# 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:** pTO1434944632

1RP - 2695

SOUTHERN UNION EXPLORATION CO

*2/12/2016*

**Leking, Geoffrey R, EMNRD**

| | |
|---|---|
| **From:** | Joel Lowry <jwlowry@basinenv.com> |
| **Sent:** | Monday, November 19, 2012 8:42 AM |
| **To:** | Leking, Geoffrey R, EMNRD |
| **Cc:** | Rose Slade |
| **Subject:** | Trunk "O" Line (Meyers) - Permission to Backfill |
| **Attachments:** | Trunk_O_Meyers(2695)_Attachments.pdf |

HOBBS OCD

NOV 19 2012

RECEIVED

Mr. Leking,

This email has been prepared in regards to Southern Union Gas's Trunk "O" Line (Meyers) (RP-2695) Historical release site. The release site is located on property owned by the Mr. Kelly Meyers; the depth to groundwater is approximately 130' bgs.

The release occurred on March 19, 2011 and was reported to the NMOCD March 23, 2011. The initial C-141 indicated approximately 10 bbls of fluid and 900 Mcf of natural gas was released, impacting an area measuring approximately 300' by 150'. A majority of the release was airborne, primarily impacting the surface.

On November 2, 2012, Basin Environmental responded to the release site and excavated the impacted medium. The top six inches (6") of soil was scraped up and stockpiled on-site pending final disposition. Chloride field tests were conducted on soil samples collected at two feet (2') below ground surface (bgs) from twenty-two (22) sample points evenly spaced within the excavated area. Chloride field test results indicated chloride concentrations were less than 120 mg/Kg for each of the field samples.

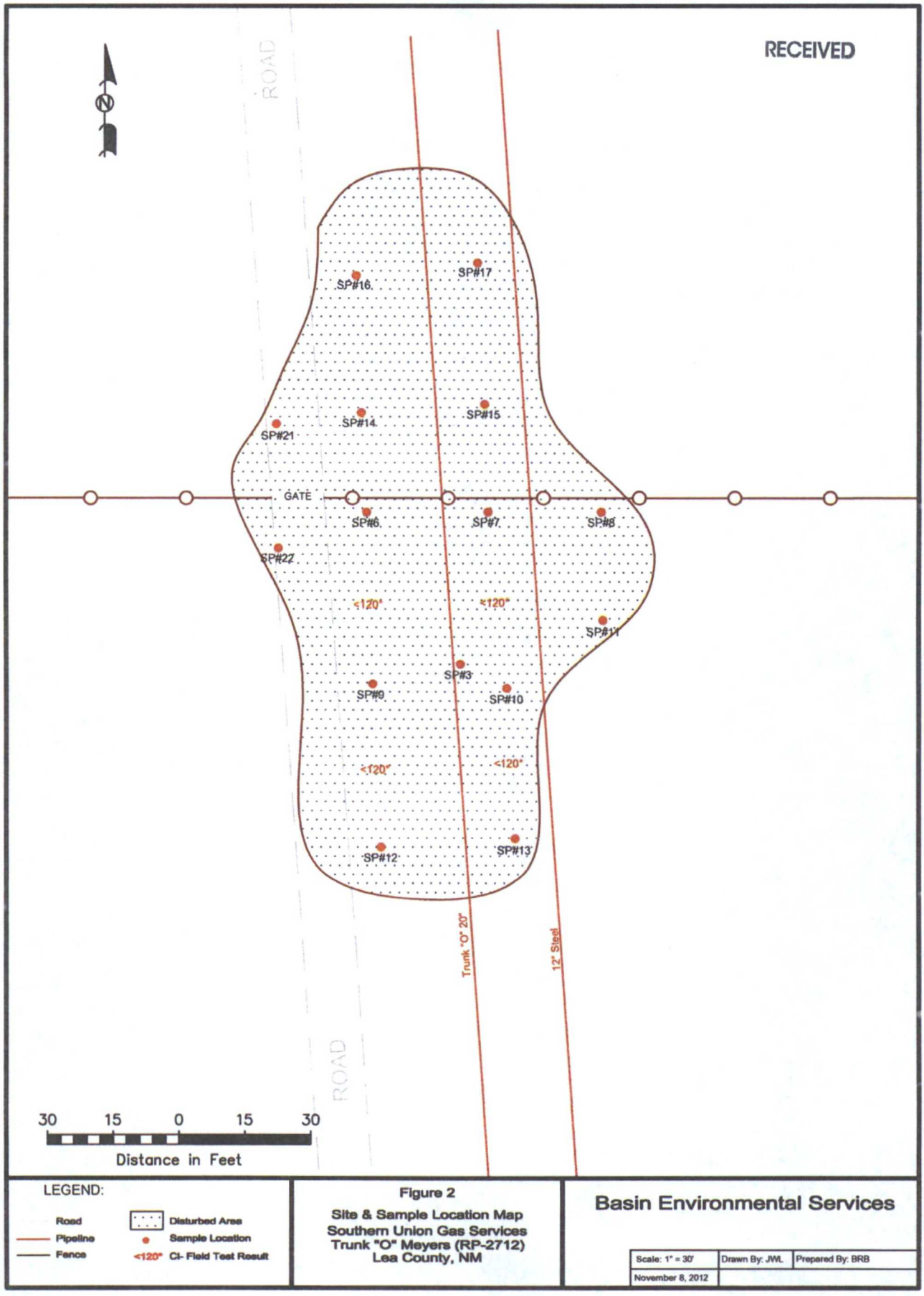
On November 5 and 6, 2012, Basin collected fifteen (15) confirmation soil samples from the excavated area and submitted them to the laboratory analysis of chloride concentrations. Chloride concentrations ranged from 9.24 mg/Kg for soil sample SP#17 @ 2' to 66.2 mg/Kg for soil sample SP#6 @ 2'. In addition nine (9) soil samples were also analyzed for concentrations of total petroleum hydrocarbons (TPH). TPH concentrations were less than the appropriate laboratory method detection limit for each of the submitted soil samples. One soil sample is currently being analyzed for benzene, toluene, ethylbenzene and xylene (BTEX) concentrations; the results of which will be provided to you upon receipt. Additional samples can be analyzed for BTEX concentrations on request.

On November 7 and 8, 2012, approximately one hundred forty-four cubic yards (144 cu. yds) of impacted material was hauled to Sundance Services, Inc (NMOCD Permit # NM-01003) for disposal.

With your permission, Southern Union would like to begin backfilling the excavation with non-impacted material purchased from the landowner. On completion, Southern Union will submit a "Remediation Summary & Site Closure Request" to the NMOCD and the landowner, documenting remediation activities and results from confirmation soil samples.

For your convenience, a site/sample location map, soil chemistry table and laboratory analytical results are attached.

Respectfully,




LEGEND:

Road
Pipeline
Fence
Disturbed Area
Sample Location
<120' Cl- Field Test Result

**Figure 2**

**Site & Sample Location Map**
**Southern Union Gas Services**
**Trunk "O" Meyers (RP-2712)**
**Lea County, NM**

**Basin Environmental Services**

| | | |
|---|---|---|
| Scale: 1" = 30' | Drawn By: JWL | Prepared By: BRB |
| November 8, 2012 | | |

HOBBS OCD

NOV 19 2012

RECEIVED

**TABLE 1**

**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**SOUTHERN UNION GAS SERVICES**
**TRUNK "O" LINE (Meyers)**
**HISTORICAL RELEASE SITE**
**LEA COUNTY, NEW MEXICO**
**NMOCD REF# 1RP-2695**

| SAMPLE LOCATION | SAMPLE DEPTH (BGS) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | METHOD: 8015M | | | TOTAL TPH $C_6$-$C_{35}$ (mg/Kg) | METHOD: E300.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | TOTAL XYLENES (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO $C_6$-$C_{12}$ (mg/Kg) | DRO $C_{12}$-$C_{28}$ (mg/Kg) | ORO $C_{28}$-$C_{35}$ (mg/Kg) | | CHLORIDE (mg/Kg) |
| SP#3 @ Surface | Surface | 11/5/2012 | Excavated | - | - | - | - | - | <15.6 | <15.6 | <15.6 | <15.6 | - |
| SP#6 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 66.2 |
| SP#7 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 9.89 |
| SP#8 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | <15.8 | <15.8 | <15.8 | <15.8 | 21.5 |
| SP#9 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 16.7 |
| SP#10 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 14.1 |
| SP#11 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 28.9 |
| SP#12 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | <15.6 | <15.6 | <15.6 | <15.6 | 18.3 |
| SP#13 @ 2' | 2' | 11/5/2012 | In-Situ | - | - | - | - | - | <15.9 | <15.9 | <15.9 | <15.9 | 23.3 |
| SP#14 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | <15.8 | <15.8 | <15.8 | <15.8 | 30.3 |
| SP#15 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | <15.9 | <15.9 | <15.9 | <15.9 | 58.8 |
| SP#15 @ 4' | 4' | 11/6/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 11.7 |
| SP#16 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | <15.6 | <15.6 | <15.6 | <15.6 | 14.7 |
| SP#17 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | <16.2 | <16.2 | <16.2 | <16.2 | 9.24 |
| SP#21 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | <15.8 | <15.8 | <15.8 | <15.8 | 9.47 |
| SP#22 @ 2' | 2' | 11/6/2012 | In-Situ | - | - | - | - | - | - | - | - | - | 11.4 |
| | | | | | | | | | | | | | |
| **NMOCD Standard** | | | | **10** | | | | **50** | | | | **5,000** | **1,000** |

- = Not analyzed.

* Denotes results by EPA Method 325.3

# Analytical Report 452203

## for

## Southern Union Gas Services- Monahans

**Project Manager: Joel Lowry**

**Trunk "O" Myers**

**(RP-2695)**

**16-NOV-12**

Collected By: Client



**12600 West I-20 East Odessa, Texas 79765**

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

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

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

16-NOV-12

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

Reference: XENCO Report No: **452203**
**Trunk "O" Myers**
Project Address: Lea County, NM

**Joel Lowry**:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 452203. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 452203 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

**Nicholas Straccione**
Project Manager

# Sample Cross Reference 452203

## Southern Union Gas Services- Monahans, Monahans, TX

Trunk "O" Myers

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|---|---|---|---|---|
| SP#3 @ Surface | S | 11-05-12 10:00 | In | 452203-001 |
| SP#6 @ 2' | S | 11-05-12 11:30 | | 452203-002 |
| SP#7 @ 2' | S | 11-05-12 12:00 | | 452203-003 |
| SP#8 @ 2' | S | 11-05-12 12:30 | | 452203-004 |
| SP#9 @ 2' | S | 11-05-12 13:00 | | 452203-005 |
| SP#10 @ 6' | S | 11-05-12 13:30 | | 452203-006 |
| SP#11 @ 2' | S | 11-05-12 14:00 | | 452203-007 |
| SP#12 @ 2' | S | 11-05-12 14:30 | | 452203-008 |
| SP#13 @ 2' | S | 11-05-12 15:00 | | 452203-009 |
| SP#14 @ 2' | S | 11-06-12 09:00 | | 452203-010 |
| SP#15 @ 2' | S | 11-06-12 09:30 | | 452203-011 |
| SP#15 @ 4' | S | 11-06-12 09:45 | | 452203-012 |
| SP#16 @ 2' | S | 11-06-12 10:00 | | 452203-013 |
| SP#17@ 2' | S | 11-06-12 10:30 | | 452203-014 |
| SP#21 @ 2' | S | 11-06-12 12:30 | | 452203-015 |
| SP#22 @ 2' | S | 11-06-12 13:00 | | 452203-016 |

# CASE NARRATIVE

XENCO Laboratories

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

| | | | |
|---|---|---|---|
| *Project ID:* | *(RP-2695)* | *Report Date:* | *16-NOV-12* |
| *Work Order Number:* | *452203* | *Date Received:* | *11/09/2012* |

***Sample receipt non conformances and comments:***
*hold for BTEX*

***Sample receipt non conformances and comments per sample:***

*None*

# Certificate of Analysis Summary 452203

## Southern Union Gas Services- Monahans, Monahans, TX

### Project Name: Trunk "O" Myers

**Project Id:** (RP-2695)
**Contact:** Joel Lowry
**Project Location:** Lea County, NM

Draft

**Date Received in Lab:** Fri Nov-09-12 10:00 pm
**Report Date:** 16-NOV-12
**Project Manager:** Nicholas Straccione

| *Analysis Requested* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Lab Id:*** | 452203-001 | | 452203-002 | | 452203-003 | | 452203-004 | | 452203-005 | | 452203-006 | |
| | ***Field Id:*** | SP#3 @ Surface | | SP#6 @ 2' | | SP#7 @ 2' | | SP#8 @ 2' | | SP#9 @ 2' | | SP#10 @ 6' | |
| | ***Depth:*** | | | | | | | | | | | | |
| | ***Matrix:*** | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | ***Sampled:*** | Nov-05-12 10:00 | | Nov-05-12 11:30 | | Nov-05-12 12:00 | | Nov-05-12 12:30 | | Nov-05-12 13:00 | | Nov-05-12 13:30 | |
| **Inorganic Anions by EPA 300/300.1 SUB: TX104704215** | ***Extracted:*** | | | Nov-12-12 13:21 | | Nov-12-12 13:53 | | Nov-12-12 14:09 | | Nov-12-12 14:25 | | Nov-12-12 14:41 | |
| | ***Analyzed:*** | | | Nov-12-12 13:21 | | Nov-12-12 13:53 | | Nov-12-12 14:09 | | Nov-12-12 14:25 | | Nov-12-12 14:41 | |
| | ***Units/RL:*** | | | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | | | 66.2 | 1.15 | 9.89 | 1.07 | 21.5 | 1.04 | 16.7 | 0.974 | 14.1 | 1.18 |
| **Percent Moisture** | ***Extracted:*** | | | | | | | | | | | | |
| | ***Analyzed:*** | Nov-12-12 15:40 | | Nov-16-12 13:00 | | Nov-16-12 13:00 | | Nov-12-12 15:40 | | Nov-16-12 13:00 | | Nov-16-12 13:00 | |
| | ***Units/RL:*** | % | RL | % | RL | % | RL | % | RL | % | RL | % | RL |
| Percent Moisture | | 3.67 | 1.00 | 6.01 | 1.00 | 6.71 | 1.00 | 5.39 | 1.00 | 4.05 | 1.00 | 5.92 | 1.00 |
| **TPH By SW8015 Mod** | ***Extracted:*** | Nov-15-12 08:30 | | | | | | Nov-15-12 08:30 | | | | | |
| | ***Analyzed:*** | Nov-15-12 12:13 | | | | | | Nov-15-12 12:47 | | | | | |
| | ***Units/RL:*** | mg/kg | RL | | | | | mg/kg | RL | | | | |
| C6-C12 Gasoline Range Hydrocarbons | | ND | 15.6 | | | | | ND | 15.8 | | | | |
| C12-C28 Diesel Range Hydrocarbons | | ND | 15.6 | | | | | ND | 15.8 | | | | |
| C28-C35 Oil Range Hydrocarbons | | ND | 15.6 | | | | | ND | 15.8 | | | | |
| Total TPH | | ND | 15.6 | | | | | ND | 15.8 | | | | |





Nicholas Straccione
Project Manager

# Certificate of Analysis Summary 452203

## Southern Union Gas Services- Monahans, Monahans, TX

### Project Name: Trunk "O" Myers

**Project Id:** (RP-2695)
**Contact:** Joel Lowry
**Project Location:** Lea County, NM

Draft

**Date Received in Lab:** Fri Nov-09-12 10:00 pm
**Report Date:** 16-NOV-12
**Project Manager:** Nicholas Straccione

| *Analysis Requested* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Lab Id:* | 452203-007 | | 452203-008 | | 452203-009 | | 452203-010 | | 452203-011 | | 452203-012 | |
| | *Field Id:* | SP#11 @ 2' | | SP#12 @ 2' | | SP#13 @ 2' | | SP#14 @ 2' | | SP#15 @ 2' | | SP#15 @ 4' | |
| | *Depth:* | | | | | | | | | | | | |
| | *Matrix:* | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | *Sampled:* | Nov-05-12 14:00 | | Nov-05-12 14:30 | | Nov-05-12 15:00 | | Nov-06-12 09:00 | | Nov-06-12 09:30 | | Nov-06-12 09:45 | |
| **Inorganic Anions by EPA 300/300.1 SUB: TX104704215** | *Extracted:* | Nov-12-12 14:57 | | Nov-12-12 15:46 | | Nov-12-12 16:02 | | Nov-12-12 16:18 | | Nov-12-12 16:34 | | Nov-12-12 16:50 | |
| | *Analyzed:* | Nov-12-12 14:57 | | Nov-12-12 15:46 | | Nov-12-12 16:02 | | Nov-12-12 16:18 | | Nov-12-12 16:34 | | Nov-12-12 16:50 | |
| | *Units/RL:* | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL |
| Chloride | | 28.9 | 0.979 | 18.3 | 1.09 | 23.3 | 1.01 | 30.3 | 1.05 | 58.8 | 1.16 | 11.7 | 1.13 |
| **Percent Moisture** | *Extracted:* | | | | | | | | | | | | |
| | *Analyzed:* | Nov-16-12 13:00 | | Nov-12-12 15:40 | | Nov-12-12 15:40 | | Nov-12-12 15:40 | | Nov-12-12 15:40 | | Nov-16-12 13:00 | |
| | *Units/RL:* | % | RL | % | RL | % | RL | % | RL | % | RL | % | RL |
| Percent Moisture | | 5.46 | 1.00 | 4.13 | 1.00 | 5.52 | 1.00 | 5.21 | 1.00 | 5.56 | 1.00 | 3.54 | 1.00 |
| **TPH By SW8015 Mod** | *Extracted:* | | | Nov-15-12 08:30 | | Nov-15-12 08:30 | | Nov-15-12 08:30 | | Nov-15-12 08:30 | | | |
| | *Analyzed:* | | | Nov-15-12 13:16 | | Nov-15-12 13:51 | | Nov-15-12 14:20 | | Nov-15-12 14:53 | | | |
| | *Units/RL:* | | | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | | |
| C6-C12 Gasoline Range Hydrocarbons | | | | ND | 15.6 | ND | 15.9 | ND | 15.8 | ND | 15.9 | | |
| C12-C28 Diesel Range Hydrocarbons | | | | ND | 15.6 | ND | 15.9 | ND | 15.8 | ND | 15.9 | | |
| C28-C35 Oil Range Hydrocarbons | | | | ND | 15.6 | ND | 15.9 | ND | 15.8 | ND | 15.9 | | |
| Total TPH | | | | ND | 15.6 | ND | 15.9 | ND | 15.8 | ND | 15.9 | | |





Nicholas Straccione
Project Manager

# Certificate of Analysis Summary 452203

## Southern Union Gas Services- Monahans, Monahans, TX

### Project Name: Trunk "O" Myers

**Project Id:** (RP-2695)
**Contact:** Joel Lowry
**Project Location:** Lea County, NM

Draft

**Date Received in Lab:** Fri Nov-09-12 10:00 pm
**Report Date:** 16-NOV-12
**Project Manager:** Nicholas Straccione

| *Analysis Requested* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Lab Id:* | 452203-013 | | 452203-014 | | 452203-015 | | 452203-016 | | | | | |
| | *Field Id:* | SP#16 @ 2' | | SP#17@ 2' | | SP#21 @ 2' | | SP#22 @ 2' | | | | | |
| | *Depth:* | | | | | | | | | | | | |
| | *Matrix:* | SOIL | | SOIL | | SOIL | | SOIL | | | | | |
| | *Sampled:* | Nov-06-12 10:00 | | Nov-06-12 10:30 | | Nov-06-12 12:30 | | Nov-06-12 13:00 | | | | | |
| **Inorganic Anions by EPA 300/300.1 SUB: TX104704215** | *Extracted:* | Nov-12-12 17:22 | | Nov-12-12 17:38 | | Nov-12-12 17:54 | | Nov-12-12 18:11 | | | | | |
| | *Analyzed:* | Nov-12-12 17:22 | | Nov-12-12 17:38 | | Nov-12-12 17:54 | | Nov-12-12 18:11 | | | | | |
| | *Units/RL:* | mg/kg | RL | mg/kg | RL | mg/kg | RL | mg/kg | RL | | | | |
| Chloride | | 14.7 | 1.04 | 9.24 | 1.16 | 9.47 | 1.03 | 11.4 | 1.04 | | | | |
| **Percent Moisture** | *Extracted:* | | | | | | | | | | | | |
| | *Analyzed:* | Nov-12-12 15:40 | | Nov-12-12 15:40 | | Nov-12-12 15:40 | | Nov-16-12 13:00 | | | | | |
| | *Units/RL:* | % | RL | % | RL | % | RL | % | RL | | | | |
| Percent Moisture | | 4.33 | 1.00 | 7.95 | 1.00 | 5.47 | 1.00 | 3.11 | 1.00 | | | | |
| **TPH By SW8015 Mod** | *Extracted:* | Nov-15-12 08:30 | | Nov-15-12 08:30 | | Nov-15-12 08:30 | | | | | | | |
| | *Analyzed:* | Nov-15-12 15:24 | | Nov-15-12 15:52 | | Nov-15-12 16:25 | | | | | | | |
| | *Units/RL:* | mg/kg | RL | mg/kg | RL | mg/kg | RL | | | | | | |
| C6-C12 Gasoline Range Hydrocarbons | | ND | 15.6 | ND | 16.2 | ND | 15.8 | | | | | | |
| C12-C28 Diesel Range Hydrocarbons | | ND | 15.6 | ND | 16.2 | ND | 15.8 | | | | | | |
| C28-C35 Oil Range Hydrocarbons | | ND | 15.6 | ND | 16.2 | ND | 15.8 | | | | | | |
| Total TPH | | ND | 15.6 | ND | 16.2 | ND | 15.8 | | | | | | |





Nicholas Straccione
Project Manager

XENCO Laboratories

# Flagging Criteria

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

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

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

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

**F** RPD exceeded lab control limits.

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

**U** Analyte was not detected.

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

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

**K** Sample analyzed outside of recommended hold time.

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

***** Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

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

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

**DL** Method Detection Limit

**NC** Non-Calculable

**+** NELAC certification not offered for this compound.

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

XENCO Laboratories

# Form 2 - Surrogate Recoveries

## Project Name: Trunk "O" Myers

**Work Orders :** 452203, **Project ID:** (RP-2695)

**Lab Batch #:** 901022 **Sample:** 452203-001 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 12:13

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 88.2 | 100 | 88 | 70-135 | |
| o-Terphenyl | 43.3 | 50.0 | 87 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-004 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 12:47

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 85.0 | 99.9 | 85 | 70-135 | |
| o-Terphenyl | 41.7 | 50.0 | 83 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-008 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 13:16

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 87.5 | 100 | 88 | 70-135 | |
| o-Terphenyl | 43.7 | 50.0 | 87 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-009 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 13:51

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 84.3 | 100 | 84 | 70-135 | |
| o-Terphenyl | 41.6 | 50.0 | 83 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-010 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 14:20

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 89.7 | 100 | 90 | 70-135 | |
| o-Terphenyl | 44.2 | 50.1 | 88 | 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.

XENCO Laboratories

# Form 2 - Surrogate Recoveries

## Project Name: Trunk "O" Myers

**Work Orders :** 452203, **Project ID:** (RP-2695)

**Lab Batch #:** 901022 **Sample:** 452203-011 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 14:53

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 83.4 | 99.9 | 83 | 70-135 | |
| o-Terphenyl | 41.3 | 50.0 | 83 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-013 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 15:24

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 86.1 | 99.8 | 86 | 70-135 | |
| o-Terphenyl | 42.1 | 49.9 | 84 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-014 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 15:52

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 89.5 | 99.7 | 90 | 70-135 | |
| o-Terphenyl | 44.9 | 49.9 | 90 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-015 / SMP **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 16:25

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 78.0 | 99.8 | 78 | 70-135 | |
| o-Terphenyl | 38.5 | 49.9 | 77 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 630020-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

**Units:** mg/kg **Date Analyzed:** 11/15/12 11:44

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 91.0 | 99.8 | 91 | 70-135 | |
| o-Terphenyl | 44.8 | 49.9 | 90 | 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.

XENCO Laboratories

# Form 2 - Surrogate Recoveries

**Project Name:** Trunk "O" Myers

**Work Orders :** 452203, **Project ID:** (RP-2695)

**Lab Batch #:** 901022 **Sample:** 630020-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

**Units:** mg/kg **Date Analyzed:** 11/15/12 10:42

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 89.9 | 99.9 | 90 | 70-135 | |
| o-Terphenyl | 54.5 | 50.0 | 109 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 630020-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

**Units:** mg/kg **Date Analyzed:** 11/15/12 11:10

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 93.0 | 99.8 | 93 | 70-135 | |
| o-Terphenyl | 56.0 | 49.9 | 112 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-001 S / MS **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 17:23

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 92.3 | 99.7 | 93 | 70-135 | |
| o-Terphenyl | 54.3 | 49.9 | 109 | 70-135 | |

**Lab Batch #:** 901022 **Sample:** 452203-001 SD / MSD **Batch:** 1 **Matrix:** Soil

**Units:** mg/kg **Date Analyzed:** 11/15/12 17:53

| TPH By SW8015 Mod<br>Analytes | SURROGATE RECOVERY STUDY<br>Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|---|---|---|---|---|---|
| 1-Chlorooctane | 91.4 | 99.9 | 91 | 70-135 | |
| o-Terphenyl | 54.2 | 50.0 | 108 | 70-135 | |

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

# BS / BSD Recoveries

## Project Name: Trunk "O" Myers

**Work Order #:** 452203 **Project ID:** (RP-2695)

**Analyst:** TTE **Date Prepared:** 11/12/2012 **Date Analyzed:** 11/12/2012

**Lab Batch ID:** 900714 **Sample:** 629851-1-BKS **Batch #:** 1 **Matrix:** Solid

**Units:** mg/kg

| Inorganic Anions by EPA 300/300.1 | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analytes** | **Blank Sample Result [A]** | **Spike Added [B]** | **Blank Spike Result [C]** | **Blank Spike %R [D]** | **Spike Added [E]** | **Blank Spike Duplicate Result [F]** | **Blk. Spk Dup. %R [G]** | **RPD %** | **Control Limits %R** | **Control Limits %RPD** | **Flag** |
| Chloride | <1.00 | 100 | 98.9 | 99 | 100 | 101 | 101 | 2 | 80-120 | 20 | |

**Analyst:** KEB **Date Prepared:** 11/15/2012 **Date Analyzed:** 11/15/2012

**Lab Batch ID:** 901022 **Sample:** 630020-1-BKS **Batch #:** 1 **Matrix:** Solid

**Units:** mg/kg

| TPH By SW8015 Mod | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analytes** | **Blank Sample Result [A]** | **Spike Added [B]** | **Blank Spike Result [C]** | **Blank Spike %R [D]** | **Spike Added [E]** | **Blank Spike Duplicate Result [F]** | **Blk. Spk Dup. %R [G]** | **RPD %** | **Control Limits %R** | **Control Limits %RPD** | **Flag** |
| C6-C12 Gasoline Range Hydrocarbons | <15.0 | 999 | 935 | 94 | 998 | 946 | 95 | 1 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | <15.0 | 999 | 908 | 91 | 998 | 940 | 94 | 3 | 70-135 | 35 | |

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

XENCO Laboratories

# Form 3 - MS Recoveries

## Project Name: Trunk "O" Myers

**Work Order #:** 452203

**Lab Batch #:** 900714 **Project ID:** (RP-2695)

**Date Analyzed:** 11/12/2012 **Date Prepared:** 11/12/2012 **Analyst:** TTE

**QC- Sample ID:** 452203-002 S **Batch #:** 1 **Matrix:** Soil

**Reporting Units:** mg/kg

| Inorganic Anions by EPA 300 | MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | |
|---|---|---|---|---|---|---|
| Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Chloride | 66.2 | 115 | 172 | 92 | 80-120 | |

**Lab Batch #:** 900714

**Date Analyzed:** 11/12/2012 **Date Prepared:** 11/12/2012 **Analyst:** TTE

**QC- Sample ID:** 452203-012 S **Batch #:** 1 **Matrix:** Soil

**Reporting Units:** mg/kg

| Inorganic Anions by EPA 300 | MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | |
|---|---|---|---|---|---|---|
| Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Chloride | 11.7 | 113 | 129 | 104 | 80-120 | |

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

XENCO Laboratories

# Form 3 - MS / MSD Recoveries

## Project Name: Trunk "O" Myers

**Work Order # :** 452203 **Project ID:** (RP-2695)

**Lab Batch ID:** 901022 **QC- Sample ID:** 452203-001 S **Batch #:** 1 **Matrix:** Soil

**Date Analyzed:** 11/15/2012 **Date Prepared:** 11/15/2012 **Analyst:** KEB

**Reporting Units:** mg/kg

| | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **TPH By SW8015 Mod**<br>**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 | <15.5 | 1030 | 950 | 92 | 1040 | 976 | 94 | 3 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | <15.5 | 1030 | 954 | 93 | 1040 | 961 | 92 | 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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

# Sample Duplicate Recovery

## Project Name: Trunk "O" Myers

**Work Order #:** 452203

**Lab Batch #:** 900713 **Project ID:** □□-2695□

**Date Analyzed:** 11/12/2012 12□40 **Date Prepared:** 11/12/2012 **Analyst:** □ □□

**QC- Sample ID:** 45225□-001 □ **Batch #:** 1 **Matrix:** Soil

**Reporting Units:** □

| | SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | |
|---|---|---|---|---|---|
| Percent Moisture<br>Analyte | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| □□□□□□□□ oi□□□□□ | 6□□3 | 6□□2 | 0 | 20 | |

**Lab Batch #:** 901092

**Date Analyzed:** 11/16/2012 13□00 **Date Prepared:** 11/16/2012 **Analyst:** □ □□

**QC- Sample ID:** 452203-002 □ **Batch #:** 1 **Matrix:** Soil

**Reporting Units:** □

| | SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | |
|---|---|---|---|---|---|
| Percent Moisture<br>Analyte | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| □□□□□□□□ oi□□□□□ | 6□01 | 6□05 | 1 | 20 | |

S□ik□□□l□li□□oi□□□□□□□□□□□ 200 □□B-□/□B□□□□
□ll □□□l□□□□□□□□□o□□ □□ □□□ □li□□□□ o□□□ □□□□o□□□

B□□- B□lo□ □□□o□i□g □imi□

# Xenco Laboratories

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo; Joel Lowry

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (575)396-2378 Fax No: (575) 396-1429

Sampler Signature: Joel Lowry

e-mail: pm@basinenv.com rose.slade@sug.com

Project Name: Trunk "O" Myers

Project #: (RP-2695)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas Services

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

(lab use only) ORDER #: 452203

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total # of Containers | Preservation & # of Containers: Ice | $HNO_3$ | HCl | $H_2SO_4$ | NaOH | $Na_2S_2O_3$ | None | Other (Specify) | Matrix: DW = Drinking Water SL = Sludge; GW = Groundwater S = Soil/Soil; NP = Non-Potable Specify Other | Analyze For: TCLP: / TOTAL: TPH: 418.1 8015M 8015B | TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO4, Alkalinity) | SAR / ESP / CEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTEX 8021B/5030 or BTEX 8260 | RCI | N.O.R.M. | CHLORIDES | Total Dissolved Solids | | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT 4 DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | SP#3 @ Surface | | | 11/5/2012 | 1000 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 02 | SP#6 @ 2' | | | 11/5/2012 | 1130 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 03 | SP#7 @ 2' | | | 11/5/2012 | 1200 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 04 | SP#8 @ 2' | | | 11/5/2012 | 1230 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 05 | SP#9 @ 2' | | | 11/5/2012 | 100 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 06 | SP#10 @ 2' | | | 11/5/2012 | 130 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 07 | SP#11 @ 2' | | | 11/5/2012 | 200 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 08 | SP#12 @ 2' | | | 11/5/2012 | 230 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 09 | SP#13 @ 2' | | | 11/5/2012 | 300 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 10 | SP#14 @ 2' | | | 11/6/2012 | 900 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |

**Special Instructions:**
~~Run Sample with Highest TPH for BTEX~~

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Joel Lowry | 11/8/12 | 3:10 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| | | | | | |
| Relinquished by: | Date | Time | Received by ELOT: | Date | Time |
| | | | | 11/8/12 | 22.00 |

**Laboratory Comments:**

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N/A
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4.5 °C



Draft 1.000

# Xenco Laboratories

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo; Joel Lowry

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (575)396-2378 Fax No: (575) 396-1429

Sampler Signature: Joel Lowry e-mail: pm@basinenv.com rose.slade@sug.com

Project Name: Trunk "O" Myers

Project #: (RP-2695)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas Services

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

(lab use only) ORDER #: 452203

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Preservation & # of Containers: Ice | $HNO_3$ | HCl | $H_2SO_4$ | NaOH | $Na_2S_2O_3$ | None | Other (Specify) | Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other | Analyze For: TCLP: TPH: 418.1 8015M 8015B | TOTAL: TPH: TX 1005 TX 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO4, Alkalinity) | SAR / ESP / CEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTEX 8021B/5030 or BTEX 8260 | RCI | N.O.R.M. | CHLORIDES | Total Dissolved Solids | | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT 4 DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | SP#15 @ 2' | | | 11/6/2012 | 930 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 12 | SP#15 @ 4' | | | 11/6/2012 | 945 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| 13 | SP#16 @ 2' | | | 11/6/2012 | 1000 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 14 | SP#17 @ 2' | | | 11/6/2012 | 1030 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 15 | SP#21 @ 2' | | | 11/6/2012 | 1230 | | 1 | X | | | | | | | | Soil | X | | | | | | | | | | | X | | | | X |
| 16 | SP#22 @ 2' | | | 11/6/2012 | 100 | | 1 | X | | | | | | | | Soil | | | | | | | | | | | | X | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Special Instructions:**
Run Sample with Highest TPH for BTEX

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Joel Lowry | 11/8/12 | 3:10 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by ELOT: | Date | Time |

**Laboratory Comments:**

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



Draft 1.000

# XENCO Laboratories

## Prelogin/Nonconformance Report- Sample Log-In

**Client:** P□□□□□ □□□ □□ □□□□□□ □□□□

**Date/ Time Received:** 11□0□□□01□10□00□00 P□

**Work Order #:** 4□□□0□

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

**Temperature Measuring device used :**

| Sample Receipt Checklist | | Comments |
|---|---|---|
| □1 □□e□ □erat□re of □oo□er□□□□ | □.□ | |
| □□ □□□□□□□g □o□ta□□er □□ goo□ □o□□□to□□ | Yes | |
| □□ □□a□ □□e□ re□e□□e□ o□ □□e□ | Yes | |
| □4 □□ □□to□□ □ea□□ □□ta□t o□ □□□□□□□g □o□ta□□er□□oo□er□ | Yes | |
| □□ □□□to□□ □ea□□ □□ta□t o□ □a□ □□e □ott□e□□ | Yes | |
| □□ □□ □□to□□ □ea□□ □g□e□ a□□ □ate□□ | Yes | |
| □□ □□ □a□□ of □□□to□□ □re□e□t□ | Yes | |
| □8 □a□ □□e □□□tr□□to□□ □o□ □□ete o□ □□a□□ of □□□to□□□ | Yes | |
| □□ □□□□ □ □□□□g□e□tra □a□ □□e□□ | No | |
| □10 □□a□□ of □□□to□□ □g□e□ □□e□ re□□□□□□□e□□re□e□□e□□ | Yes | |
| □11 □□a□□ of □□□to□□ agree□ □□t□ □a□ □□e □a□e□□□□ | Yes | |
| □1□ □o□ta□□er □a□e□□□□eg□□e a□□ □□ta□t□ | Yes | |
| □1□ □a□ □□e □ atr□□□ro□ert□e□ agree □t□ □□a□□ of □□□to□□□ | Yes | |
| □14 □a□ □□e□ □□ ro□er □o□ta□□er□□ott□e□ | Yes | |
| □1□ □a□ □□e□ □ro□er□□ □re□er□e□□ | Yes | |
| □1□ □a□ □□e □o□ta□□er□□□□ta□t□ | Yes | |
| □1□ □□ff□□e□t □a□ □□e a□ o□□t for □□□ate□ te□t□□□□ | Yes | |
| □18 □□□a□ □□e□ re□e□□e□ □t□□□ □o□□t□□ e□ | Yes | |
| □1□ □□□□o□tra□t of □a□ □□e□□□□ | Yes | |
| □□0 □□□ □a□ □□e□ □a□e □ero □ea□□□a□e □□e□□t□a□ 1□4 □□□□ □□□□□e□□ | Yes | |
| □□1 □□ for a□□□a□ □□e□ □re□er□e□ □t□ □□□□ □□□ □□□□ □□□4□ | Yes | |
| □□□ □10 for a□□□a□ □□e□ □re□er□e□ □t□ □a□□□ □□□a□ □□□□□□□□a□□□ | Yes | |

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

| | |
|---|---|
| □□a□□□t□ | P□ De□□e□□ot□□ |

**Checklist completed by:** Date□_____

**Checklist reviewed by:** Date□_____