Analyst: BRB

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	2.32	2.33	0	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
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Southern Union Gas
 Date/Time: 8-31-11 9.02
 Lab ID #: 426773
 Initials: SM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

**APPENDIX B:
Photographs**

Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 1

Direction:
Facing Southeast

Description:
View of the initial release.



Photograph No. 2

Direction:
Facing South

Description:
View of the initial release.



Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 3

Direction:
Facing Southeast

Description:
View of excavation
activities along the flow
path.



Photograph No. 4

Direction:
Facing Southeast

Description:
View of excavation
activities.



Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 5

Direction:
Facing South

Description:
View of excavation
activities along the flow
path.



Photograph No. 6

Direction:
Facing North

Description:
View of excavation.



Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 7

Direction:
Facing South

Description:
View of backfilling
activities.



Photograph No. 8

Direction:
Facing South

Description:
View of backfilling
activities.



Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 9

Direction:
Facing South.

Description:
View of site restoration activities.



Photograph No. 10

Direction:
Facing South.

Description:
View of restored site.



Client: Southern Union Gas Services
Project Name: Trunk "O" Fulfer

Prepared by: NOVA
Location: Lea County, New Mexico

Photograph No. 11

Direction:
Facing South

Description:
View of restored road.



**APPENDIX C:
Soil Disposal Manifests**



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No.

180466

LEASE OPERATOR/SHIPPER/COMPANY:

SLUG

LEASE NAME:

Trunk Fulfer Rd.

TRANSPORTER COMPANY:

ATS Truck

TIME 3:19 AM/PM

DATE:

9/15/11

VEHICLE NO:

3

GENERATOR COMPANY
MAN'S NAME:

C. Stanley

CHARGE TO:

SLUG

RIG NAME
AND NUMBER

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description:

old

RRC or API #

C-133#

VOLUME OF MATERIAL

[] BBLs.

YARD 20

[]

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

Eladio Arellano

FACILITY REPRESENTATIVE:

(SIGNATURE)

D. Sta Cruz

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **180465**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Trunk O Fulfer Rd.**

TRANSPORTER COMPANY: **R+R Truck**

TIME **3:18 AM/PM**

DATE: **9/15/11** VEHICLE NO: **01**

GENERATOR COMPANY MAN'S NAME: **C. Stanley**

CHARGE TO: **SUG**

RIG NAME AND NUMBER

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: **old**

RRC or API #

C-133#

VOLUME OF MATERIAL BBLs. _____ : YARD **20** : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **180464**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Trunk O Fulfer Rd.**

TRANSPORTER COMPANY: **ATS Truck**

TIME **3:16** AM/PM

DATE: **9/15/11** VEHICLE NO: **4**

GENERATOR COMPANY
MAN'S NAME: **C. Stanley**

CHARGE TO: **SUG**

RIG NAME
AND NUMBER

TYPE OF MATERIAL

- | | | |
|---|---|-----------------------------------|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Rinsate |
| <input type="checkbox"/> Tank Bottoms | <input checked="" type="checkbox"/> Contaminated Soil | <input type="checkbox"/> Jet Out |
| <input type="checkbox"/> Solids | <input type="checkbox"/> BS&W Content: | <input type="checkbox"/> Call Out |

Description: **Oil**

RRC or API #

C-133#

VOLUME OF MATERIAL [] BBLs. : YARD **20** : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *[Signature]*
(SIGNATURE)

FACILITY REPRESENTATIVE: *[Signature]*
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **180449**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Trunk O Fulfer Rd.**

TRANSPORTER COMPANY: **RJR Trucking** TIME **1:00** AM/PM

DATE: **9/15/11** VEHICLE NO: **01** GENERATOR COMPANY MAN'S NAME: **C. Stanley**

CHARGE TO: **SUG** RIG NAME AND NUMBER

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: **OID**

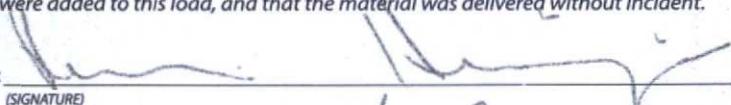
RRC or API # **C-133#**

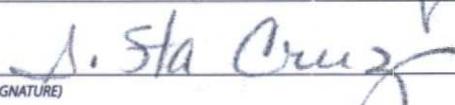
VOLUME OF MATERIAL [] BBLs. : YARD **20** : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: 
(SIGNATURE)

FACILITY REPRESENTATIVE: 
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **180448**

LEASE OPERATOR/SHIPPER/COMPANY: SUG

LEASE NAME: Trunk O Fulger Rd.

TRANSPORTER COMPANY: ATS Trucking TIME 12:59 AM/PM

DATE: 9/15/11 VEHICLE NO: 3 GENERATOR COMPANY MAN'S NAME: C. Stanley

CHARGE TO: SUG RIG NAME AND NUMBER

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: o/d

RRC or API # C-133#

VOLUME OF MATERIAL BBLs. _____ : YARD 20 : _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: Esteban Medondo
(SIGNATURE)

FACILITY REPRESENTATIVE: Ar Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter



SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. **180447**

LEASE OPERATOR/SHIPPER/COMPANY: **SUG**

LEASE NAME: **Trunk O Fulfer Rd.**

TRANSPORTER COMPANY: **HIS Trucking** TIME **12:54 AM/PM**

DATE: **9/15/11** VEHICLE NO: **4** GENERATOR COMPANY MAN'S NAME: **C. Stanley**

CHARGE TO: **SUG** RIG NAME AND NUMBER

TYPE OF MATERIAL

- Production Water
- Tank Bottoms
- Solids
- Drilling Fluids
- Contaminated Soil
- BS&W Content:
- Rinsate
- Jet Out
- Call Out

Description: **oil**

RRC or API # **C-133#**

VOLUME OF MATERIAL [] BBLs. : YARD **20** : []

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *Amable Amante*
(SIGNATURE)

FACILITY REPRESENTATIVE: *D. Sta Cruz*
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

**APPENDIX D:
Release Notification and Corrective Action
(Form-C-141)**