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Effective Solutions

REMEDIATION SUMMARY &

SITE CLOSURE REQUEST

SOUTHERN UNION GAS SERVICES
WEST EUNICE COMPRESSOR STATION
HISTORICAL RELEASE SITE
Lea County, New Mexico
Unit Letter "P" (SE/SE), Section 36, Township 21 South, Range 36 East
Latitude 32° 25' 45.29" North, Longitude 103° 12' 38.84" West
NMOCD Reference # 1RP-2724

Prepared For:

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

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

March 2013

Joel W. Lowry
Project Manager

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Site Closure Request* for the West Eunice Compressor Historical Release Site (1RP-2724). The legal description of the release site is Unit Letter "P" (SE/SE), Section 36, Township 21 South, Range 36 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 45.29" North latitude and 103° 12' 38.84" West longitude. The property affected by the release is owned by Southern Union Gas Services. Please reference Figure 1 for a "Site Location Map".

On July 13, 2011, Southern Union discovered a release had occurred at the West Eunice Compressor Station. The "Release Notification and Corrective Action Form" (Form C-141) indicated failure of a sump pump resulted in the release of approximately twelve barrels (12 bbls) of lubricating oil and wash water. During initial response activities, a vacuum truck was utilized to recover approximately nine and one half barrels (9.5 bbls) of free standing fluid. A backhoe was utilized to scrape up the heavily saturated soil; in sensitive areas of the facility, the saturated soil was "hand dug". Excavated material was transported to Sundance Services, Inc. (NMOCD Permit # NM-01-003) for disposal. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on July 18, 2011. The C-141 indicated the release affected an area measuring approximately fifteen feet (15') in width and one hundred and fifty feet (150') in length within the compressor facility. General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix C.

On June 22, 2012, at the request of Southern Union, Basin assumed remediation responsibilities at the West Eunice Compressor Station Historical Release Site.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 36, Township 21 South, Range 36 East. An inferred groundwater gradient map utilized by the NMOCD indicated groundwater should be encountered at one hundred and ten feet (110') bgs. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within one thousand feet (1,000') of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

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

NMOCD guidelines indicate the West Eunice Compressor Station Historical Release Site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)

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

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

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On January 31, 2013, Basin responded to the West Eunice Compressor Station Historical Release Site. An initial investigation indicated previous remediation activities had been conducted at the release site. Historical environmental records and the initial Form C-141 indicate an unknown volume of impacted soil was transported to Sundance Services, Inc., for disposal.

A representative grid was established east of the affected sump pump in an effort to determine if soil containing concentrations of TPH or chloride above NMOCD regulatory remediation action levels remained in-situ. A hand-auger was utilized to collect soil samples from nine (9) locations (SB-1 through SB-9) east of the affected sump pump. During the advancement of soil bores, soil samples were collected at six inches (6"), two feet (2'), four feet (4') and six feet (6') bgs. Soil samples collected at six inches (6") and four feet (4') bgs were and submitted to Xenco Laboratories., of Odessa, Texas, for determination of TPH and chloride concentrations in accordance with EPA Methods SW 846-8015M and 300/300.1, respectively. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL for each of the soil samples submitted with the exception of soil sample SB-1 @ 4', which had a concentration of 44.0 mg/Kg; SB-3 @ 6", which had a concentration of 98.3 mg/Kg; SB-4 @ 6", which had a concentration of 70.9 mg/Kg; SB-5 @ 6", which had a concentration of 22.2 mg/Kg; and SB-8 @ 6", which had a concentration of 82.8 mg/Kg. Chloride concentrations ranged from 1.22 mg/Kg for soil sample SB-1 @ 4' to 37.0 mg/Kg for soil sample SB-7 @ 6". TPH and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". Soil sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided as Appendix B.

Seven (7) additional soil bore locations (SB-10 through SB-16) were established within the inferred release flow path along the eastern boundary of the compressor station facility. During the advancement of soil bores, soil samples were collected at six inches (6"), two feet (2'), four feet (4') and six feet (6') bgs. Soil samples collected at six inches (6") and four feet (4') bgs were and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL for each of the soil samples submitted with the exception of soil sample SB-10 @ 6", which had a concentration of 23.2 mg/Kg; SB-13 @ 6", which had a concentration of 31.8 mg/Kg; and SB-14 @ 6", which had a concentration of 1,290 mg/Kg. Analytical results indicated chloride concentrations ranged from less than the appropriate laboratory MDL for soil samples SB-11 @ 6", SB-13 @ 6", SB-15 @ 6" and SB-16 @ 6" to 30.3 mg/Kg for soil sample SB-14 @ 4"

Upon receiving laboratory analytical results from each of the submitted soil samples, soil samples collected at two feet (2') bgs and six feet (6') bgs from SB-14 were submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Analytical results indicated the chloride concentration was 3.53 mg/Kg for soil sample SB-14 @ 2' and 55.5 mg/Kg for soil sample SB-14 @ 6'.

On March 8, 2013, one (1) confirmation soil sample (SB-14a) was collected in the area represented by soil bore SB-14 and submitted to the laboratory for analysis of BTEX concentrations. Analytical results indicated the BTEX concentration was less than the laboratory MDL. BTEX, TPH and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

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

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

4.2 Decontamination of Equipment

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

4.3 Laboratory Protocol

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

5.0 SITE CLOSURE REQUEST

Confirmation soil samples collected from the sixteen (16) on-site soil bores indicated remediation activites conducted during intial response activities at the West Eunice Compressor Historical Release Site met the requirements of the NMOCD's "Guidelines for Remediation of Leaks, Spills and Releases". Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were less than NMOCD regulatory standards in each of the submitted soil samples. Based on these laboratory analytical results, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the West Eunice Compressor Historical Release Site.

6.0 LIMITATIONS

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

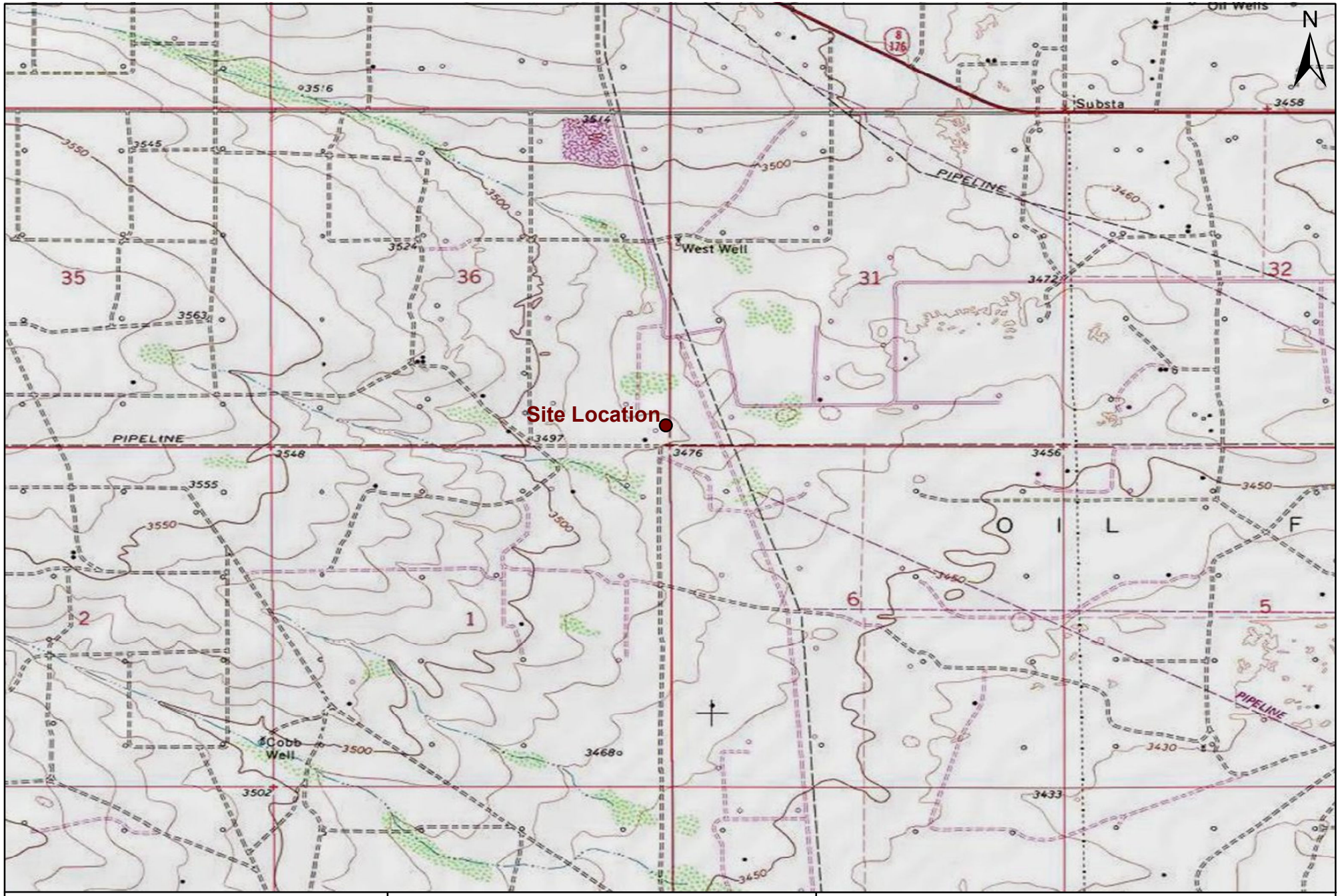
This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

7.0 DISTRIBUTION

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

Copy 2: Rose Slade
Southern Union Gas Services
801 S. Loop 464
Monahans, Texas 79756
rose.slade@sug.com

Copy 3: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, New Mexico 88260



1,000500 0 1,000 2,000

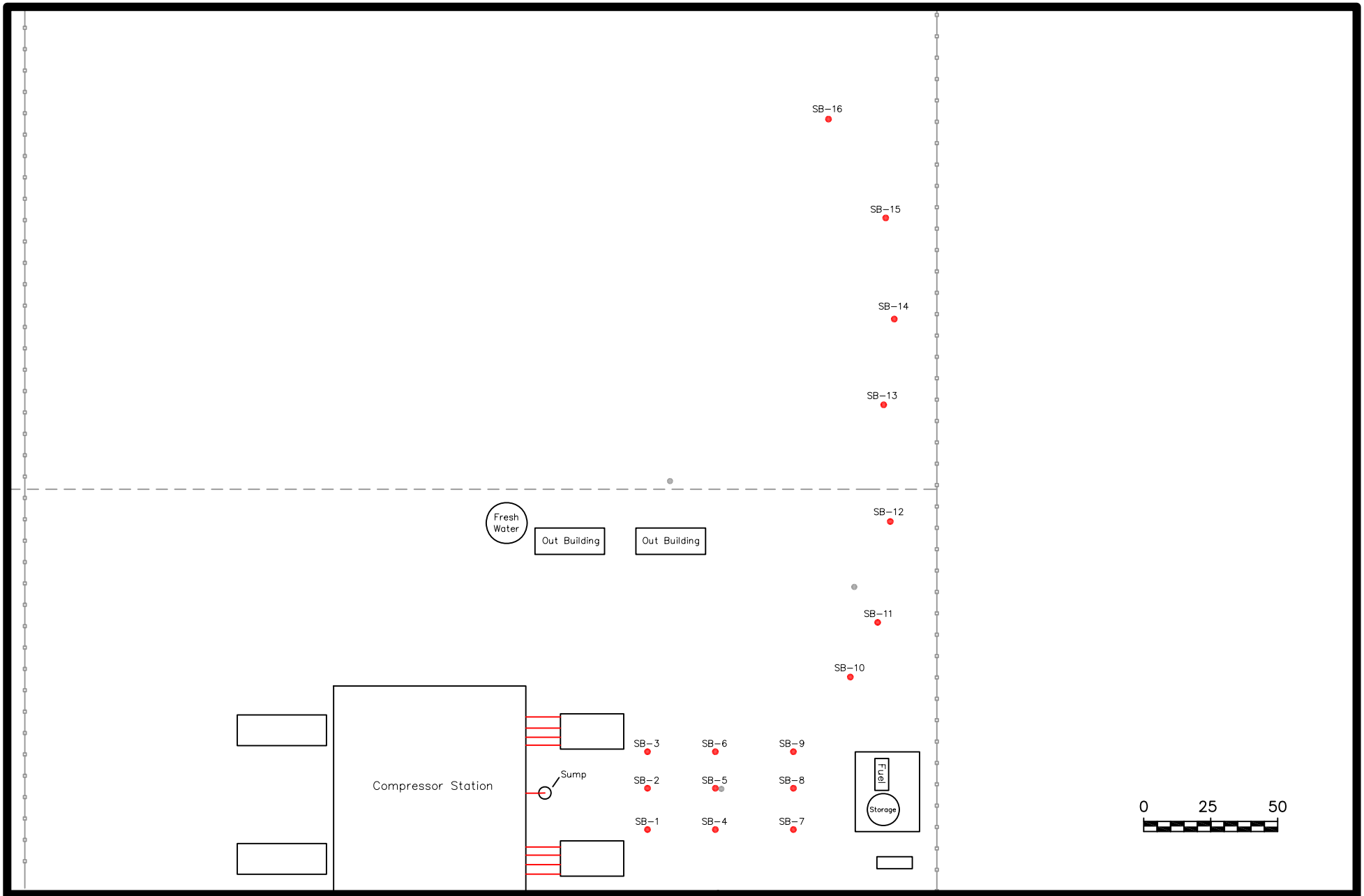
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
West Eunice Compressor Sump
Lea County, New Mexico
NMOCD Reference #: 1RP-2724

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: JWL
February 13, 2013	Scale: 1" = 2000'



Legend

- Sample Location
- Fence
- Pipeline
- Caliche Pad

Figure 2
Site and Sample Location Map
Southern Union Gas Services
West Eunice Compressor Station
NMOCD Ref #1RP-2724
Lea County, New Mexico

Basin Environmental Service Technologies

Prep By: JWL	Checked By: BJA
March 19, 2013	Scale 1"=50'

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
WEST EUNICE COMPRESSOR STATION
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-2724

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	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)	TOTAL TPH C_6-C_{28} (mg/Kg)	CHLORIDE (mg/Kg)
SB-1 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<17.6	<17.6	<17.6	<17.6	1.97
SB-1 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<18.0	18.2	25.8	44.0	1.22
SB-2 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<19.6	<19.6	<19.6	<19.6	4.79
SB-2 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<18.0	<18.0	<18.0	<18.0	16.4
SB-3 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<16.1	51.2	47.1	98.3	3.27
SB-3 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<15.6	<15.6	<15.6	<15.6	7.49
SB-4 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<15.4	47.8	23.1	70.9	15.2
SB-4 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<15.5	<15.5	<15.5	<15.5	6.58
SB-5 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<15.9	51.0	38.1	89.1	1.56
SB-5 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<16.2	<16.2	<16.2	<16.2	9.79
SB-6 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<15.9	22.2	<15.9	22.2	3.11
SB-6 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	13.1
SB-7 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<17.3	<17.3	<17.3	<17.3	37.0
SB-7 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	11.7
SB-8 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<15.9	82.2	<15.9	82.2	1.83
SB-8 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	19.3
SB-9 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<17.4	<17.4	<17.4	<17.4	8.89
SB-9 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<16.3	<16.3	<16.3	<16.3	19.6
SB-10 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<17.4	23.2	<17.4	23.2	2.20
SB-10 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<17.0	<17.0	<17.0	<17.0	20.6
SB-11 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<17.8	<17.8	<17.8	<17.8	<1.17
SB-11 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<18.7	<18.7	<18.7	<18.7	7.95
SB-12 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<18.1	<18.1	<18.1	<18.1	1.55
SB-12 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<17.8	<17.8	<17.8	<17.8	7.54
SB-13 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<18.5	31.8	<18.5	31.8	<1.23
SB-13 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<20.1	<20.1	<20.1	<20.1	17.9
SB-14 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<18.0	687	605	**1,290**	1.64
SB-14 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<18.0	<18.0	<18.0	<18.0	30.3
SB-15 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<18.2	<18.2	<18.2	<18.2	<1.22
SB-15 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<18.5	<18.5	<18.5	<18.5	9.27
SB-16 @ 6"	6"	1/31/2013	In-Situ	-	-	-	-	-	<18.8	<18.8	<18.8	<18.8	<1.24
SB-16 @ 4'	4'	1/31/2013	In-Situ	-	-	-	-	-	<19.1	<19.1	<19.1	<19.1	2.44
SB-14 @ 2'	2'	1/31/2013	In-Situ	-	-	-	-	-	<17.0	<17.0	<17.0	<17.0	3.53
SB-14 @ 6'	6'	1/31/2013	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	55.5
SB-14a	6"	3/8/2013	In-Situ	<0.00101	<0.00201	<0.00101	<0.00201	<0.00201	-	-	-	-	-
NMOCD Standard				**10**				**50**				**5,000**	**1,000**

Photograph of soil sample collection at the West Eunice Compressor Station Historical Release Site.

Photograph of soil sample locations at the West Eunice Compressor Station Historical Release Site.

Photograph of soil sample locations at the West Eunice Compressor Station Historical Release Site.

Photograph of the disturbed area at the West Eunice Compressor Station Historical Release Site.

Analytical Report 456934

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

West Eunice Compressor

(1RP-2724)

13-FEB-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

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

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

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

13-FEB-13

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

Reference: XENCO Report No(s): **456934**
West Eunice Compressor
Project Address: Lea County,NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 456934. 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. 456934 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 456934

Southern Union Gas Services- Monahans, Monahans, TX

West Eunice Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @6"	S	01-31-13 09:00		456934-001
SB-1 @ 4'	S	01-31-13 09:15		456934-002
SB-2 @ 6"	S	01-31-13 09:30		456934-003
SB-2 @ 4'	S	01-31-13 09:45		456934-004
SB-3 @ 6"	S	01-31-13 10:00		456934-005
SB-3 @ 4'	S	01-31-13 10:15		456934-006
SB-4 @6"	S	01-31-13 10:30		456934-007
SB-4 @ 4'	S	01-31-13 10:45		456934-008
SB-5 @ 6"	S	01-31-13 11:00		456934-009
SB-5 @ 4'	S	01-31-13 11:15		456934-010
SB-6 @ 6"	S	01-31-13 11:30		456934-011
SB-6 @ 4'	S	01-31-13 11:45		456934-012
SB-7 @ 6'	S	01-31-13 12:00		456934-013
SB-7 @ 4'	S	01-31-13 12:15		456934-014
SB-8 @ 6"	S	01-31-13 12:30		456934-015
SB-8 @ 4'	S	01-31-13 12:45		456934-016
SB-9 @ 6"	S	01-31-13 13:00		456934-017
SB-9 @ 4'	S	01-31-13 13:15		456934-018
SB-10 @ 6'	S	01-31-13 13:30		456934-019
SB-10 @ 4'	S	01-31-13 13:45		456934-020
SB-11 @ 6"	S	01-31-13 14:00		456934-021
SB-11 @ 4'	S	01-31-13 14:15		456934-022
SB-12 @ 6"	S	01-31-13 14:30		456934-023
SB-12 @ 4'	S	01-31-13 14:45		456934-024
SB-13 @ 6"	S	01-31-13 15:00		456934-025
SB-13 @ 4'	S	01-31-13 15:15		456934-026
SB-14 @ 6"	S	01-31-13 15:30		456934-027
SB-14 @ 4'	S	01-31-13 15:45		456934-028
SB-15 @ 6"	S	01-31-13 16:00		456934-029
SB-15 @ 4'	S	01-31-13 16:15		456934-030
SB-16 @ 6"	S	01-31-13 16:30		456934-031
SB-16 @ 4'	S	01-31-13 16:45		456934-032

CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans
Project Name: West Eunice Compressor

Project ID:	*(1RP-2724)*	Report Date:	*13-FEB-13*
Work Order Number(s):	*456934*	Date Received:	*02/04/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	456934-001		456934-002		456934-003		456934-004		456934-005		456934-006	
	Field Id:	SB-1 @6"		SB-1 @ 4'		SB-2 @ 6"		SB-2 @ 4'		SB-3 @ 6"		SB-3 @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-31-13 09:00		Jan-31-13 09:15		Jan-31-13 09:30		Jan-31-13 09:45		Jan-31-13 10:00		Jan-31-13 10:15	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 03:08		Feb-12-13 10:41		Feb-07-13 04:00		Feb-12-13 10:58		Feb-07-13 04:18		Feb-12-13 11:16	
	Analyzed:	Feb-07-13 03:08		Feb-12-13 10:41		Feb-07-13 04:00		Feb-12-13 10:58		Feb-07-13 04:18		Feb-12-13 11:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1.97	1.17	1.22	1.19	4.79	1.31	16.4	1.16	3.27	1.07	7.49	1.04
Percent Moisture	***Extracted:***												
	Analyzed:	Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		14.9	1.00	16.8	1.00	23.6	1.00	16.8	1.00	7.43	1.00	3.84	1.00
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45	
	Analyzed:	Feb-05-13 14:45		Feb-11-13 15:49		Feb-05-13 15:12		Feb-11-13 16:20		Feb-05-13 15:44		Feb-11-13 16:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17.6	ND	18.0	ND	19.6	ND	18.0	ND	16.1	ND	15.6
C12-C28 Diesel Range Hydrocarbons		ND	17.6	18.2	18.0	ND	19.6	ND	18.0	51.2	16.1	ND	15.6
C28-C35 Oil Range Hydrocarbons		ND	17.6	25.8	18.0	ND	19.6	ND	18.0	47.1	16.1	ND	15.6
Total TPH		ND	17.6	44.0	18.0	ND	19.6	ND	18.0	98.3	16.1	ND	15.6

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	456934-007		456934-008		456934-009		456934-010		456934-011		456934-012	
	Field Id:	SB-4 @6"		SB-4 @ 4'		SB-5 @ 6"		SB-5 @ 4'		SB-6 @ 6"		SB-6 @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-31-13 10:30		Jan-31-13 10:45		Jan-31-13 11:00		Jan-31-13 11:15		Jan-31-13 11:30		Jan-31-13 11:45	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 05:10		Feb-12-13 11:33		Feb-07-13 05:27		Feb-12-13 11:50		Feb-07-13 05:45		Feb-12-13 12:08	
	Analyzed:	Feb-07-13 05:10		Feb-12-13 11:33		Feb-07-13 05:27		Feb-12-13 11:50		Feb-07-13 05:45		Feb-12-13 12:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.2	1.03	6.58	1.04	1.56	1.06	9.79	1.08	3.11	1.06	13.1	1.05
Percent Moisture	***Extracted:***												
	Analyzed:	Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		3.32	1.00	3.72	1.00	6.02	1.00	7.53	1.00	5.42	1.00	4.69	1.00
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45	
	Analyzed:	Feb-05-13 16:11		Feb-11-13 17:27		Feb-05-13 16:38		Feb-11-13 18:04		Feb-05-13 17:08		Feb-11-13 18:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	15.4	ND	15.5	ND	15.9	ND	16.2	ND	15.9	ND	15.7
C12-C28 Diesel Range Hydrocarbons		47.8	15.4	ND	15.5	51.0	15.9	ND	16.2	22.2	15.9	ND	15.7
C28-C35 Oil Range Hydrocarbons		23.1	15.4	ND	15.5	38.1	15.9	ND	16.2	ND	15.9	ND	15.7
Total TPH		70.9	15.4	ND	15.5	89.1	15.9	ND	16.2	22.2	15.9	ND	15.7

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	456934-013		456934-014		456934-015		456934-016		456934-017		456934-018	
	Field Id:	SB-7 @ 6'		SB-7 @ 4'		SB-8 @ 6"		SB-8 @ 4'		SB-9 @ 6"		SB-9 @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-31-13 12:00		Jan-31-13 12:15		Jan-31-13 12:30		Jan-31-13 12:45		Jan-31-13 13:00		Jan-31-13 13:15	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 06:02		Feb-12-13 12:25		Feb-07-13 06:20		Feb-12-13 12:43		Feb-07-13 06:37		Feb-12-13 15:37	
	Analyzed:	Feb-07-13 06:02		Feb-12-13 12:25		Feb-07-13 06:20		Feb-12-13 12:43		Feb-07-13 06:37		Feb-12-13 15:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		37.0	1.15	11.7	1.05	1.83	1.06	19.3	1.06	8.89	1.16	19.6	1.09
Percent Moisture	***Extracted:***												
	Analyzed:	Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		13.3	1.00	4.93	1.00	6.11	1.00	5.42	1.00	14.3	1.00	7.84	1.00
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45	
	Analyzed:	Feb-05-13 17:35		Feb-11-13 19:51		Feb-06-13 08:11		Feb-11-13 20:25		Feb-05-13 18:36		Feb-11-13 21:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17.3	ND	15.8	ND	15.9	ND	15.8	ND	17.4	ND	16.3
C12-C28 Diesel Range Hydrocarbons		ND	17.3	ND	15.8	82.2	15.9	ND	15.8	ND	17.4	ND	16.3
C28-C35 Oil Range Hydrocarbons		ND	17.3	ND	15.8	ND	15.9	ND	15.8	ND	17.4	ND	16.3
Total TPH		ND	17.3	ND	15.8	82.2	15.9	ND	15.8	ND	17.4	ND	16.3

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	456934-019		456934-020		456934-021		456934-022		456934-023		456934-024	
	Field Id:	SB-10 @ 6'		SB-10 @ 4'		SB-11 @ 6"		SB-11 @ 4'		SB-12 @ 6"		SB-12 @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-31-13 13:30		Jan-31-13 13:45		Jan-31-13 14:00		Jan-31-13 14:15		Jan-31-13 14:30		Jan-31-13 14:45	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 07:29		Feb-12-13 15:54		Feb-07-13 07:47		Feb-12-13 16:12		Feb-07-13 08:04		Feb-12-13 16:29	
	Analyzed:	Feb-07-13 07:29		Feb-12-13 15:54		Feb-07-13 07:47		Feb-12-13 16:12		Feb-07-13 08:04		Feb-12-13 16:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2.20	1.15	20.6	1.14	ND	1.17	7.95	1.23	1.55	1.20	7.54	1.18
Percent Moisture	***Extracted:***												
	Analyzed:	Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		14.2	1.00	12.1	1.00	15.7	1.00	19.7	1.00	17.0	1.00	15.6	1.00
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45	
	Analyzed:	Feb-05-13 19:03		Feb-11-13 21:36		Feb-06-13 08:36		Feb-11-13 22:10		Feb-05-13 20:42		Feb-11-13 22:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	17.4	ND	17.0	ND	17.8	ND	18.7	ND	18.1	ND	17.8
C12-C28 Diesel Range Hydrocarbons		23.2	17.4	ND	17.0	ND	17.8	ND	18.7	ND	18.1	ND	17.8
C28-C35 Oil Range Hydrocarbons		ND	17.4	ND	17.0	ND	17.8	ND	18.7	ND	18.1	ND	17.8
Total TPH		23.2	17.4	ND	17.0	ND	17.8	ND	18.7	ND	18.1	ND	17.8

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	456934-025		456934-026		456934-027		456934-028		456934-029		456934-030	
	Field Id:	SB-13 @ 6"		SB-13 @ 4'		SB-14 @ 6"		SB-14 @ 4'		SB-15 @ 6"		SB-15 @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-31-13 15:00		Jan-31-13 15:15		Jan-31-13 15:30		Jan-31-13 15:45		Jan-31-13 16:00		Jan-31-13 16:15	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 08:21		Feb-12-13 16:46		Feb-07-13 08:39		Feb-12-13 17:04		Feb-07-13 08:56		Feb-12-13 17:21	
	Analyzed:	Feb-07-13 08:21		Feb-12-13 16:46		Feb-07-13 08:39		Feb-12-13 17:04		Feb-07-13 08:56		Feb-12-13 17:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	1.23	17.9	1.34	1.64	1.20	30.3	1.20	ND	1.22	9.27	1.24
Percent Moisture	***Extracted:***												
	Analyzed:	Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 12:45		Feb-05-13 16:40	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		18.8	1.00	25.4	1.00	17.0	1.00	16.7	1.00	17.8	1.00	19.5	1.00
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45		Feb-05-13 13:00		Feb-11-13 09:45	
	Analyzed:	Feb-05-13 21:16		Feb-11-13 23:18		Feb-06-13 09:03		Feb-11-13 23:51		Feb-05-13 22:23		Feb-12-13 00:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	18.5	ND	20.1	ND	18.0	ND	18.0	ND	18.2	ND	18.5
C12-C28 Diesel Range Hydrocarbons		31.8	18.5	ND	20.1	687	18.0	ND	18.0	ND	18.2	ND	18.5
C28-C35 Oil Range Hydrocarbons		ND	18.5	ND	20.1	605	18.0	ND	18.0	ND	18.2	ND	18.5
Total TPH		31.8	18.5	ND	20.1	1290	18.0	ND	18.0	ND	18.2	ND	18.5

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 456934

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County,NM

Date Received in Lab: Mon Feb-04-13 10:46 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested								
	Lab Id:	456934-031		456934-032				
	Field Id:	SB-16 @ 6"		SB-16 @ 4'				
	Depth:							
	Matrix:	SOIL		SOIL				
	Sampled:	Jan-31-13 16:30		Jan-31-13 16:45				
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Feb-07-13 09:14		Feb-12-13 18:13				
	Analyzed:	Feb-07-13 09:14		Feb-12-13 18:13				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		ND	1.24	2.44	1.27			
Percent Moisture	***Extracted:***							
	Analyzed:	Feb-05-13 16:40		Feb-05-13 16:40				
	Units/RL:	%	RL	%	RL			
Percent Moisture		20.6	1.00	21.5	1.00			
TPH By SW8015 Mod	***Extracted:***	Feb-05-13 13:00		Feb-11-13 09:45				
	Analyzed:	Feb-05-13 22:56		Feb-12-13 00:59				
	Units/RL:	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		ND	18.8	ND	19.1			
C12-C28 Diesel Range Hydrocarbons		ND	18.8	ND	19.1			
C28-C35 Oil Range Hydrocarbons		ND	18.8	ND	19.1			
Total TPH		ND	18.8	ND	19.1			

Nicholas Straccione
Project Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906325 **Sample:** 456934-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 14:45

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.7	107	70-135	
o-Terphenyl	57.8	49.9	116	70-135	

Lab Batch #: 906325 **Sample:** 456934-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 15:12

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.8	106	70-135	
o-Terphenyl	57.2	49.9	115	70-135	

Lab Batch #: 906325 **Sample:** 456934-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 15:44

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.5	106	70-135	
o-Terphenyl	55.9	49.8	112	70-135	

Lab Batch #: 906325 **Sample:** 456934-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 16:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.5	108	70-135	
o-Terphenyl	55.7	49.8	112	70-135	

Lab Batch #: 906325 **Sample:** 456934-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 16:38

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.8	108	70-135	
o-Terphenyl	57.3	49.9	115	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906325 **Sample:** 456934-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 17:08

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	56.1	50.0	112	70-135	

Lab Batch #: 906325 **Sample:** 456934-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 17:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	59.7	50.0	119	70-135	

Lab Batch #: 906325 **Sample:** 456934-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 18:36

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.5	110	70-135	
o-Terphenyl	58.5	49.8	117	70-135	

Lab Batch #: 906325 **Sample:** 456934-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 19:03

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.5	107	70-135	
o-Terphenyl	56.4	49.8	113	70-135	

Lab Batch #: 906325 **Sample:** 456934-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 20:42

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	55.9	50.1	112	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906325 **Sample:** 456934-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 21:16

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.9	102	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 906325 **Sample:** 456934-029 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 22:23

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.7	110	70-135	
o-Terphenyl	58.5	49.9	117	70-135	

Lab Batch #: 906325 **Sample:** 456934-031 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/05/13 22:56

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.7	108	70-135	
o-Terphenyl	57.7	49.9	116	70-135	

Lab Batch #: 906325 **Sample:** 456934-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/06/13 08:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	99.5	109	70-135	
o-Terphenyl	58.0	49.8	116	70-135	

Lab Batch #: 906325 **Sample:** 456934-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/06/13 08:36

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.8	107	70-135	
o-Terphenyl	57.7	49.9	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906325 **Sample:** 456934-027 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/06/13 09:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.6	107	70-135	
o-Terphenyl	56.8	49.8	114	70-135	

Lab Batch #: 906732 **Sample:** 456934-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 15:49

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.9	105	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 906732 **Sample:** 456934-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 16:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.8	109	70-135	
o-Terphenyl	57.6	49.9	115	70-135	

Lab Batch #: 906732 **Sample:** 456934-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 16:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	99.7	100	70-135	
o-Terphenyl	51.3	49.9	103	70-135	

Lab Batch #: 906732 **Sample:** 456934-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 17:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.8	105	70-135	
o-Terphenyl	53.7	49.9	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.

Form 2 - Surrogate Recoveries

Project Name: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906732 **Sample:** 456934-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 18:04

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.2	100	92	70-135	
o-Terphenyl	47.4	50.1	95	70-135	

Lab Batch #: 906732 **Sample:** 456934-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 18:39

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.3	99.6	97	70-135	
o-Terphenyl	49.3	49.8	99	70-135	

Lab Batch #: 906732 **Sample:** 456934-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 19:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.7	99.9	95	70-135	
o-Terphenyl	48.6	50.0	97	70-135	

Lab Batch #: 906732 **Sample:** 456934-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 20:25

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.6	102	70-135	
o-Terphenyl	52.4	49.8	105	70-135	

Lab Batch #: 906732 **Sample:** 456934-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 21:02

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	99.9	104	70-135	
o-Terphenyl	53.7	50.0	107	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906732 **Sample:** 456934-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 21:36

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.8	106	70-135	
o-Terphenyl	55.1	49.9	110	70-135	

Lab Batch #: 906732 **Sample:** 456934-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 22:10

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	54.8	50.1	109	70-135	

Lab Batch #: 906732 **Sample:** 456934-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 22:44

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.9	109	70-135	
o-Terphenyl	56.5	50.0	113	70-135	

Lab Batch #: 906732 **Sample:** 456934-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 23:18

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.9	109	70-135	
o-Terphenyl	56.5	50.0	113	70-135	

Lab Batch #: 906732 **Sample:** 456934-028 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/11/13 23:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.8	107	70-135	
o-Terphenyl	55.5	49.9	111	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906732 **Sample:** 456934-030 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 00:25

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.5	110	70-135	
o-Terphenyl	56.8	49.8	114	70-135	

Lab Batch #: 906732 **Sample:** 456934-032 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 00:59

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	99.9	98	70-135	
o-Terphenyl	50.9	50.0	102	70-135	

Lab Batch #: 906325 **Sample:** 633397-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/05/13 13:43

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.7	110	70-135	
o-Terphenyl	59.1	49.9	118	70-135	

Lab Batch #: 906732 **Sample:** 633683-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/11/13 13:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	58.3	50.0	117	70-135	

Lab Batch #: 906325 **Sample:** 633397-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/05/13 12:48

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	99.9	103	70-135	
o-Terphenyl	57.1	50.0	114	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906732 **Sample:** 633683-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/11/13 12:09

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	99.9	119	70-135	
o-Terphenyl	46.1	50.0	92	70-135	

Lab Batch #: 906325 **Sample:** 633397-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/05/13 13:16

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.9	110	70-135	
o-Terphenyl	59.2	50.0	118	70-135	

Lab Batch #: 906732 **Sample:** 633683-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/11/13 12:40

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	99.9	121	70-135	
o-Terphenyl	47.0	50.0	94	70-135	

Lab Batch #: 906325 **Sample:** 456934-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/06/13 01:37

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	97.1	105	70-135	
o-Terphenyl	57.6	48.5	119	70-135	

Lab Batch #: 906732 **Sample:** 456934-008 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 01:33

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	49.5	50.0	99	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: West Eunice Compressor

Work Orders : 456934,

Project ID: (1RP-2724)

Lab Batch #: 906325 **Sample:** 456934-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/06/13 02:08

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	61.4	50.1	123	70-135	

Lab Batch #: 906732 **Sample:** 456934-008 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 02:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.8	117	70-135	
o-Terphenyl	50.7	49.9	102	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: West Eunice Compressor

Work Order #: 456934 **Project ID:** (1RP-2724)

Lab Batch #: 906481 **Sample:** 633492-1-BKS **Matrix:** Solid

Date Analyzed: 02/07/2013 **Date Prepared:** 02/07/2013 **Analyst:** RKO

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

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<1.00	100	106	106	80-120	

Lab Batch #: 906768 **Sample:** 633706-1-BKS **Matrix:** Solid

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** RKO

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

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<1.00	100	101	101	80-120	

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

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: West Eunice Compressor

Work Order #: 456934 **Project ID:** (1RP-2724)

Analyst: KEB **Date Prepared:** 02/05/2013 **Date Analyzed:** 02/05/2013

Lab Batch ID: 906325 **Sample:** 633397-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	999	1010	101	999	1040	104	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	999	1050	105	999	1080	108	3	70-135	35	

Analyst: KEB **Date Prepared:** 02/11/2013 **Date Analyzed:** 02/11/2013

Lab Batch ID: 906732 **Sample:** 633683-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	999	1040	104	999	1060	106	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	999	1080	108	999	1100	110	2	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 / MSD Recoveries

Project Name: West Eunice Compressor

Work Order # : 456934 **Project ID:** (1RP-2724)

Lab Batch ID: 906481 **QC- Sample ID:** 456934-005 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/07/2013 **Date Prepared:** 02/07/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	3.27	107	117	106	107	116	105	1	80-120	20	

Lab Batch ID: 906768 **QC- Sample ID:** 456934-030 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	9.27	100	112	103	100	116	107	4	80-120	20	

Lab Batch ID: 906768 **QC- Sample ID:** 456934-032 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	2.44	100	106	104	100	109	107	3	80-120	20	

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

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

Form 3 - MS / MSD Recoveries

Project Name: West Eunice Compressor

Work Order # : 456934 **Project ID:** (1RP-2724)

Lab Batch ID: 906768 **QC- Sample ID:** 457380-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** RKO

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Chloride	8.79	99.9	109	100	99.9	110	101	1	80-120	20	

Lab Batch ID: 906325 **QC- Sample ID:** 456934-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/06/2013 **Date Prepared:** 02/05/2013 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
C6-C12 Gasoline Range Hydrocarbons	<19.1	1270	1260	99	1310	1310	100	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<19.1	1270	1290	102	1310	1340	102	4	70-135	35	

Lab Batch ID: 906732 **QC- Sample ID:** 456934-008 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/12/2013 **Date Prepared:** 02/11/2013 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
C6-C12 Gasoline Range Hydrocarbons	<15.6	1040	1060	102	1040	1070	103	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.6	1040	1100	106	1040	1110	107	1	70-135	35	

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

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: West Eunice Compressor

Work Order #: 456934

Lab Batch #: 906255 **Project ID:** (1RP-2724)
Date Analyzed: 02/05/2013 12:45 **Date Prepared:** 02/05/2013 **Analyst:** WRU
QC- Sample ID: 456826-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	7.30	7.30	0	20	

Lab Batch #: 906257
Date Analyzed: 02/05/2013 12:45 **Date Prepared:** 02/05/2013 **Analyst:** WRU
QC- Sample ID: 456934-008 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.72	3.97	7	20	

Lab Batch #: 906259
Date Analyzed: 02/05/2013 12:45 **Date Prepared:** 02/05/2013 **Analyst:** WRU
QC- Sample ID: 456934-028 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	16.7	18.1	8	20	

Lab Batch #: 906291
Date Analyzed: 02/05/2013 16:40 **Date Prepared:** 02/05/2013 **Analyst:** WRU
QC- Sample ID: 456934-030 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	19.5	20.4	5	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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Joel Lowry

Project Name: West Eunice Compressor

Company Name: Basin Environmental Service Technologies, LLC

Project #: (1RP-2724)

Company Address: P.O. Box 301

Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260

PO #: Bill Southern Union Gas

Telephone No: (575)396-2378

Fax No: (575) 396-1429

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

Sampler Signature: Joel Lowry

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

(lab use only) ORDER #: 456934

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Soil; NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 / 8015M 8015B	TPH: TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TCLP: / TOTAL: X)	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	SB-1 @ 6"			1/31/2013	900		1	X									X											X			X
02	SB-1 @ 4'			1/31/2013	915		1	X									X											X			
03	SB-2 @ 6"			1/31/2013	930		1	X									X											X			X
04	SB-2 @ 4'			1/31/2013	945		1	X									X											X			
05	SB-3 @ 6"			1/31/2013	1000		1	X									X											X			X
06	SB-3 @ 4'			1/31/2013	1015		1	X									X											X			
07	SB-4 @ 6"			1/31/2013	1030		1	X									X											X			X
08	SB-4 @ 4'			1/31/2013	1045		1	X									X											X			
09	SB-5 @ 6"			1/31/2013	1100		1	X									X											X			X
10	SB-5 @ 4'			1/31/2013	1115		1	X									X											X			

Special Instructions:
Hold 4' Samples Pending 6" Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	2-1-13	1256	Steve Butler	2-1-13	1256
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Shaunee Smith	Date 2-4-13	Time 10:46

Laboratory Comments:

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

Temperature Upon Receipt: 5.5 °C

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: 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, cyndi.inskeep@sug.com, rose.slade@sug.com

Project Name: West Eunice Compressor

Project #: (1RP-2724)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas

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

(lab use only) ORDER #: 456934

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW = Drinking Water SL = Sludg / GW = Groundwater S = Soil/Soil / NP = Non-Potable Specify Othe	Analyze For: TCLP: TPH: 418.1 8015M	TOTAL: TPH: 8015B 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 X	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
11	SB-6 @ 6"			1/31/2013	1130		1	X									X											X			X
12	SB-6 @ 4'			1/31/2013	1145		1	X									X											X			
13	SB-7 @ 6"			1/31/2013	1200		1	X									X											X			X
14	SB-7 @ 4'			1/31/2013	1215		1	X									X											X			
15	SB-8 @ 6"			1/31/2013	1230		1	X									X											X			X
16	SB-8 @ 4'			1/31/2013	1245		1	X									X											X			
17	SB-9 @ 6"			1/31/2013	1300		1	X									X											X			X
18	SB-9 @ 4'			1/31/2013	1315		1	X									X											X			
19	SB-10 @ 6"			1/31/2013	1330		1	X									X											X			Y
20	SB-10 @ 4'			1/31/2013	1345		1	X									X											X			

Special Instructions:
Hold 4' Samples Pending 6" Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	2-1-13	1256	Steve Butler	2-1-13	1256
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Maurice Smith	Date 2-4-13	Time 10:46

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 5.5 °C

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: Joel Lowry
Project Name: West Eunice Compressor
Company Name: Basin Environmental Service Technologies, LLC
Project #: (1RP-2724)
Company Address: P.O. Box 301
Project Loc: Lea County, NM
City/State/Zip: Lovington, NM 88260
PO #: Bill Southern Union Gas
Telephone No: (575)396-2378
Fax No: (575) 396-1429
Report Format: [X] Standard [ ] TRRP [ ] NPDES
Sampler Signature: Joel Lowry
e-mail: pm@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com

(lab use only) ORDER #: 456934

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Soil; NP=Non-Potable Specify Othe	Analyze For: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TOTAL: X)	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
21	SB-11 @ 6"			1/31/2013	1400		1	X									X											X				X
22	SB-11 @ 4'			1/31/2013	1415		1	X									X											X				
23	SB-12 @ 6"			1/31/2013	1430		1	X									X											X				X
24	SB-12 @ 4'			1/31/2013	1445		1	X									X											X				X
25	SB-13 @ 6"			1/31/2013	1500		1	X									X											X				X
26	SB-13 @ 4'			1/31/2013	1515		1	X									X											X				
27	SB-14 @ 6"			1/31/2013	1530		1	X									X											X				X
28	SB-14 @ 4'			1/31/2013	1545		1	X									X											X				
29	SB-15 @ 6"			1/31/2013	1600		1	X									X											X				X
30	SB-15 @ 4'			1/31/2013	1615		1	X									X											Y				

Special Instructions:
Hold 4' Samples Pending 6" Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	2-1-13	1256	Steve Batton	2-1-13	1256
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Shawnee Smith	2-4-13	10:46

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: 5.5 °C

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: 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, cyndi.inskeep@sug.com, rose.slade@sug.com

Project Name: West Eunice Compressor

Project #: (1RP-2724)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas

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

(lab use only) ORDER #: 456934

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludg	GW=Groundwater S=Soil/Sol	NP=Non-Potable Specify Othe	Analyze For: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
31	SB-16 @ 6"			1/31/2013	1630		1	X											X								X			X			X
32	SB-16 @ 4'			1/31/2013	1645		1	X											X								X			X			

Special Instructions:
Hold 4' Samples Pending 6" Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	2-1-13	1256	Steve Butler	2-1-13	1256
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Shawnee Smith	2-4-13	10:46

Laboratory Comments:

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

Temperature Upon Receipt: 5-5 °C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 02/04/2013 10:46:00 AM

Work Order #: 456934

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

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	5.5
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**Yes**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**Yes**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**Yes**

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

Analyst:	PH Device/Lot#:

Checklist completed by: _____ Date: _____

Checklist reviewed by: _____ Date: _____

Analytical Report 457374

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

West Eunice Compressor

1RP-2724

13-FEB-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

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

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

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

13-FEB-13

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

Reference: XENCO Report No(s): **457374**
West Eunice Compressor
Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 457374. 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. 457374 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 457374

Southern Union Gas Services- Monahans, Monahans, TX

West Eunice Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-14 @ 2'	S	01-31-13 15:35	2 ft	457374-001
SB-14 @ 6'	S	01-31-13 15:55	6 ft	457374-002

Project ID:	*1RP-2724*	Report Date:	*13-FEB-13*
Work Order Number(s):	*457374*	Date Received:	*02/08/2013*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 457374

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: 1RP-2724
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Fri Feb-08-13 09:45 am
Report Date: 13-FEB-13
Project Manager: Nicholas Straccione

Analysis Requested								
	Lab Id:	457374-001		457374-002				
	Field Id:	SB-14 @ 2'		SB-14 @ 6'				
	Depth:	2- ft		6- ft				
	Matrix:	SOIL		SOIL				
	Sampled:	Jan-31-13 15:35		Jan-31-13 15:55				
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	***Extracted:***	Feb-12-13 20:15		Feb-12-13 20:33				
	Analyzed:	Feb-12-13 20:15		Feb-12-13 20:33				
	Units/RL:	mg/kg	RL	mg/kg	RL			
Chloride		3.53	1.13	55.5	1.09			
Percent Moisture	***Extracted:***							
	Analyzed:	Feb-11-13 17:00		Feb-11-13 17:00				
	Units/RL:	%	RL	%	RL			
Percent Moisture		11.7	1.00	8.95	1.00			
TPH By SW8015 Mod	***Extracted:***	Feb-12-13 11:25		Feb-12-13 11:25				
	Analyzed:	Feb-12-13 16:35		Feb-12-13 17:10				
	Units/RL:	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		ND	17.0	ND	16.5			
C12-C28 Diesel Range Hydrocarbons		ND	17.0	ND	16.5			
C28-C35 Oil Range Hydrocarbons		ND	17.0	ND	16.5			
Total TPH		ND	17.0	ND	16.5			

Nicholas Straccione
Project Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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 - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: West Eunice Compressor

Work Orders : 457374,

Project ID: 1RP-2724

Lab Batch #: 906817 **Sample:** 457374-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 16:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.8	107	70-135	
o-Terphenyl	55.5	49.9	111	70-135	

Lab Batch #: 906817 **Sample:** 457374-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 17:10

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.4	100	89	70-135	
o-Terphenyl	45.6	50.0	91	70-135	

Lab Batch #: 906817 **Sample:** 633729-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/12/13 14:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	54.1	50.1	108	70-135	

Lab Batch #: 906817 **Sample:** 633729-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/12/13 13:46

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.7	117	70-135	
o-Terphenyl	46.2	49.9	93	70-135	

Lab Batch #: 906817 **Sample:** 633729-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/12/13 14:18

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	52.0	50.0	104	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: West Eunice Compressor

Work Orders : 457374,

Project ID: 1RP-2724

Lab Batch #: 906817 **Sample:** 457374-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 19:50

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	99.8	119	70-135	
o-Terphenyl	52.2	49.9	105	70-135	

Lab Batch #: 906817 **Sample:** 457374-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/12/13 20:22

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	51.6	50.1	103	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: West Eunice Compressor

Work Order #: 457374 **Project ID:** 1RP-2724

Lab Batch #: 906818 **Sample:** 633730-1-BKS **Matrix:** Solid

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** RKO

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

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<1.00	100	105	105	80-120	

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

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: West Eunice Compressor

Work Order #: 457374
Analyst: KEB
Lab Batch ID: 906817
Sample: 633729-1-BKS
Units: mg/kg

Date Prepared: 02/12/2013
Batch #: 1

Project ID: 1RP-2724
Date Analyzed: 02/12/2013
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	997	1040	104	1000	1090	109	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	997	1090	109	1000	1120	112	3	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: West Eunice Compressor

Work Order # : 457374 **Project ID:** 1RP-2724

Lab Batch ID: 906817 **QC- Sample ID:** 457374-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/12/2013 **Date Prepared:** 02/12/2013 **Analyst:** KEB

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.0	998	1040	104	1000	1020	102	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	998	1070	107	1000	1040	104	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 ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

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: 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, cyndi.inskeep@sug.com, rose.slade@sug.com

Project Name: West Eunice Compressor

Project #: (1RP-2724)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas

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

(lab use only)
ORDER #: 457374

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 Othe	Analyze For: TCLP: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: 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
	SB-14 @ 2'			1/31/2013	1535		1	X											X											X				X
	SB-14 @ 6'			1/31/2013	1555		1	X											X											X				

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	2/8/13	9:45		2/8/13	945
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	2/11/13	08:00

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	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 13.4 °C

4.0 °C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 02/08/2013 09:45:00 AM

Work Order #: 457374

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

Temperature Measuring device used :

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

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

Analyst:	PH Device/Lot#:

Checklist completed by: _____ Date: 02/11/2013

Checklist reviewed by: Alejandro M. Date: 02/11/2013

Alejandro Montoya

Analytical Report 459012

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

West Eunice Compressor

(1RP-2724)

14-MAR-13

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

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

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

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

14-MAR-13

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

Reference: XENCO Report No(s): **459012**
West Eunice Compressor
Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459012. 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. 459012 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 459012

Southern Union Gas Services- Monahans, Monahans, TX

West Eunice Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-14a	S	03-08-13 15:00		459012-001

Project ID:	*(1RP-2724)*	Report Date:	*14-MAR-13*
Work Order Number(s):	*459012*	Date Received:	*03/08/2013*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 459012

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: West Eunice Compressor

Project Id: (1RP-2724)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Fri Mar-08-13 03:32 pm
Report Date: 14-MAR-13
Project Manager: Nicholas Straccione

Analysis Requested							
	Lab Id:	459012-001					
	Field Id:	SB-14a					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Mar-08-13 15:00					
BTEX by EPA 8021B	***Extracted:***	Mar-13-13 15:30					
	Analyzed:	Mar-13-13 22:39					
	Units/RL:	mg/kg RL					
Benzene		ND 0.00101					
Toluene		ND 0.00201					
Ethylbenzene		ND 0.00101					
m_p-Xylenes		ND 0.00201					
o-Xylene		ND 0.00101					
Total Xylenes		ND 0.00101					
Total BTEX		ND 0.00101					
Percent Moisture	***Extracted:***						
	Analyzed:	Mar-12-13 11:35					
	Units/RL:	% RL					
Percent Moisture		ND 1.00					

Nicholas Straccione
Project Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: West Eunice Compressor

Work Orders : 459012,

Project ID: (1RP-2724)

Lab Batch #: 908965 **Sample:** 459012-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/13/13 22:39

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0328	0.0300	109	80-120	
4-Bromofluorobenzene	0.0267	0.0300	89	80-120	

Lab Batch #: 908965 **Sample:** 635091-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/13/13 22:23

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 908965 **Sample:** 635091-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/13/13 21:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 908965 **Sample:** 635091-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 03/13/13 22:07

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 908965 **Sample:** 459027-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/14/13 02:59

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	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: West Eunice Compressor

Work Orders : 459012,

Project ID: (1RP-2724)

Lab Batch #: 908965 **Sample:** 459027-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 03/14/13 03:16

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	
4-Bromofluorobenzene	0.0345	0.0300	115	80-120	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: West Eunice Compressor

Work Order #: 459012 **Project ID:** (1RP-2724)

Analyst: KEB **Date Prepared:** 03/13/2013 **Date Analyzed:** 03/13/2013

Lab Batch ID: 908965 **Sample:** 635091-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000992	0.0992	0.0854	86	0.0998	0.0835	84	2	70-130	35	
Toluene	<0.00198	0.0992	0.0854	86	0.0998	0.0781	78	9	70-130	35	
Ethylbenzene	<0.000992	0.0992	0.0793	80	0.0998	0.0783	78	1	71-129	35	
m_p-Xylenes	<0.00198	0.198	0.152	77	0.200	0.146	73	4	70-135	35	
o-Xylene	<0.000992	0.0992	0.0811	82	0.0998	0.0759	76	7	71-133	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 / MSD Recoveries

Project Name: West Eunice Compressor

Work Order # : 459012 **Project ID:** (1RP-2724)

Lab Batch ID: 908965 **QC- Sample ID:** 459027-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 03/14/2013 **Date Prepared:** 03/13/2013 **Analyst:** KEB

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00106	0.106	0.0882	83	0.106	0.0966	91	9	70-130	35	
Toluene	<0.00212	0.106	0.0797	75	0.106	0.0819	77	3	70-130	35	
Ethylbenzene	<0.00106	0.106	0.0785	74	0.106	0.0844	80	7	71-129	35	
m_p-Xylenes	<0.00212	0.212	0.149	70	0.213	0.157	74	5	70-135	35	
o-Xylene	<0.00106	0.106	0.0788	74	0.106	0.0829	78	5	71-133	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: West Eunice Compressor

Work Order #: 459012

Lab Batch #: 908810 **Project ID:** (1RP-2724)

Date Analyzed: 03/12/2013 11:35 **Date Prepared:** 03/12/2013 **Analyst:** WRU

QC- Sample ID: 459012-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	<1.00	<1.00	0	20	U

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

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: 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: Miguel Rios

Project Name: West Eunice Compressor
Project #: (IRP-2724)
Project Loc: Lea County, NM
PO #: Bill Southern Union Gas
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: PM@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com

(lab use only)
ORDER #: 45902

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: 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.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	SB-14a			3-8-13	15:00		1	X								Soil								X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Miguel Rios	3-8-13	15:30	Steve Battle	3-8-13	1532
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Shawn Johnson	3/11/13	10:07

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	Y	(NA)
Labels on container(s)	(Y)	N
Custody seals on container(s)	Y	(N)
Custody seals on cooler(s)	(Y)	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	(N)

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:	As Read	Corrected
	25.1	°C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 03/08/2013 03:32:00 PM

Work Order #: 459012

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

Temperature Measuring device used :

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

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

Analyst:	PH Device/Lot#:

Checklist completed by: _____ Date: _____

Checklist reviewed by: _____ Date: _____

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

State of New Mexico
Energy Minerals and Natural Resources

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

HOBBS OCD
JUL 18 2011
RECEIVED

Form C-14
Revised October 10, 200
Submit 2 Copies to appropriat
District Office in accordanc
with Rule 116 on bacl
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Repc

Name of Company Southern Union Gas Services	Contact Curt Stanley
Address 801 South Loop 464, Monahans, TX 79756	Telephone No. 432-940-5147
Facility Name West Eunice Compressor Station	Facility Type Natural Gas Pipeline

Surface Owner Southern Union Gas Services	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
P	36	21S	36E					Lea

Latitude 32 degrees 25' 45.29" **Longitude** 103 degrees 12' 38.84"

NATURE OF RELEASE

Type of Release Lubricating Oil and Wash Water	Volume of Release 12 BBLS	Volume Recovered 9.5 BBLS
Source of Release Sump Tank	Date and Hour of Occurrence June 12, 2011 – 0200 hours	Date and Hour of Discovery July 13, 2011 – 1000 hours
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? NA	
By Whom? NA	Date and Hour NA	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
An overhead bulk lubricating oil tank valve was left open, which resulted in the overfilling of a tank located on the compressor unit. The oil flowed into the compressor unit curbing and into the north sump tank. A pump located on the sump, which should activate and transfer the contents of the sump to the wastewater tank, failed. Due to the failure of the sump pump, the sump overfilled and allowed a mixture of approximately 12 barrels of oil and wash water to impact the ground. A vacuum truck was utilized to recover approximately 9.5 barrels.

Describe Area Affected and Cleanup Action Taken.*
An area measuring approximately 15 feet in width and 150 feet in length was affected by the release. A backhoe was utilized to scrape up the heavily saturated soil. In sensitive areas of the facility, the saturated soil was "hand dug". Following initial excavation activities the impacted soil was transport to Sundance for disposal.

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: C. H. Stanley

Printed Name: Curt Stanley

Title: EHS Compliance Specialist

E-mail Address: curt.stanley@sug.com

Date: July 18, 2011 Phone: 575-390-7595

OIL CONSERVATION DIVISION

Approved by ~~District Supervisor~~ ENV ENGINEER: Geoffrey Leking

Approval Date: 07/18/11 Expiration Date: 09/18/11

Conditions of Approval: SUBMIT FINAL C-141 BY 09/18/11.

Attached ☐

IRP-07-11-2724

* Attach Additional Sheets If Necessary

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Crystal Callaway
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	817-302-9407
Facility Name:	West Eunice Compressor Station (RP-2724)	Facility Type	Natural Gas Gathering

Surface Owner Southern Union Gas Services	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
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Latitude 32 degrees 25' 45.29" **Longitude** 103 degrees 12' 38.84"

NATURE OF RELEASE

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Source of Release: Sump Tank	Date and Hour of Occurrence June 12, 2011 -0200 hours	Date and Hour of Discovery July 13, 2011 – 1000 hours
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? NA	
By Whom? NA	Date and Hour: NA	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

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Describe Area Affected and Cleanup Action Taken.*
An area measuring approximately 15 feet in width and 150 feet in length was affected by the release. A backhoe was utilized to scrape up the heavily saturated soil. In sensitive areas of the facility, the saturated soil was "hand dug". Following initial excavation activities the impacted soil was transported to Sundance for disposal.

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

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

Signature: Crystal Callaway	OIL CONSERVATION DIVISION
Printed Name: Crystal Callaway	Approved by District Supervisor:
Title: Senior Environmental Remediation Specialist	Approval Date: / Expiration Date:
E-mail Address: Crystal.Callaway@Regencygas.com	Conditions of Approval:
Date: 10/13/2014 Phone: 817-302-9407	