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	Rose Slade
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	432-940-5147
Facility Name: Wantz Compressor Station (RP-2580)		Facility Type	Natural Gas Gathering

Surface Owner Mary E. Wantz	Mineral Owner:	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	21	21S	37E					Lea

Latitude N32.460176 Longitude W103.175548

NATURE OF RELEASE

Type of Release: Crude oil and Produced Water	Volume of Release 10 bbls	Volume Recovered 2 bbls
Source of Release: Truck Release	Date and Hour of Occurrence July 7, 2010, 1650 hrs	Date and Hour of Discovery July 7, 2010, 1650 hrs
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken:
A hose on a 3rd party transport truck failed during loading operations, releasing a mixture of crude oil and produced water. A vacuum truck was used to recover free standing fluids.

Describe Area Affected and Cleanup Action Taken.
An area measuring approximately 1,500 square feet was affected by the release. Clean sorb was applied to the surface stain to further stabilize the release and absorbent booms were installed in low areas along the fence line to minimize the potential for travel outside the station during a rain event. The release will be remediated according to NMOCD regulatory guidelines.

Confirmation soil samples collected from the excavated area indicated chloride, BTEX and TPH concentrations were below NMOCD regulatory standards. Beginning January 18, 2012, approximately 48 yd^3 of impacted material was excavated from the release site and transported to an NMOCD-approved facility.

Please reference the attached Basin Environmental Services Technologies *Remediation Summary and Site Closure Request* for laboratory analytical results from confirmation soil sampling and 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: Rose L Slade	OIL CONSERVATION DIVISION	
Printed Name: Rose L. Slade	Approved by District Supervisor: Geoffrey Leking Environmental Specialist	
Title: EHS Compliance Specialist	Approval Date: 3/1/13	Expiration Date: –
E-mail Address: rose.slade@sug.com	Conditions of Approval: –	
Date: Phone: 432-940-5147(cell)		IRP-2580

MAR 0 4 2013

Basin Environmental Service Technologies, LLC

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

Effective Solutions

REMEDIATION SUMMARY &

SITE CLOSURE REQUEST

SOUTHERN UNION GAS SERVICES
WANTZ COMPRESSOR STATION (1RP-2580)
Lea County, New Mexico
Unit Letter "P" (SE/SE), Section 21, Township 21 South, Range 37 East
Latitude 32.460176° North, Longitude 103.175548° West
NMOCD Reference # 1RP-2580

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

February 2013

Joel W. Lowry
Project Manager

JOEL WILL SEND CORRECTED FIG — APPROVD THE FINAL C-141
3/1/13 MTG

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3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES 2
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Appendix B – Laboratory Analytical Reports
Appendix C – Disposal Manifests
Appendix D – Release Notification and Corrective Action (Form C-141)

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 & Risk-Based Site Closure Request* for the release site known as the Wantz Compressor Station Historical. The legal description of the release site is Unit Letter "P" (SE/SE), Section 21, Township 21 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32.460176° North latitude and 103.175548° West longitude. The property affected by the release is owned by the Mary E Wantz Estate. Please reference Figure 1 for a "Site Location Map".

On July 7, 2010, Southern Union discovered a release had occurred at the Wantz Compressor Station. The "Release Notification and Corrective Action" (Form C-141) indicated a hose on third party transport truck failed during loading operations resulting in the release of approximately ten barrels (10 bbls) of crude oil and produced water mixture. During initial response activities, approximately two barrels (2 bbls) of free standing fluid was recovered and clean sorb was applied to the surface stain to further stabilize the release. Absorbent booms were installed in low areas along the fenceline to minimize the potential for travel outside the station during a rain event. The release affected approximately one thousand, five hundred square feet (1,500 ft^2) of caliche pad. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office immeditately upon discovery. General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix D.

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 30, Township 24 South, Range 37 East. An NMOCD representative indicated the depth to groundwater is approximately eighty (80') bgs on the initial C-141. Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

There is one domestic water well approximately two hundred fifteen feet (215') northwest (up gradient) of the release site. Based on the NMOCD ranking system, ten (10) 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 Wantz Compressor Station Historical Release Site has an initial ranking score of twenty (20) points. The soil remediation levels for a site with a ranking score of greater than nineteen (>19) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 100 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 December 4, 2012, Basin responded to the release site. Two (2) initial soil samples (SP#1 @ Surface and SP#1 @ 2') were collected from beneath the load line in an effort to determine the nature and extent of soil impact. Soil samples were submitted to Xenco Laboratories, of Odessa, Texas for analysis of TPH and chloride concentrations in accordance with EPA Methods SW 846-8021B and 300/300.1, respectively. Laboratory analytical results indicated TPH concentrations ranged from 580 mg/Kg foir soil sample SP#1 @ 2' tp 6,940 mg/Kg for soil sample SP#1 @ Surface. Chloride concentrations ranged from 172 mg/Kg for soil sample SP#1 @ 2' to 2,270 mg/Kg for soil sample SP#1 @ Surface. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". Soil sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided as Appendix B.

On December 28, 2012, Basin began delineation activities at the release site. A representative grid was established east of the tank battery in an effort to determine the horizontal extent of soil impact. Nine (9) hand-augered soil borings were advanced approximately fifteen feet (15') apart. During the advancement of the soil borings, soil samples were collected at the surface, two feet (2') and (4') and submitted to the laboratory for analysis of TPH and chloride concenrtatinos. Laboratory analytical results indicated TPH concentrations were below NMOCD Regulatory Standards for each of the submitted soil samples with the exception of soil samples SP1a @ Surface, SP2a @ Surface and SP2b @ Surface, which had concentrations of 1,110 mg/Kg, 742 m/Kg and 138 mg/Kg, respectively.

On January 18, 2013, excavation activities commenced at the location. The excavation was advanced to approximately two feet (2') bgs in the areas represented by soil samples SP1a @ Surface, SP2a @ Surface and SP2b @ Surface. The final dimesions of the excavation were approximately thirty feet (30') in length, twenty-eight (28) to eighteen feet (18') in width and two feet (2') in depth. The area beneath the loadline represented by soil samples SP#1 @ Surface and SP#1 @ 2' was advanced to approximately four feet (4') bgs.

Upon completing excavation activities, (3) soil samples (S. Floor, N. Floor and Loadline) were collected from the floor of the excavation and submitted to the laboratory for analysis of TPH and chloride concentration. Collected soil samples were also analyzed for BTEX constituent concentrations in accordance with EPA Method SW846-8015M. Laboratory analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Chloride concentrations ranged from 8.70 mg/Kg for soil sample N. Floor to 30.3 mg/Kg for soil sample S. Floor. BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Concentrations of TPH, chloride and BTEX were below NMOCD regulatory standards in each of the submitted soil samples.

Between January 18 and 21, 2013, approximately forty-eight cubic yards (48 yd^3) of impacted soil was transported to Sundance Services, Inc. (NMOCD Permit #01-003) for disposal. The excavation was backfilled with locally purchased, non-impacted material. Backfill was

compacted in lifts, water packed and graded to meet the needs of the compressor facility. Copies of disposal manifest are provided as Appendix C.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Xenco Laboratories, Inc., 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

Soil samples collected from the excavation at the Wantz Compressor Station were analyzed by an NMOCD-approved laboratory, which determined concentrations of benzene, BTEX, TPH and chloride were below NMOCD regulatory standards in each of the submitted soil samples. Based on the laboratory analytical results from confirmation soil samples, 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 Wantz Compressor Station 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

FIGURES

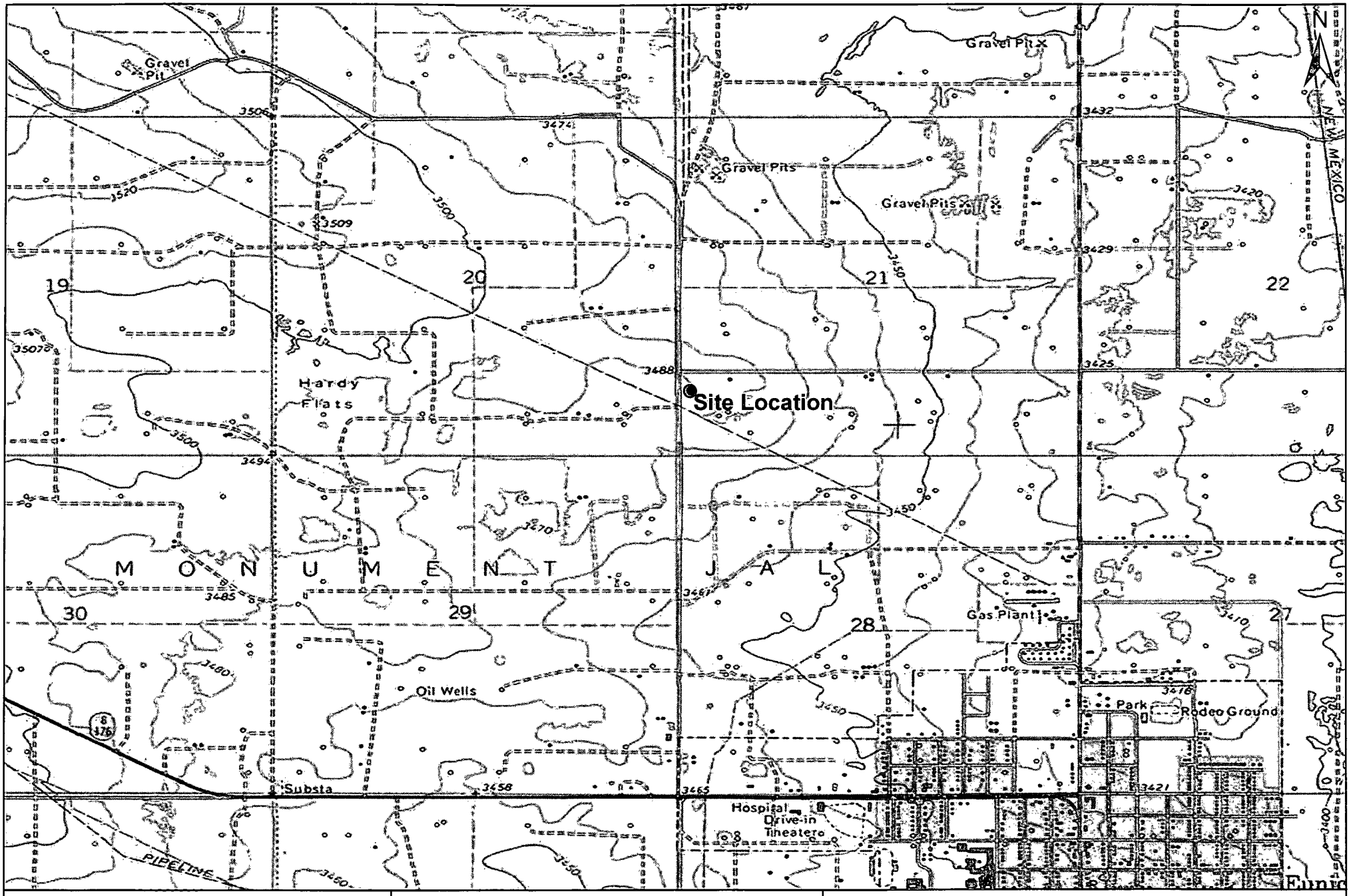
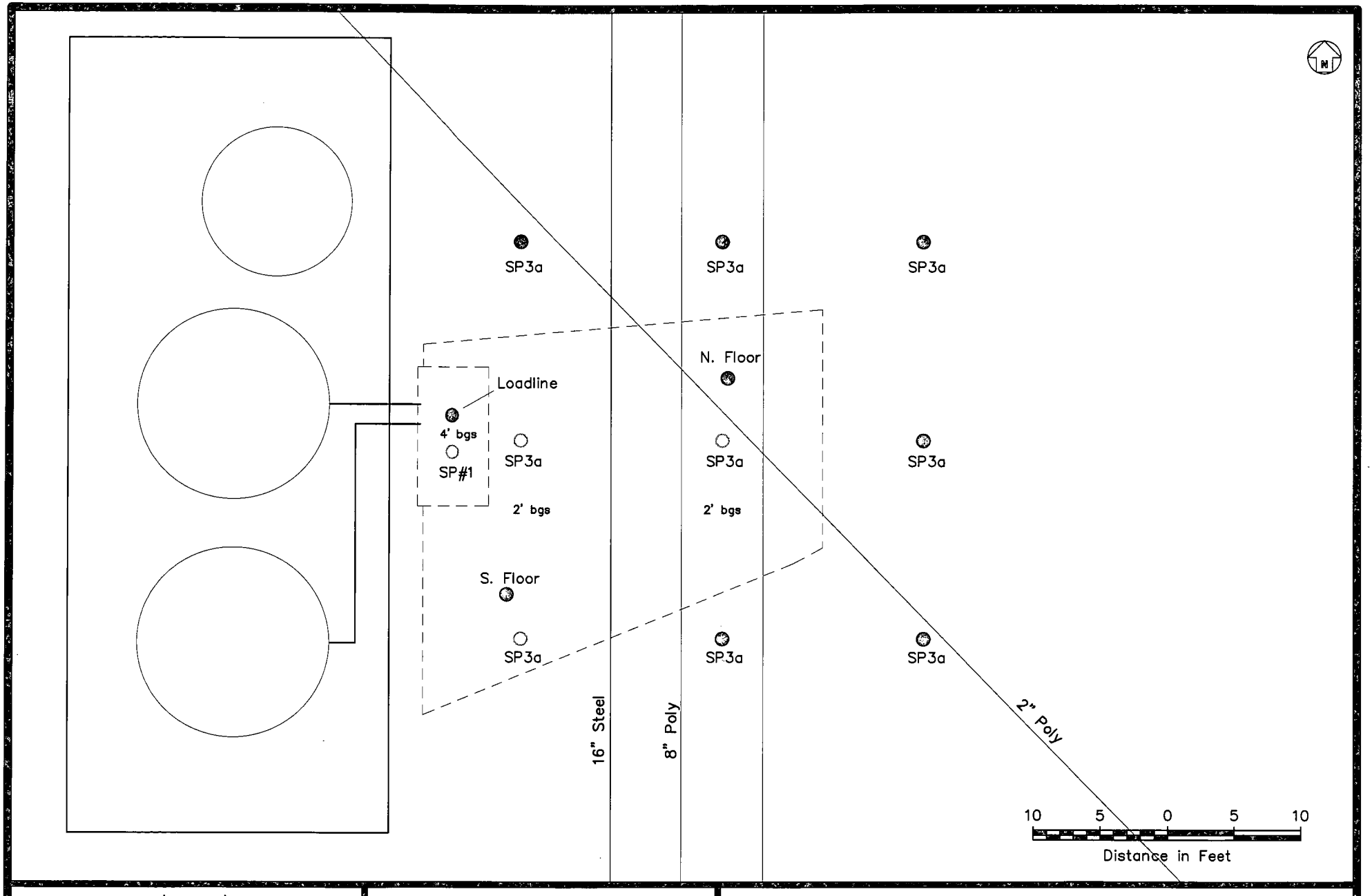


Figure 1
Site Location Map
Southern Union Gas Services
Wantz Compressor
Lea County, New Mexico
NMOCD Reference #: 1RP-2580

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

Drawn By: BJA	Checked By: JWL
November 12, 2012	Scale: 1" = 2000'



Legend

- Sample Location
- Fence
- Excavation Extent
- Pipeline

Figure 2
Site & Sample Location Map
Southern Union Gas Services
Wantz Compressor Station
NMOCD Ref RP-2580
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL	Checked By: BJA
December 28, 2012	Scale 1"=10'

TABLES

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
WANTZ COMPRESSOR HISTORICAL
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-2580

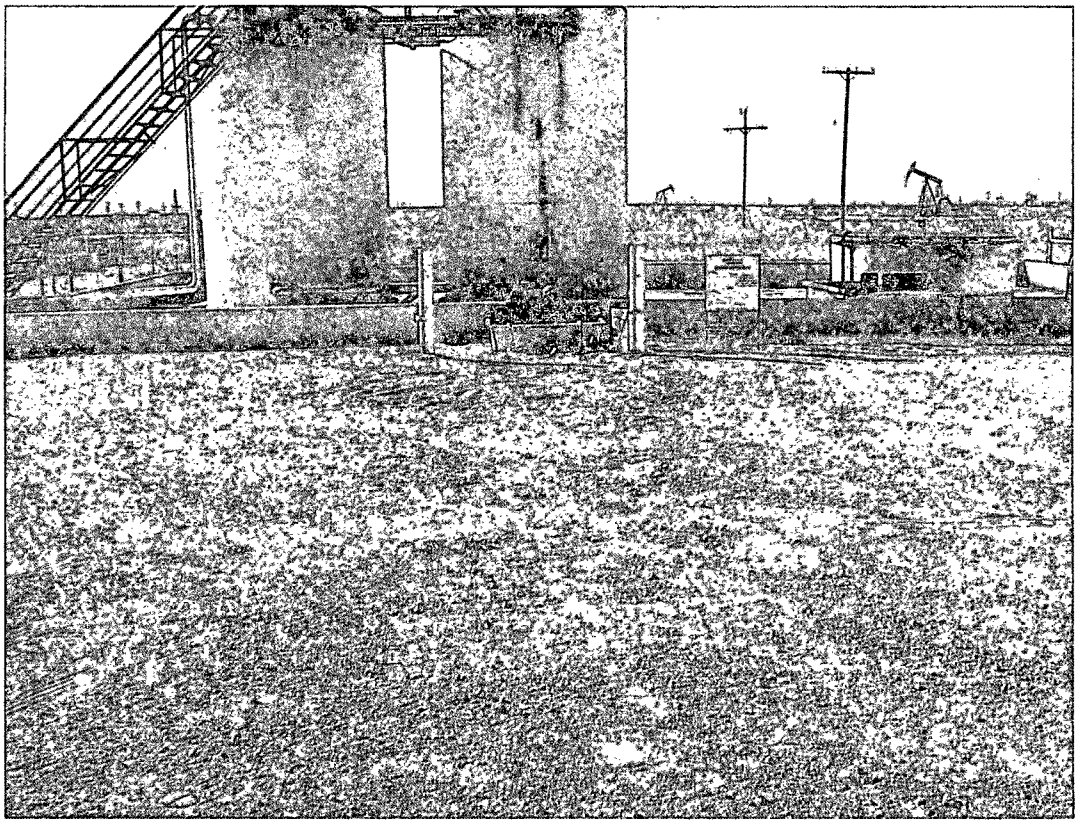
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)	TOTAL TPH C_6-C_{28} (mg/Kg)	CHLORIDE (mg/Kg)
SP#1 @ Surface	Surface	12/4/2012	Excavated	-	-	-	-	-	<80.2	6,600	336	**6,940**	**2,270**
SP#1 @ 2'	2'	12/4/2012	Excavated	-	-	-	-	-	<15.4	557	22.5	**580**	172
SP1a @ Surface	Surface	12/28/2012	Excavated	-	-	-	-	-	<15.9	1,020	91.7	**1,110**	57.0
SP1a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<16.7	<16.7	<16.7	<16.7	3.22
SP1a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<18.7	34.8	<18.7	34.8	15.3
SP2a @ Surface	Surface	12/28/2012	Excavated	-	-	-	-	-	<18.1	705	36.9	**742**	13.4
SP2a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<17.8	<17.8	<17.8	<17.8	<1.19
SP2a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<19.0	<19.0	<19.0	<19.0	3.73
SP3a @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.8	<18.8	<18.8	<18.8	30.0
SP3a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<17.9	<17.9	<17.9	<17.9	2.68
SP3a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	29.5
SP1b @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.8	95.5	<18.8	95.5	21.6
SP1b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.3	15.5	<15.3	15.5	5.03
SP1b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	3.95
SP2b @ Surface	Surface	12/28/2012	Excavated	-	-	-	-	-	<19.1	138	<19.1	**138**	<1.27
SP2b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.4	<15.4	<15.4	<15.4	1.18
SP2b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<18.2	<18.2	<18.2	<18.2	1.41
SP3b @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	<1.04
SP3b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.2	<15.2	<15.2	<15.2	<1.02
SP3b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	7.50
SP1c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.5	<18.5	<18.5	<18.5	6.35
SP1c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.3	<15.3	<15.3	<15.3	2.48
SP1c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<15.5	<15.5	<15.5	<15.5	2.67
SP2c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	10.2
SP2c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<18.3	<18.3	<18.3	<18.3	1.90
SP2c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	7.66
SP3c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	<1.03
SP3c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.2	<15.2	<15.2	<15.2	<1.02
SP3c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.0	21.0	<16.0	21.0	2.07
S. Floor	2'	1/21/2013	In-Situ	<0.00105	<0.00210	<0.00105	<0.00210	<0.00210	<15.8	<15.8	<15.8	<15.8	30.3
N. Floor	2'	1/21/2013	In-Situ	<0.00119	<0.00237	<0.00119	<0.00237	<0.00237	<17.8	<17.8	<17.8	<17.8	8.70
Loadline	4'	1/21/2013	In-Situ	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.0	<16.0	<16.0	<16.0	8.87
NMOCD Standard				**10**				**50**				**100**	**250**

- = Not analyzed.

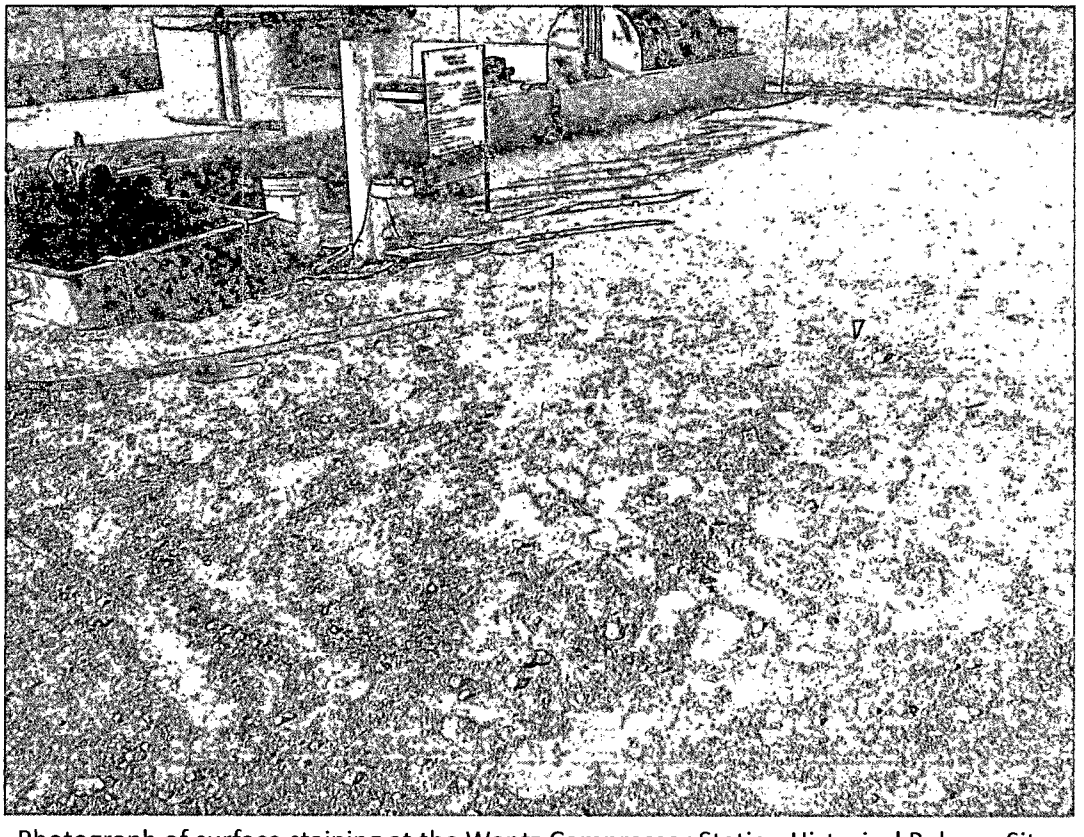
APPENDICES

Appendix A

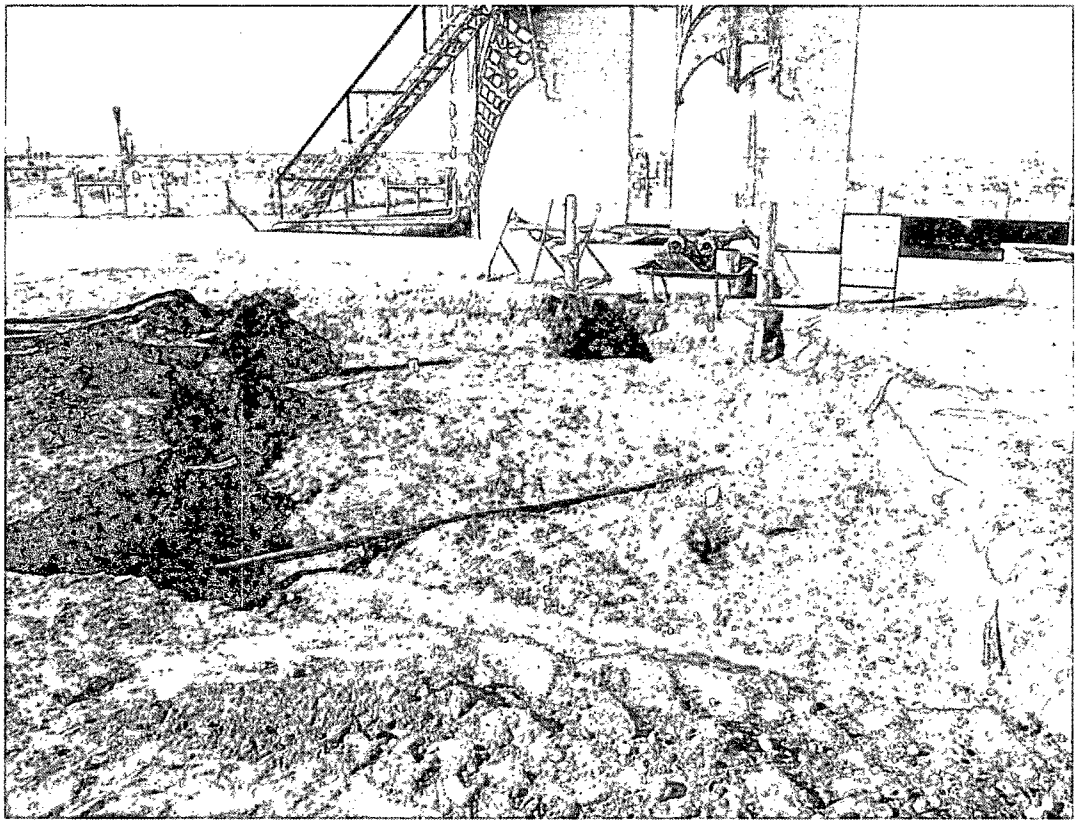
Photographs



Photograph of surface staining at the Wantz Compressor Station Historical Release Site.

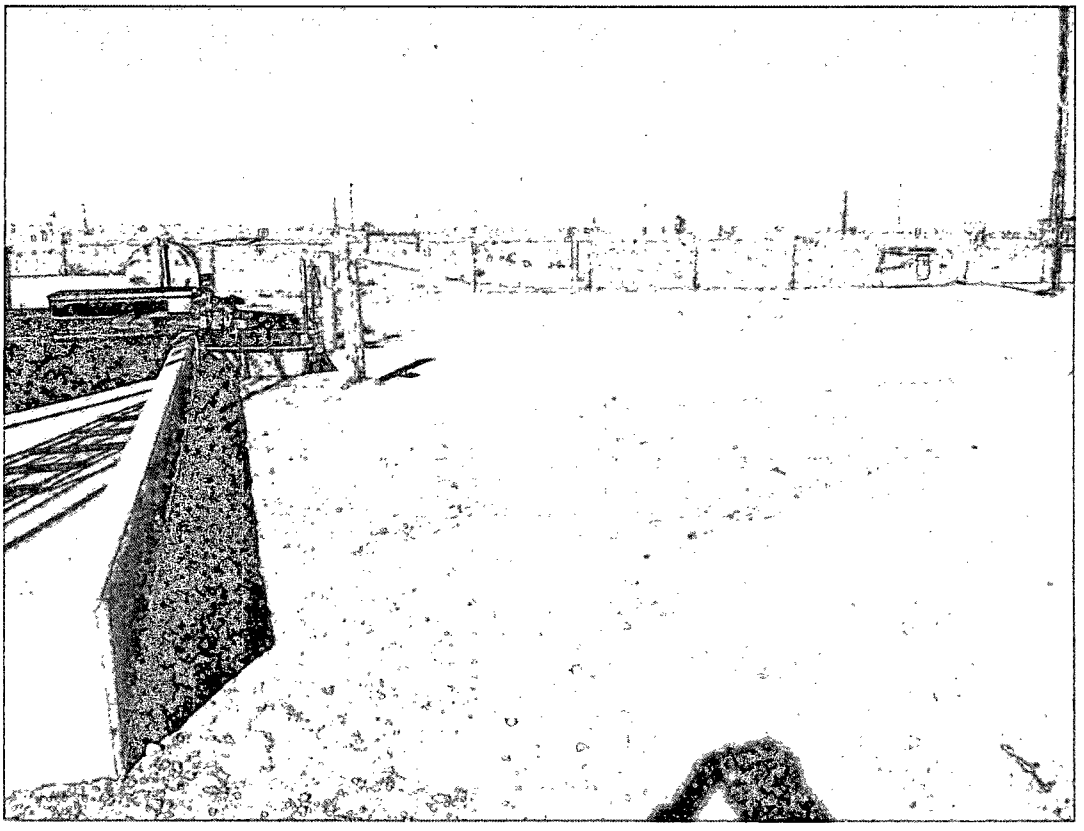


Photograph of surface staining at the Wantz Compressor Station Historical Release Site.

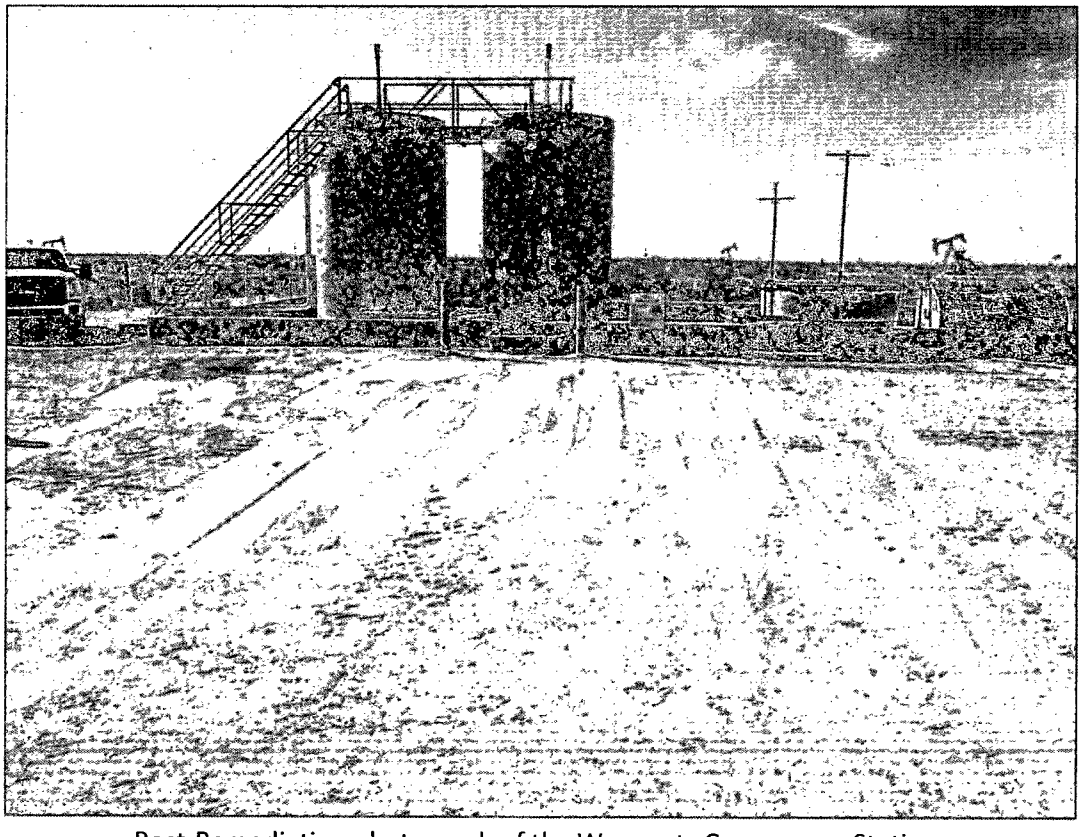


Photograph of the excavation and sample locations at the Wantz Compressor Station Historical Release Site.

Photograph of the excavation and sample locations at the Wantz Compressor Station Historical Release Site.



Post-Remediation photograph of the Wantz Compressor Station.



Post-Remediation photograph of the Wpspantz Compressor Station.

Appendix B

Laboratory Analytical Reports

Analytical Report 453597

for

Southern Union Gas Services- Monahans

Project Manager: Ben Arguijo

Wantz Compressor (RP-2580)

12-DEC-12

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

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

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

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

12-DEC-12

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

Reference: XENCO Report No(s): **453597**
Wantz Compressor (RP-2580)
Project Address: Lea County, NM

Ben Arguijo:

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) 453597. 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. 453597 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 453597

Southern Union Gas Services- Monahans, Monahans, TX

Wantz Compressor (RP-2580)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP#1 @ Surface	S	12-04-12 13:00		453597-001
SP#1 @ 2'	S	12-05-12 13:30		453597-002

CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans
Project Name: Wantz Compressor (RP-2580)

Project ID:
Work Order Number(s): 453597

Report Date: 12-DEC-12
Date Received: 12/06/2012

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-902505 Inorganic Anions by EPA 300/300.1
E300

Batch 902505, Chloride recovered below QC limits
Samples affected are: 453597-001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 453597

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wantz Compressor (RP-2580)

Project Id:
Contact: Ben Arguijo
Project Location: Lea County, NM

Date Received in Lab: Thu Dec-06-12 11:30 am
Report Date: 12-DEC-12
Project Manager: Nicholas Straccione

Analysis Requested									
	Lab Id:	453597-001		453597-002					
	Field Id:	SP#1 @ Surface		SP#1 @ 2'					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Dec-04-12 13:00		Dec-05-12 13:30					
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	***Extracted:***	Dec-08-12 18:17		Dec-08-12 18:34					
	Analyzed:	Dec-08-12 18:17		Dec-08-12 18:34					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		2270	5.37	172	1.03				
Percent Moisture	***Extracted:***								
	Analyzed:	Dec-10-12 09:25		Dec-10-12 09:25					
	Units/RL:	%	RL	%	RL				
Percent Moisture		6.77	1.00	2.94	1.00				
TPH By SW8015 Mod	***Extracted:***	Dec-07-12 08:30		Dec-07-12 08:30					
	Analyzed:	Dec-07-12 20:11		Dec-07-12 20:49					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	80.2	ND	15.4				
C12-C28 Diesel Range Hydrocarbons		6600	80.2	557	15.4				
C28-C35 Oil Range Hydrocarbons		336	80.2	22.5	15.4				
Total TPH		6940	80.2	580	15.4				

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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	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: Wantz Compressor (RP-2580)

Work Orders : 453597,

Project ID:

Lab Batch #: 902402 **Sample:** 453597-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/12 20:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	85.6	99.7	86	70-135	
o-Terphenyl	45.7	49.9	92	70-135	

Lab Batch #: 902402 **Sample:** 453597-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/12 20:49

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.5	99.6	78	70-135	
o-Terphenyl	39.5	49.8	79	70-135	

Lab Batch #: 902402 **Sample:** 630894-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/12 12:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.8	100	93	70-135	
o-Terphenyl	44.9	50.0	90	70-135	

Lab Batch #: 902402 **Sample:** 630894-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/12 10:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.1	100	91	70-135	
o-Terphenyl	52.7	50.1	105	70-135	

Lab Batch #: 902402 **Sample:** 630894-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/12 12:04

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.8	99.8	89	70-135	
o-Terphenyl	54.9	49.9	110	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: Wantz Compressor (RP-2580)

Work Orders : 453597,

Project ID:

Lab Batch #: 902402 **Sample:** 453592-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/12 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	101	100	101	70-135	
o-Terphenyl	54.1	50.1	108	70-135	

Lab Batch #: 902402 **Sample:** 453592-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/12 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	96.1	100	96	70-135	
o-Terphenyl	54.8	50.1	109	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: Wantz Compressor (RP-2580)

Work Order #: 453597 **Project ID:**

Analyst: JOL **Date Prepared:** 12/08/2012 **Date Analyzed:** 12/08/2012

Lab Batch ID: 902505 **Sample:** 630973-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<1.00	100	97.7	98	100	97.0	97	1	80-120	20	

Analyst: KEB **Date Prepared:** 12/07/2012 **Date Analyzed:** 12/07/2012

Lab Batch ID: 902402 **Sample:** 630894-1-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	1000	1030	103	998	983	98	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1000	100	998	962	96	4	70-135	35	

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

Form 3 - MS Recoveries

Project Name: Wantz Compressor (RP-2580)

Work Order #: 453597

Lab Batch #: 902505 **Project ID:**

Date Analyzed: 12/08/2012 **Date Prepared:** 12/08/2012 **Analyst:** JOL

QC- Sample ID: 453595-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	672	101	596	0	80-120	X

Lab Batch #: 902505

Date Analyzed: 12/08/2012 **Date Prepared:** 12/08/2012 **Analyst:** JOL

QC- Sample ID: 453597-002 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	172	103	242	68	80-120	X

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Wantz Compressor (RP-2580)

Work Order # : 453597 **Project ID:**

Lab Batch ID: 902402 **QC- Sample ID:** 453592-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/08/2012 **Date Prepared:** 12/07/2012 **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	<16.0	1060	1110	105	1060	1100	104	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<16.0	1060	1130	107	1060	1110	105	2	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: Wantz Compressor (RP-2580)

Work Order #: 453597

Lab Batch #: 902481 **Project ID:**

Date Analyzed: 12/10/2012 09:25 **Date Prepared:** 12/10/2012 **Analyst:** WRU

QC- Sample ID: 453595-001 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	1.52	1.47	3	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: Ben J. Arguijo; Joel Lowry
Project Name: Wantz Compressor (RP-2580)

Company Name: Basin Environmental Service Technologies, LLC
Project #:

Company Address: P.O. Box 301
Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260
PO #: Bill Southern Union Gas Services

Telephone No: (575)396-2378
Fax No: (575) 396-1429
Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature:
e-mail: pm@basinenv.com curt.stanley@sug.com rose.slade@sug.com

(lab use only)
ORDER #: 453598 453597

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: TCLP: TPH: 418.1 8015M	TCLP: TPH: TX 1005 TX 1006	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, Alkalinity)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: 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
	SP #1 @ Surface			12/4/2012	1300		1	X								Soil	X								X			X			X
	SP#1@2'			12/5/12	1330		1	X								Soil	X								X			X			X

Special Instructions:

Laboratory Comments:

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

Temperature Upon Receipt: 0.5 °C

Relinquished by:	Date	Time	Received by:	Date	Time
	12/5/12	13:45	Joel Lowry	12/5/12	13:45
Joel Lowry	12/5/12	14:00		12/5/12	2pm
			Received by ELOT: Shawnee Smith	12/6/12	11:30

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 12/06/2012 11:30:00 AM

Work Order #: 453597

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: _____

Analytical Report 455034

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

Wants Compressor

(RP-2580)

14-JAN-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-JAN-13

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

Reference: XENCO Report No(s): **455034**
Wants 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) 455034. 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. 455034 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 455034

Southern Union Gas Services- Monahans, Monahans, TX

Wants Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP1a @ Surface	S	12-28-12 08:00		455034-001
SP1a @ 2'	S	12-28-12 08:05		455034-002
SP1a @ 4'	S	12-28-12 08:10		455034-003
SP2a @ Surface	S	12-28-12 08:20		455034-004
SP2a @ 2'	S	12-28-12 08:25		455034-005
SP2a @ 4'	S	12-28-12 08:30		455034-006
SP3a @ Surface	S	12-28-12 08:40		455034-007
SP3a @ 2'	S	12-28-12 08:45		455034-008
SP3a @ 4'	S	12-28-12 08:50		455034-009
SP1b @ Surface	S	12-28-12 09:00		455034-010
SP1b @ 2'	S	12-28-12 09:05		455034-011
SP1b @ 4'	S	12-28-12 09:10		455034-012
SP2b @ Surface	S	12-28-12 09:20		455034-013
SP2b @ 2'	S	12-28-12 09:25		455034-014
SP2b @ 4'	S	12-28-12 09:30		455034-015
SP3b @ Surface	S	12-28-12 10:20		455034-016
SP3b @ 2'	S	12-28-12 10:25		455034-017
SP3b @ 4'	S	12-28-12 10:30		455034-018
SP1c @ Surface	S	12-28-12 10:00		455034-019
SP1c @ 2'	S	12-28-12 10:05		455034-020
SP1c @ 4'	S	12-28-12 10:10		455034-021
SP2c @ Surface	S	12-28-12 09:40		455034-022
SP2c @ 2'	S	12-28-12 09:45		455034-023
SP2c @ 4'	S	12-28-12 09:50		455034-024
SP3c @ Surface	S	12-28-12 10:40		455034-025
SP3c @ 2'	S	12-28-12 10:45		455034-026
SP3c @ 4'	S	12-28-12 10:50		455034-027

CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans
Project Name: Wants Compressor

Project ID:	*(RP-2580)*	*Report Date:*	*14-JAN-13*
Work Order Number(s):	*455034*	*Date Received:*	*01/03/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-904465 Inorganic Anions by EPA 300/300.1
E300

Batch 904465, Chloride recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 455034-007, -010, -020, -004, -014, -002, -005, -008, -025, -013, -019, -016, -022, -026, -001, -011, -017, -023.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-03-13 02:11 pm
Report Date: 14-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	455034-001		455034-002		455034-003		455034-004		455034-005		455034-006	
	Field Id:	SP1a @ Surface		SP1a @ 2'		SP1a @ 4'		SP2a @ Surface		SP2a @ 2'		SP2a @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-28-12 08:00		Dec-28-12 08:05		Dec-28-12 08:10		Dec-28-12 08:20		Dec-28-12 08:25		Dec-28-12 08:30	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Jan-10-13 20:39		Jan-10-13 21:30		Jan-09-13 04:38		Jan-10-13 21:48		Jan-10-13 22:05		Jan-09-13 05:31	
	Analyzed:	Jan-10-13 20:39		Jan-10-13 21:30		Jan-09-13 04:38		Jan-10-13 21:48		Jan-10-13 22:05		Jan-09-13 05:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		57.0	1.06	3.22	1.10	15.3	1.22	13.4	1.20	ND	1.19	3.73	1.26
Percent Moisture	***Extracted:***												
	Analyzed:	Jan-04-13 12:25		Jan-04-13 12:25		Jan-04-13 12:25		Jan-04-13 12:25		Jan-04-13 13:05		Jan-04-13 13:05	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.70	1.00	10.6	1.00	20.1	1.00	17.4	1.00	16.2	1.00	21.3	1.00
TPH By SW8015 Mod	***Extracted:***	Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30		Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30	
	Analyzed:	Jan-10-13 17:42		Jan-10-13 18:18		Jan-04-13 00:53		Jan-10-13 18:52		Jan-10-13 19:26		Jan-04-13 01:19	
	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	15.9	ND	16.7	ND	18.7	ND	18.1	ND	17.8	ND	19.0
C12-C28 Diesel Range Hydrocarbons		1020	15.9	ND	16.7	34.8	18.7	705	18.1	ND	17.8	ND	19.0
C28-C35 Oil Range Hydrocarbons		91.7	15.9	ND	16.7	ND	18.7	36.9	18.1	ND	17.8	ND	19.0
Total TPH		1110	15.9	ND	16.7	34.8	18.7	742	18.1	ND	17.8	ND	19.0

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-03-13 02:11 pm
Report Date: 14-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	455034-007		455034-008		455034-009		455034-010		455034-011		455034-012	
	Field Id:	SP3a @ Surface		SP3a @ 2'		SP3a @ 4'		SP1b @ Surface		SP1b @ 2'		SP1b @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-28-12 08:40		Dec-28-12 08:45		Dec-28-12 08:50		Dec-28-12 09:00		Dec-28-12 09:05		Dec-28-12 09:10	
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Jan-10-13 22:22		Jan-10-13 22:39		Jan-09-13 05:48		Jan-10-13 23:30		Jan-10-13 23:47		Jan-09-13 06:05	
	Analyzed:	Jan-10-13 22:22		Jan-10-13 22:39		Jan-09-13 05:48		Jan-10-13 23:30		Jan-10-13 23:47		Jan-09-13 06:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		30.0	1.26	2.68	1.19	29.5	1.08	21.6	1.26	5.03	1.00	3.95	1.10
Percent Moisture	***Extracted:***												
	Analyzed:	Jan-04-13 13:05		Jan-04-13 13:05		Jan-04-13 13:05		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		20.5	1.00	16.4	1.00	9.16	1.00	20.4	1.00	1.77	1.00	9.36	1.00
TPH By SW8015 Mod	***Extracted:***	Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30		Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30	
	Analyzed:	Jan-10-13 19:58		Jan-10-13 21:02		Jan-04-13 01:44		Jan-10-13 21:33		Jan-10-13 22:04		Jan-04-13 02:10	
	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	18.8	ND	17.9	ND	16.5	ND	18.8	ND	15.3	ND	16.5
C12-C28 Diesel Range Hydrocarbons		ND	18.8	ND	17.9	ND	16.5	95.5	18.8	15.5	15.3	ND	16.5
C28-C35 Oil Range Hydrocarbons		ND	18.8	ND	17.9	ND	16.5	ND	18.8	ND	15.3	ND	16.5
Total TPH		ND	18.8	ND	17.9	ND	16.5	95.5	18.8	15.5	15.3	ND	16.5

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-03-13 02:11 pm
Report Date: 14-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	455034-013		455034-014		455034-015		455034-016		455034-017		455034-018	
	Field Id:	SP2b @ Surface		SP2b @ 2'		SP2b @ 4'		SP3b @ Surface		SP3b @ 2'		SP3b @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-28-12 09:20		Dec-28-12 09:25		Dec-28-12 09:30		Dec-28-12 10:20		Dec-28-12 10:25		Dec-28-12 10:30	
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Jan-11-13 00:04		Jan-11-13 00:21		Jan-09-13 06:23		Jan-11-13 00:39		Jan-11-13 01:30		Jan-09-13 07:15	
	Analyzed:	Jan-11-13 00:04		Jan-11-13 00:21		Jan-09-13 06:23		Jan-11-13 00:39		Jan-11-13 01:30		Jan-09-13 07:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	1.27	1.18	1.03	1.41	1.21	ND	1.04	ND	1.02	7.50	1.06
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		21.5	1.00	2.94	1.00	17.5	1.00	5.11	1.00	1.75	1.00	6.17	1.00
TPH By SW8015 Mod	*Extracted:*	Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30		Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30	
	Analyzed:	Jan-10-13 22:35		Jan-10-13 23:06		Jan-04-13 02:35		Jan-10-13 23:37		Jan-11-13 00:07		Jan-04-13 03:00	
	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	19.1	ND	15.4	ND	18.2	ND	15.8	ND	15.2	ND	16.0
C12-C28 Diesel Range Hydrocarbons		138	19.1	ND	15.4	ND	18.2	ND	15.8	ND	15.2	ND	16.0
C28-C35 Oil Range Hydrocarbons		ND	19.1	ND	15.4	ND	18.2	ND	15.8	ND	15.2	ND	16.0
Total TPH		138	19.1	ND	15.4	ND	18.2	ND	15.8	ND	15.2	ND	16.0

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-03-13 02:11 pm
Report Date: 14-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	455034-019		455034-020		455034-021		455034-022		455034-023		455034-024	
	Field Id:	SP1c @ Surface		SP1c @ 2'		SP1c @ 4'		SP2c @ Surface		SP2c @ 2'		SP2c @ 4'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-28-12 10:00		Dec-28-12 10:05		Dec-28-12 10:10		Dec-28-12 09:40		Dec-28-12 09:45		Dec-28-12 09:50	
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Jan-11-13 01:47		Jan-11-13 02:04		Jan-09-13 07:32		Jan-11-13 02:55		Jan-11-13 03:12		Jan-09-13 07:50	
	Analyzed:	Jan-11-13 01:47		Jan-11-13 02:04		Jan-09-13 07:32		Jan-11-13 02:55		Jan-11-13 03:12		Jan-09-13 07:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		6.35	1.21	2.48	1.01	2.67	1.03	10.2	1.04	1.90	1.20	7.66	1.04
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20		Jan-04-13 13:20	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		19.5	1.00	2.22	1.00	3.24	1.00	4.54	1.00	18.1	1.00	4.43	1.00
TPH By SW8015 Mod	*Extracted:*	Jan-10-13 11:00		Jan-10-13 11:00		Jan-03-13 14:30		Jan-10-13 11:00		Jan-14-13 08:00		Jan-03-13 14:30	
	Analyzed:	Jan-11-13 00:37		Jan-11-13 01:08		Jan-04-13 03:26		Jan-11-13 01:38		Jan-14-13 12:21		Jan-04-13 03:51	
	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	15.3	ND	15.5	ND	15.7	ND	18.3	ND	15.7
C12-C28 Diesel Range Hydrocarbons		ND	18.5	ND	15.3	ND	15.5	ND	15.7	ND	18.3	ND	15.7
C28-C35 Oil Range Hydrocarbons		ND	18.5	ND	15.3	ND	15.5	ND	15.7	ND	18.3	ND	15.7
Total TPH		ND	18.5	ND	15.3	ND	15.5	ND	15.7	ND	18.3	ND	15.7

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-03-13 02:11 pm
Report Date: 14-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested											
	Lab Id:	455034-025		455034-026		455034-027					
	Field Id:	SP3c @ Surface		SP3c @ 2'		SP3c @ 4'					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Dec-28-12 10:40		Dec-28-12 10:45		Dec-28-12 10:50					
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Jan-11-13 03:30		Jan-11-13 03:47		Jan-09-13 08:07					
	Analyzed:	Jan-11-13 03:30		Jan-11-13 03:47		Jan-09-13 08:07					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		ND	1.03	ND	1.02	2.07	1.06				
Percent Moisture	***Extracted:***										
	Analyzed:	Jan-04-13 13:40		Jan-04-13 13:40		Jan-04-13 14:55					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		4.75	1.00	1.75	1.00	6.08	1.00				
TPH By SW8015 Mod	***Extracted:***	Jan-14-13 08:00		Jan-14-13 08:00		Jan-03-13 14:30					
	Analyzed:	Jan-14-13 12:50		Jan-14-13 13:20		Jan-04-13 09:39					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15.7	ND	15.2	ND	16.0				
C12-C28 Diesel Range Hydrocarbons		ND	15.7	ND	15.2	21.0	16.0				
C28-C35 Oil Range Hydrocarbons		ND	15.7	ND	15.2	ND	16.0				
Total TPH		ND	15.7	ND	15.2	21.0	16.0				

Nicholas Straccione
Project Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

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

Form 2 - Surrogate Recoveries

Project Name: Wants Compressor

Work Orders : 455034,

Project ID: (RP-2580)

Lab Batch #: 904094 **Sample:** 455034-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 00:53

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.6	99.7	95	70-135	
o-Terphenyl	48.1	49.9	96	70-135	

Lab Batch #: 904094 **Sample:** 455034-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 01:19

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.1	99.7	92	70-135	
o-Terphenyl	47.0	49.9	94	70-135	

Lab Batch #: 904094 **Sample:** 455034-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 01:44

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.0	99.7	91	70-135	
o-Terphenyl	46.3	49.9	93	70-135	

Lab Batch #: 904094 **Sample:** 455034-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 02:10

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.7	99.8	92	70-135	
o-Terphenyl	46.4	49.9	93	70-135	

Lab Batch #: 904094 **Sample:** 455034-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 02:35

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.9	100	92	70-135	
o-Terphenyl	46.1	50.2	92	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: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904094 **Sample:** 455034-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 03:00

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.3	99.9	91	70-135	
o-Terphenyl	45.3	50.0	91	70-135	

Lab Batch #: 904094 **Sample:** 455034-021 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 03:26

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.9	100	93	70-135	
o-Terphenyl	45.9	50.0	92	70-135	

Lab Batch #: 904094 **Sample:** 455034-024 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 03:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.3	99.9	90	70-135	
o-Terphenyl	44.4	50.0	89	70-135	

Lab Batch #: 904094 **Sample:** 455034-027 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 09:39

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.1	100	91	70-135	
o-Terphenyl	45.1	50.0	90	70-135	

Lab Batch #: 904443 **Sample:** 455034-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 17:42

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.9	100	99	70-135	
o-Terphenyl	50.6	50.0	101	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: Wants Compressor

Work Orders : 455034,

Project ID: (RP-2580)

Lab Batch #: 904443 **Sample:** 455034-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 18:18

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.7	99.7	90	70-135	
o-Terphenyl	43.5	49.9	87	70-135	

Lab Batch #: 904443 **Sample:** 455034-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 18:52

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.8	99.7	91	70-135	
o-Terphenyl	48.5	49.9	97	70-135	

Lab Batch #: 904443 **Sample:** 455034-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 19:26

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.8	99.7	92	70-135	
o-Terphenyl	45.1	49.9	90	70-135	

Lab Batch #: 904443 **Sample:** 455034-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 19:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.7	99.5	93	70-135	
o-Terphenyl	44.9	49.8	90	70-135	

Lab Batch #: 904443 **Sample:** 455034-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 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	91.7	99.9	92	70-135	
o-Terphenyl	44.4	50.0	89	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: Wants Compressor

Work Orders : 455034,

Project ID: (RP-2580)

Lab Batch #: 904443 **Sample:** 455034-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 21:33

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.0	99.8	92	70-135	
o-Terphenyl	45.6	49.9	91	70-135	

Lab Batch #: 904443 **Sample:** 455034-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 22:04

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.1	100	98	70-135	
o-Terphenyl	45.2	50.1	90	70-135	

Lab Batch #: 904443 **Sample:** 455034-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 22:35

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	47.3	50.0	95	70-135	

Lab Batch #: 904443 **Sample:** 455034-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 23:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.7	105	70-135	
o-Terphenyl	50.4	49.9	101	70-135	

Lab Batch #: 904443 **Sample:** 455034-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 23:37

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.9	99.8	99	70-135	
o-Terphenyl	47.9	49.9	96	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: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904443 **Sample:** 455034-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/11/13 00:07

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	52.1	49.9	104	70-135	

Lab Batch #: 904443 **Sample:** 455034-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/11/13 00:37

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.2	99.5	92	70-135	
o-Terphenyl	44.8	49.8	90	70-135	

Lab Batch #: 904443 **Sample:** 455034-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/11/13 01:08

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.8	99.7	99	70-135	
o-Terphenyl	46.5	49.9	93	70-135	

Lab Batch #: 904443 **Sample:** 455034-022 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/11/13 01:38

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.9	105	70-135	
o-Terphenyl	50.5	50.0	101	70-135	

Lab Batch #: 904602 **Sample:** 455034-023 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/14/13 12:21

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.2	100	93	70-135	
o-Terphenyl	41.9	50.1	84	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: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904602 **Sample:** 455034-025 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/14/13 12:50

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.2	100	96	70-135	
o-Terphenyl	43.4	50.0	87	70-135	

Lab Batch #: 904602 **Sample:** 455034-026 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/14/13 13:20

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.5	99.7	94	70-135	
o-Terphenyl	43.5	49.9	87	70-135	

Lab Batch #: 904094 **Sample:** 631998-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/03/13 23:37

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.6	99.9	91	70-135	
o-Terphenyl	43.9	50.0	88	70-135	

Lab Batch #: 904443 **Sample:** 632220-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/10/13 12:25

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.5	99.8	90	70-135	
o-Terphenyl	41.9	49.9	84	70-135	

Lab Batch #: 904602 **Sample:** 632327-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/14/13 11:45

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.6	99.6	95	70-135	
o-Terphenyl	43.8	49.8	88	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904094 **Sample:** 631998-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/03/13 22:46

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.7	100	100	70-135	
o-Terphenyl	53.0	50.1	106	70-135	

Lab Batch #: 904443 **Sample:** 632220-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/10/13 11:14

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.0	100	96	70-135	
o-Terphenyl	57.3	50.1	114	70-135	

Lab Batch #: 904602 **Sample:** 632327-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/14/13 10:43

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.7	99.9	99	70-135	
o-Terphenyl	49.6	50.0	99	70-135	

Lab Batch #: 904094 **Sample:** 631998-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/03/13 23:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.2	100	96	70-135	
o-Terphenyl	51.9	50.1	104	70-135	

Lab Batch #: 904443 **Sample:** 632220-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/10/13 11:49

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.0	100	94	70-135	
o-Terphenyl	55.1	50.0	110	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: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904602 **Sample:** 632327-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/14/13 11:15

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.4	100	96	70-135	
o-Terphenyl	49.4	50.1	99	70-135	

Lab Batch #: 904094 **Sample:** 455034-012 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 10:03

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.3	100	98	70-135	
o-Terphenyl	56.1	50.1	112	70-135	

Lab Batch #: 904443 **Sample:** 455346-007 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 16:25

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.7	100	97	70-135	
o-Terphenyl	53.9	50.1	108	70-135	

Lab Batch #: 904602 **Sample:** 455034-026 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/14/13 15:09

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	54.0	50.1	108	70-135	

Lab Batch #: 904094 **Sample:** 455034-012 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/04/13 10:28

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.7	99.9	91	70-135	
o-Terphenyl	52.8	50.0	106	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: Wants Compressor

Work Orders : 455034, **Project ID:** (RP-2580)

Lab Batch #: 904443 **Sample:** 455346-007 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/10/13 17:04

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.9	99.9	90	70-135	
o-Terphenyl	54.0	50.0	108	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: Wants Compressor

Work Order #: 455034 **Project ID:** (RP-2580)

Lab Batch #: 904465 **Sample:** 632243-1-BKS **Matrix:** Solid

Date Analyzed: 01/10/2013 **Date Prepared:** 01/10/2013 **Analyst:** RKO

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

Inorganic Anions by EPA 300/300.1 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	<1.50	150	143	95	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: Wants Compressor

Work Order #: 455034 **Project ID:** (RP-2580)

Analyst: DAQ **Date Prepared:** 01/09/2013 **Date Analyzed:** 01/09/2013

Lab Batch ID: 904302 **Sample:** 632137-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<1.50	150	157	105	150	157	105	0	80-120	20	

Analyst: KEB **Date Prepared:** 01/03/2013 **Date Analyzed:** 01/03/2013

Lab Batch ID: 904094 **Sample:** 631998-1-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	1000	1040	104	1000	986	99	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1020	102	1000	965	97	6	70-135	35	

Analyst: KEB **Date Prepared:** 01/10/2013 **Date Analyzed:** 01/10/2013

Lab Batch ID: 904443 **Sample:** 632220-1-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	1000	963	96	1000	946	95	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	936	94	1000	971	97	4	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

BS / BSD Recoveries

Project Name: Wants Compressor

Work Order #: 455034
Analyst: KEB
Lab Batch ID: 904602
Sample: 632327-1-BKS
Units: mg/kg

Date Prepared: 01/14/2013
Batch #: 1

Project ID: (RP-2580)
Date Analyzed: 01/14/2013
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	999	907	91	1000	977	98	7	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	999	902	90	1000	972	97	7	70-135	35	

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

Form 3 - MS Recoveries

Project Name: Wants Compressor

Work Order #: 455034
Lab Batch #: 904602
Project ID: (RP-2580)
Date Analyzed: 01/14/2013
Date Prepared: 01/14/2013
Analyst: KEB
QC- Sample ID: 455034-026 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.3	1020	1120	110	70-135	
C12-C28 Diesel Range Hydrocarbons	<15.3	1020	1080	106	70-135	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Wants Compressor

Work Order # : 455034 **Project ID:** (RP-2580)

Lab Batch ID: 904302 **QC- Sample ID:** 455034-003 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 01/09/2013 **Date Prepared:** 01/09/2013 **Analyst:** DAQ
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	15.3	188	208	103	188	209	103	0	80-120	20	

Lab Batch ID: 904465 **QC- Sample ID:** 455034-001 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 01/10/2013 **Date Prepared:** 01/10/2013 **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	57.0	106	147	85	106	141	79	4	80-120	20	X

Lab Batch ID: 904465 **QC- Sample ID:** 455034-016 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 01/11/2013 **Date Prepared:** 01/11/2013 **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	<1.04	104	94.8	91	104	94.4	91	0	80-120	20	

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

Form 3 - MS / MSD Recoveries

Project Name: Wants Compressor

Work Order # : 455034 **Project ID:** (RP-2580)

Lab Batch ID: 904094 **QC- Sample ID:** 455034-012 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/04/2013 **Date Prepared:** 01/03/2013 **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	<16.6	1100	1120	102	1100	1070	97	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<16.6	1100	1130	103	1100	1060	96	6	70-135	35	

Lab Batch ID: 904443 **QC- Sample ID:** 455346-007 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/10/2013 **Date Prepared:** 01/10/2013 **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	<18.1	1210	1180	98	1210	1120	93	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	23.4	1210	1190	96	1210	1120	91	6	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: Wants Compressor

Work Order #: 455034

Lab Batch #: 904156 **Project ID:** (RP-2580)

Date Analyzed: 01/04/2013 12:25 **Date Prepared:** 01/04/2013 **Analyst:** WRU

QC- Sample ID: 455062-001 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	5.71	5.56	3	20	

Lab Batch #: 904163

Date Analyzed: 01/04/2013 13:20 **Date Prepared:** 01/04/2013 **Analyst:** WRU

QC- Sample ID: 455034-010 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	20.4	21.0	3	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
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Project Manager: Joel Lowry
Company Name: Basin Environmental Service Technologies, LLC
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City/State/Zip: Lovington, NM 88260
Telephone No: (575)396-2378 Fax No: (575) 396-1429
Sampler Signature: Joel Lowry

Project Name: Wants Compressor
Project #: (RP-2580)
Project Loc: Lea County, NM
PO #: Bill Southern Union Gas
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: rose.slade@sug.com, cyndi.inskeep@sug.com, pm@basinenv.com

(lab use only) ORDER #: 455034

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW = Drinking Water SL = Sludge	GW = Groundwater S = Soil/Soil	NP = Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	Hold	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	SP1a @ Surface			12/28/2012	800		1													X											X		X		X
02	SP1a @ 2'			12/28/2012	805															X											X		X		
03	SP1a @ 4'			12/28/2012	810															X											X				
04	SP2a @ Surface			12/28/2012	820															X											X		X		
05	SP2a @ 2'			12/28/2012	825															X											X		X		
06	SP2a @ 4'			12/28/2012	830															X											X				
07	SP3a @ Surface			12/28/2012	840															X											X		X		
08	SP3a @ 2'			12/28/2012	845															X											X		X		
09	SP3a @ 4'			12/28/2012	850															X											X				
10	SP1b @ Surface			12/28/2012	900		1													X											X		X		

Special Instructions:
Run 4' Samples Hold for further analysis, Send CT TPH Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	1/2/13	08:45	[illegible]	1/2/13	08:45
[illegible]	1/2/13	08:45	[illegible]	1/2/13	8:5[illegible]
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Shawnee Smith	1/3/13	14:11

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: -0.4 3.0 °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

Project Name: Wants Compressor
Project #: (RP-2580)
Project Loc: Lea County, NM
PO #: Bill Southern Union Gas
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: rose.slade@sug.com, cyndi.inskeep@sug.com, pm@basinenv.com

(lab use only) ORDER #: 455034

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/Sol	NP=Non-Potable Specify Othe	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TOTAL: X)	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	Hold	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
11	SP1b @ 2'			12/28/2012	905		1												X											X		X		
12	SP1b @ 4'			12/28/2012	910														X											X				
13	SP2b @ Surface			12/28/2012	920														X											X		X		
14	SP2b @ 2'			12/28/2012	925														X											X		X		
15	SP2b @ 4'			12/28/2012	930														X											X				
16	SP3b @ Surface			12/28/2012	1020														X											X		X		
17	SP3b @ 2'			12/28/2012	1025														X											X		X		
18	SP3b @ 4'			12/28/2012	1030														X											X				
19	SP1c @ Surface			12/28/2012	1000														X											X		X		
20	SP1c @ 2'			12/28/2012	1005														X											X		X		

Special Instructions:
Run 4' Sample Hold for further analysis, send TPH, Cl- Results

	Date	Time		Date	Time
Relinquished by: Joel Lowry	1/2/13	06:45	Received by: Mark Ramos	1/2/13	06:45
Relinquished by: Mark Ramos	1/2/12	08:45	Received by: K Battle	1/2/13	850
Relinquished by:	Date	Time	Received by ELOT: Shawn Smith	1/3/13	14:11

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: -0.4 °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: Wantz Compressor

Company Name: Basin Environmental Service Technologies, LLC
Project #: (RP-2580)

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

(lab use only) ORDER #: 455034

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW = Drinking Water SL = Sludge; GW = Groundwater S = Soil/Soil; NP = Non-Potable Specify Oth	Analyze For: TCLP: TPH: 418.1 8015M TX 1005	TCLP: TPH: 8015B TX 1006	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, Alkalinity)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260 (X)	RCI	N.O.R.M.	CHLORIDES	Total Dissolved Solids	Hold	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
21	SP1c @ 4'			12/28/2012	1010		1										X											X				
22	SP2c @ Surface			12/28/2012	940												X											X		X		
23	SP2c @ 2'			12/28/2012	945												X											X		X		
24	SP2c @ 4'			12/28/2012	950												X											X				
26	SP3c @ Surface			12/28/2012	1040												X											X		X		
26	SP3c @ 2'			12/28/2012	1045												X											X		X		
27	SP3c @ 4'			12/28/2012	1050												X											X				

Special Instructions:
Run 4' Samples/Hold for further analysis, Send Cl⁻, TPH Results

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	01/2/13	06:45		1/2/13	06:45
Relinquished by:	Date	Time	Received by:	Date	Time
	1/2/13	08:45		1/2/13	8:50
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Shannel Smith	1/3/13	14:11

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: -0.4 °C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 01/03/2013 02:11:00 PM

Work Order #: 455034

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)?	3
#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 456251

for

Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

Wantz Compressor

(RP-2580)

30-JAN-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)

30-JAN-13

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

Reference: XENCO Report No(s): **456251**
Wantz 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) 456251. 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. 456251 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 456251

Southern Union Gas Services- Monahans, Monahans, TX

Wantz Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S. Floor	S	01-21-13 11:30		456251-001
N. Floor	S	01-21-13 12:00		456251-002
Loadline	S	01-21-13 12:30		456251-003

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-905436 BTEX by EPA 8021B
SW8021BM

Batch 905436, Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike.
Samples affected are: 456251-002, -001, -003.
The Laboratory Control Sample for m,p-Xylenes , Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-905486 Inorganic Anions by EPA 300/300.1
E300

Batch 905486, Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 456251-002, -001, -003.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analysis Summary 456251

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wantz Compressor

Project Id: (RP-2580)
Contact: Joel Lowry
Project Location: Lea County, NM

Date Received in Lab: Wed Jan-23-13 03:43 pm
Report Date: 30-JAN-13
Project Manager: Nicholas Straccione

Analysis Requested											
	Lab Id:	456251-001		456251-002		456251-003					
	Field Id:	S. Floor		N. Floor		Loadline					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Jan-21-13 11:30		Jan-21-13 12:00		Jan-21-13 12:30					
BTEX by EPA 8021B	*Extracted:*	Jan-24-13 09:20		Jan-24-13 09:20		Jan-24-13 09:20					
	Analyzed:	Jan-24-13 12:08		Jan-24-13 12:58		Jan-24-13 12:41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00105	ND	0.00119	ND	0.00107				
Toluene		ND	0.00210	ND	0.00237	ND	0.00214				
Ethylbenzene		ND	0.00105	ND	0.00119	ND	0.00107				
m,p-Xylenes		ND	0.00210	ND	0.00237	ND	0.00214				
o-Xylene		ND	0.00105	ND	0.00119	ND	0.00107				
Total Xylenes		ND	0.00105	ND	0.00119	ND	0.00107				
Total BTEX		ND	0.00105	ND	0.00119	ND	0.00107				
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Jan-25-13 00:47		Jan-25-13 01:04		Jan-25-13 01:22					
	Analyzed:	Jan-25-13 00:47		Jan-25-13 01:04		Jan-25-13 01:22					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		30.3	1.05	8.70	1.18	8.87	1.07				
Percent Moisture	*Extracted:*										
	Analyzed:	Jan-28-13 17:30		Jan-28-13 17:30		Jan-28-13 17:30					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		5.16	1.00	15.6	1.00	6.37	1.00				
TPH By SW8015 Mod	*Extracted:*	Jan-28-13 08:35		Jan-28-13 08:35		Jan-28-13 08:35					
	Analyzed:	Jan-28-13 18:12		Jan-28-13 18:39		Jan-28-13 19:05					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15.8	ND	17.8	ND	16.0				
C12-C28 Diesel Range Hydrocarbons		ND	15.8	ND	17.8	ND	16.0				
C28-C35 Oil Range Hydrocarbons		ND	15.8	ND	17.8	ND	16.0				
Total TPH		ND	15.8	ND	17.8	ND	16.0				

Nicholas Straccione
Project Manager

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

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

Form 2 - Surrogate Recoveries

Project Name: Wantz Compressor

Work Orders : 456251,

Project ID: (RP-2580)

Lab Batch #: 905436 **Sample:** 456251-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/24/13 12:08

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0317	0.0300	106	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 905436 **Sample:** 456251-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/24/13 12:41

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

Lab Batch #: 905436 **Sample:** 456251-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/24/13 12:58

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0312	0.0300	104	80-120	

Lab Batch #: 905671 **Sample:** 456251-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/28/13 18:12

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	99.8	101	70-135	
o-Terphenyl	54.3	49.9	109	70-135	

Lab Batch #: 905671 **Sample:** 456251-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/28/13 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	102	99.9	102	70-135	
o-Terphenyl	55.5	50.0	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: Wantz Compressor

Work Orders : 456251,

Project ID: (RP-2580)

Lab Batch #: 905671 **Sample:** 456251-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/28/13 19:05

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

Lab Batch #: 905436 **Sample:** 632874-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/24/13 11:18

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 905671 **Sample:** 632981-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/28/13 11:24

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	55.4	50.1	111	70-135	

Lab Batch #: 905436 **Sample:** 632874-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/24/13 11:01

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0332	0.0300	111	80-120	

Lab Batch #: 905671 **Sample:** 632981-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/28/13 10:31

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.8	100	97	70-135	
o-Terphenyl	56.7	50.1	113	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: Wantz Compressor

Work Orders : 456251, **Project ID:** (RP-2580)

Lab Batch #: 905436 **Sample:** 632874-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/24/13 10:27

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 905671 **Sample:** 632981-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 01/28/13 10:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.1	100	94	70-135	
o-Terphenyl	56.8	50.1	113	70-135	

Lab Batch #: 905436 **Sample:** 456220-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/24/13 16:35

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	80-120	
4-Bromofluorobenzene	0.0345	0.0300	115	80-120	

Lab Batch #: 905671 **Sample:** 456251-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/28/13 21:15

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	61.1	50.1	122	70-135	

Lab Batch #: 905436 **Sample:** 456220-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/24/13 16:52

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0345	0.0300	115	80-120	
4-Bromofluorobenzene	0.0347	0.0300	116	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: Wantz Compressor

Work Orders : 456251, **Project ID:** (RP-2580)

Lab Batch #: 905671 **Sample:** 456251-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 01/28/13 21:42

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	99.6	103	70-135	
o-Terphenyl	58.1	49.8	117	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: Wantz Compressor

Work Order #: 456251 **Project ID:** (RP-2580)

Lab Batch #: 905486 **Sample:** 632902-1-BKS **Matrix:** Solid

Date Analyzed: 01/24/2013 **Date Prepared:** 01/24/2013 **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	107	107	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: Wantz Compressor

Work Order #: 456251 **Project ID:** (RP-2580)

Analyst: KEB **Date Prepared:** 01/24/2013 **Date Analyzed:** 01/24/2013

Lab Batch ID: 905436 **Sample:** 632874-1-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	<0.00100	0.100	0.0932	93	0.100	0.0822	82	13	70-130	35	
Toluene	<0.00200	0.100	0.0900	90	0.100	0.0808	81	11	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0955	96	0.100	0.0797	80	18	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.183	92	0.200	0.155	78	17	70-135	35	
o-Xylene	<0.00100	0.100	0.0963	96	0.100	0.0783	78	21	71-133	35	

Analyst: KEB **Date Prepared:** 01/28/2013 **Date Analyzed:** 01/28/2013

Lab Batch ID: 905671 **Sample:** 632981-1-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	1000	956	96	1000	945	95	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1030	103	1000	1020	102	1	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: Wantz Compressor

Work Order # : 456251 **Project ID:** (RP-2580)

Lab Batch ID: 905436 **QC- Sample ID:** 456220-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/24/2013 **Date Prepared:** 01/24/2013 **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	0.0764	72	0.106	0.0872	82	13	70-130	35	
Toluene	<0.00211	0.106	0.0743	70	0.106	0.0826	78	11	70-130	35	
Ethylbenzene	<0.00106	0.106	0.0692	65	0.106	0.0831	78	18	71-129	35	X
m,p-Xylenes	<0.00211	0.211	0.131	62	0.211	0.158	75	19	70-135	35	X
o-Xylene	<0.00106	0.106	0.0698	66	0.106	0.0776	73	11	71-133	35	X

Lab Batch ID: 905486 **QC- Sample ID:** 456165-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/24/2013 **Date Prepared:** 01/24/2013 **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	253	103	317	62	103	317	62	0	80-120	20	X

Lab Batch ID: 905486 **QC- Sample ID:** 456252-005 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/25/2013 **Date Prepared:** 01/25/2013 **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	107	113	210	91	113	211	92	0	80-120	20	

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

Form 3 - MS / MSD Recoveries

Project Name: Wantz Compressor

Work Order # : 456251 **Project ID:** (RP-2580)

Lab Batch ID: 905671 **QC- Sample ID:** 456251-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/28/2013 **Date Prepared:** 01/28/2013 **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	<15.8	1060	1110	105	1050	1090	104	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.8	1060	1200	113	1050	1180	112	2	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: Wantz Compressor

Work Order #: 456251

Lab Batch #: 905649 **Project ID:** (RP-2580)

Date Analyzed: 01/28/2013 17:30 **Date Prepared:** 01/28/2013 **Analyst:** WRU

QC- Sample ID: 456340-001 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	5.83	5.95	2	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

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

Project Name: Wantz Compressor

Project #: (RP-2580)

Project Loc: Lea County, NM

PO #: Bill Southern Union Gas

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

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

(lab use only) ORDER #: 456251

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW = Drinking Water SL = Sludge	GW = Groundwater S = Soil/Soil	NP = Non-Potable Specify Other	Analyze For: TCLP:	TOTAL:	TPH: 418.1 8015M	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
	S. Floor			1/21/2013	1130		1	X													X								X			X				X
	N. Floor			1/21/2013	1200		1	X													X								X			X				X
	Loadline			1/21/2013	1230		1	X													X								X			X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Lowry	1/22/13	7:10	Mark Rea	1.22.13	8:40
Mark Rea	1.22.13	15:00	Amber Williams	1-22-13	2 55
			Received by ELOT: Shawnee Smith	1/23/13	15:45

Laboratory Comments:

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

Temperature Upon Receipt: 2.7 °C

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 01/23/2013 03:43:00 PM

Work Order #: 456251

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)?	0
#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: _____

Appendix C

Disposal Manifest

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

TICKET No. 233263

LEASE OPERATOR/SHIPPER/COMPANY: SIIG
LEASE NAME: Wantz Comp. Station
TRANSPORTER COMPANY: Basin Enviro. | TIME 3:11 AM/PM
DATE: 1-15-2013 VEHICLE NO: 8 | GENERATOR COMPANY MAN'S NAME: Kise Slade
CHARGE TO: SIIG | RIG NAME AND NUMBER

TYPE OF MATERIAL

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

Description: LID

RRC or API # | C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

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

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

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

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: D. Sta Cruz (SIGNATURE)

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

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

TICKET No. 233229

LEASE OPERATOR/SHIPPER/COMPANY: SIIG
LEASE NAME: Wantz Compressor Station
TRANSPORTER COMPANY: Basin Enviro. | TIME 1:14 AM/PM
DATE: 1-15-2013 VEHICLE NO: 8 | GENERATOR COMPANY MAN'S NAME: Kise Slade
CHARGE TO: SIIG | RIG NAME AND NUMBER

TYPE OF MATERIAL

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

Description: LID

RRC or API # | C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

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

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

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DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: D. Sta Cruz (SIGNATURE)

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

Re-order from: TOTALLY SHARP ADVERTISING • 432-586-5401 • www.PromoSupermarket.com

SUNDANCE SERVICES, Inc.

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

TICKET No. 233442

LEASE OPERATOR/SHIPPER/COMPANY: SIIG

LEASE NAME: Unit 72 Pumping Station

TRANSPORTER COMPANY: Basin Eunice | TIME 1:30 (AM/PM)

DATE: 1-21-2013 VEHICLE NO: 18 | GENERATOR COMPANY MAN'S NAME: Ken Slade

CHARGE TO: SIIG | RIG NAME AND NUMBER

TYPE OF MATERIAL

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

Description: C/D

RRC or API # | C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

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

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

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

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

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

SUNDANCE SERVICES, Inc.

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

TICKET No. 233426

LEASE OPERATOR/SHIPPER/COMPANY: SIIG

LEASE NAME: Unit 72 Pumping Station

TRANSPORTER COMPANY: Basin Eunice | TIME 7:31 (AM/PM)

DATE: 1-21-2013 VEHICLE NO: 18 | GENERATOR COMPANY MAN'S NAME: Ken Slade

CHARGE TO: SIIG | RIG NAME AND NUMBER

TYPE OF MATERIAL

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

Description: C/D

RRC or API # | C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

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

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

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

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

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

Appendix D

Release Notification and Corrective Action
(Form C-141)

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

RECEIVED
JUL 14
HOBBSOCD

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	Contact Rose Slade
Address P.O. Box 1226 Jal, New Mexico 88252	Telephone No. 432-940-5147
Facility Name Wantz Compressor Station	Facility Type Natural Gas Compressor Station

Surface Owner Mary Wantz	Mineral Owner	~~Lease~~ API No. 30-025-38822

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	21	21S	37E					Lea

Latitude 32.460176 **Longitude** 103.175548

WTR 80

NATURE OF RELEASE

Type of Release Crude Oil and Produced Water	Volume of Release 10 BBLS	Volume Recovered 2 BBLS
Source of Release Truck Release	Date and Hour of Occurrence July 7, 2010, 1650 hrs	Date and Hour of Discovery July 7, 2010, 1650 hrs
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WTR 80'

Describe Cause of Problem and Remedial Action Taken.*
A hose on a 3rd party transport truck failed during loading operations, releasing a mixture of crude oil and produced water. A vacuum truck was used to recover free fluids

Describe Area Affected and Cleanup Action Taken.*
An area measuring approximately 1,500 square feet was affected by the release. Clean sorb was applied to the surface stain to further stabilize the release and absorbent booms were installed in low areas along the fenceline to minimize the potential for travel outside the station during a rain event. The release will be remediated according to NMOCD regulatory guidelines.

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

Signature: Rose L Slade	OIL CONSERVATION DIVISION
Printed Name: Rose L. Slade	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: EHS Compliance Specialist	Approval Date: 7.13.10 Expiration Date: 9.13.10
E-mail Address: rose.slade@sug.com	Conditions of Approval: SUBMIT FINAL C-141 w/ DOCS BY Attached ☐ IRP# 10-7-2580
Date: 7/9/2010 Phone: 432-940-5147	

* Attach Additional Sheets If Necessary

n LWJ 1019RP9623
FPP PLWJ 1019430032