Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 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: War	ntz Compressor Station (RP-2580)	Facility Type	Natur	ral 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
Р	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?	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.
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 yd³ 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: Printed Name: Rose	pe & Dudi	OIL CONS	ERVATION Environmente	DIVISION SeRemo I Specialist	
Title: EHS Complian	nce Specialist	Approval Date: 3/1/13	Expiration I	Date: -	
E-mail Address: rose	słade@sug.com	Conditions of Approval:			
Date:	Phone: 432-940-5147(cell)			1RP-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

చి 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

HOBBS OCD NER 01 2013

RECEIVED

Project Manager

i,

JOER WILL SOND CORRECTED FIG - REPRIVO THE FINAL (-14) 3/1/13 MTG

TABLE OF CONTENTS

1.0 INTRODUCTION & BACKGROUND INFORMATION	1
2.0 NMOCD SITE CLASSIFICATION	1
3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES	2
4.0 QA/QC PROCEDURES	3
4.1 Soil Sampling	3
4.2 Decontamination of Equipment	3
4.3 Laboratory Protocol	3
5.0 SITE CLOSURE REQUEST	3
6.0 LIMITATIONS	4
7.0 DISTRIBUTION	5

FIGURES

Figure 1 – Site Location Map Figure 2 – Site & Sample Location Map

TABLES

Table 1 - Concentrations of Benzene, BTEX, TPH & Chloride in Soil

APPENDICES

Appendix A – Photographs

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 ft²) 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 concentratinos. 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 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 yd³) 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





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 C₅-C₂8 (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	-	-	-	-	- 1	<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

d.

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 Jul Ct

Nicholas Straccione Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



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 XENCO. Laboratoriest

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

Certificate of Analysis Summary 453597

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wantz Compressor (RP-2580)



Date Received in Lab: Thu Dec-06-12 11:30 am Report Date: 12-DEC-12

Project Manager: Nicholas Straccione

	Lab Id:	453597-0	001	453597-0	02			
Analysis Requested	Field Id:	SP#1 @ Su	irface	SP#1 @	2'			
Analysis Requested Inorganic Anions by EPA 300/300.1 SUB: TX104704215	Depth:							
	Matrix:	SOIL		SOIL				
	Sampled:	Dec-04-12	13:00	Dec-05-12 1	3:30			
Inorganic Anions by EPA 300/300.1	Extracted:	Dec-08-12	18:17	Dec-08-12 1	8:34			
SUB: TX104704215	Analyzed:	Dec-08-12	18:17	Dec-08-12 1	8:34			
	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 0	9:25			
	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 0	08:30			
	Analyzed:	Dec-07-12	20:11	Dec-07-12 2	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			

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

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

Nul Ctr

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 quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- MDL Method Detection Limit SDL Sample Detection Limit
- PQL Practical Quantitation Limit MQL Method Quantitation Limit
- **DL** Method Detection Limit
- NC Non-Calculable
- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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

Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

Page 6 of 14

4143 Greenbriar Dr, Stafford, TX 77477
9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone

(281) 240-4200

(214) 902 0300

(210) 509-3334

(813) 620-2000

(432) 563-1800

(770) 449-8800

(602) 437-0330

LOD Limit of Detection

LOQ Limit of Quantitation

Fax

(281) 240-4280

(214) 351-9139

(210) 509-3335

(813) 620-2033

(432) 563-1713

(770) 449-5477



Form 2 - Surrogate Recoveries

Project Name: Wantz Compressor (RP-2580)

Vork 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	SUI	RROGATE RE	COVERY	STUDY	
ТРН Е	By SW8015 Mod Analytes	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	n: ¹ Matrix:	Soil		
Units: mg/kg	Date Analyzed: 12/07/12 20:49	SUI	RROGATE RE	COVERY S	STUDY	
ТРН Е	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
I-Chlorooctane		77.5	99.6	78	70-135	
o-Terphenyl		39.5	49.8	79	70-135	
Lab Batch #: 902402	Sample: 630894-1-BLK / B	LK Batcł	n: 1 Matrix:	Solid	• • • • • • •	
Units: mg/kg	Date Analyzed: 12/07/12 12:35	SU	RROGATE RE	COVERY	STUDY	
ТРН Е	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	-	92.8	100	93	70-135	<u> </u>
o-Terphenyl		44.9	50.0	90	70-135	
Lab Batch #: 902402	Sample: 630894-1-BKS / B	KS Batcl	n: ¹ Matrix:	Solid	,	
Units: mg/kg	Date Analyzed: 12/07/12 10:51	SU	RROGATE RE	COVERY	STUDY	
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R (D)	Control Limits %R	Flags
1 Chloroostana	Analytes	01.1	100	01	70.125	
o-Terphenyl		52.7	50.1	105	70-135	
Lab Batch #: 902402	Sample: 630894-1-BSD / B	SD Batel	h 1 Matrix	Solid		
Units: mg/kg	Date Analyzed: 12/07/12 12:04	SUI SUI	RROGATE RI	ECOVERY	STUDY	
TPH H	By SW8015 Mod	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	3		Project II):		
Lab Batch #: 902402	Sample: 453592-001 S / M	S Bate	h: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 12/08/12 00:59	SU	RROGATE RI	ECOVERY	STUDY	
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		101	100	101	70-135	
o-Terphenyl		54.1	50.1	108	70-135	
Lab Batch #: 902402	Sample: 453592-001 SD / 1	MSD Bate	h: 1 Matrix	Soil		
Units: mg/kg	Date Analyzed: 12/08/12 01:33	SU	RROGATE RE	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analytes	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.





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: S	olid			
Units: ^{mg/kg}		BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag	
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]					
Chloride	<1.00	100	97.7	98	100	97.0	97	1	80-120	20		
	Date Prepared: 12/07/2012 Date Analyzed: 12/07/2012											
Analyst: KEB	Da	ite Prepare	ed: 12/07/201	2			Date Ar.	alyzed: 1	2/07/2012			
Analyst: KEB Lab Batch ID: 902402 Sample: 630894-1	∙BKS	ite Prepare Batch	ed: 12/07/201 #: 1	2			Date Ar	ialyzed: 1 Matrix: S	2/07/2012 olid			
Analyst: KEB Lab Batch ID: 902402 Sample: 630894-1 Units: ^{mg/kg}	D: -BKS	ite Prepare Batch BLANF	ed: 12/07/201	2 SPIKE / B	LANK S	PIKE DUPI	Date Ar	nalyzed: 1 Matrix: S ECOVE	2/07/2012 olid RY STUD	Y		
Analyst: KEB Lab Batch ID: 902402 Sample: 630894-1 Units: mg/kg TPH By SW8015 Mod Analytes	D2 -BKS Blank Sample Result [A]	ate Preparc Batch BLANH Spike Added [B]	ed: 12/07/201 #: 1 K /BLANK S Blank Spike Result [C]	2 SPIKE / E Blank Spike %R [D]	BLANK S Spike Added [E]	PIKE DUPI Blank Spike Duplicate Result [F]	Date Ar JCATE F Blk. Spk Dup. %R [G]	nalyzed: 1 Matrix: S RECOVE	2/07/2012 Solid CRY STUD Control Limits %R	Y Control Limits %RPD	Flag	
Analyst: KEB Lab Batch ID: 902402 Sample: 630894-1 Units: mg/kg TPH By SW8015 Mod Analytes C6-C12 Gasoline Range Hydrocarbons	-BKS Blank Sample Result [A] <15.0	ate Preparc Batch BLANH Spike Added [B] 1000	ed: 12/07/201 #: 1 K/BLANK Blank Spike Result [C] 1030	2 SPIKE / F Blank Spike %R [D] 103	BLANK S Spike Added [E] 998	PIKE DUPI Blank Spike Duplicate Result [F] 983	Date Ar JCATE J Blk. Spk Dup. %R [G] 98	nalyzed: 1 Matrix: S RECOVE RPD %	2/07/2012 solid CRY STUD Control Limits %R 70-135	Y Control Limits %RPD 35	Flag	

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				Pro	oject 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	Γ	MATH	RIX / MA	TRIX SPIKE	RECO	VERY STU	STUDY		
Inorganic Anions by EPA 300		Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag		
Analytes		[A]	[B]						
Chloride		672	101	596	0	80-120	x		
Lab Batch #: 902505									
Date Analyzed: 12/08/2012	Date Pr	epared: 12/0	8/2012	А	analyst: J	OL			
QC- Sample ID: 453597-002 S]	Batch #: 1		ſ	Matrix: S	loil			
Reporting Units: mg/kg	ſ	MATH	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY		
Inorganic Anions by EPA 300 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)/BRelative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit





Project Name: Wantz Compressor (RP-2580)

Work Order #: 453597		Project ID:										
Lab Batch ID: 902402	QC- Sample ID:	453592	-001 S	Ba	tch #:	1 Matrix	: Soil					
Date Analyzed: 12/08/2012	Date Prepared:	12/07/2	012	An	alyst:	KEB						
Reporting Units: mg/kg		MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag	
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD		
C6-C12 Gasoline Range Hydrocarbons	<16.0	1060	1110	105	1060	1100	104	l	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



Sample Duplicate Recovery



Project Name: Wantz Compressor (RP-2580)

Work Order #: 453597

Lab Batch #: 902481				Project I	D:			
Date Analyzed: 12/10/2012 09:25	Date Prepared:	12/10/2012						
QC- Sample ID: 453595-001 D	Batch #:	Batch #: 1 Matrix: Soil						
Reporting Units: %	S	AMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY		
Percent Moisture	Par	ent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag		
Analyte			[B]					
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

•			· .				۰.	1	l2600 Odess	West a, Tex	-20 E as 79	ast 765			:			•	Phon Fax	ne: 4	132-5 132-5	53-18 63-17	00 13		: :	•
	Project Manager:	Ben J. Arguijo; Joel Lo	wry					•	. ·. ·		• ••	: `	•	F	rojec	t Nan	ne: W	antz	z Co	mp	ress	or (Ri	P-25	80)		. :
· · ·	Company Name	Basin Environmental Se	ervice 1	echnol	logies, LLC			. • •	•				· · · · ·		Pi	ojeci	#:			. :						
;	Company Address:	P.O. Box 301			· · · · · · · · · · · · · · · · · · ·		:	· ·				. :			Proj	ect Lo	oc: Le	a Co	unty	, NN		11.				
÷.	City/State/Zip	Lovington NM 99260	· · · · ·	· :						· · · ·				-:		۵O	#- BI		utha	en II	nion (Gae S	onde	: :		
•	City/State/210.	Lowngton, NW 88200					•				: .			-		F.U	<u>ית</u> . דיי	 	uner			203 0		<u> </u>		
	Telephone No:	(575)396-2378		· · · ·	:	Fax No:	<u>(</u>	575)	396-1	429		•		Repo	ort Fo	rmat:	^	Sta	ndarc	d ·	·L	TRR	P.	Ļ.	NPDE	S
	Sampler Signature:	Galo				e-mail:	p	m@)basin	env.co	m cur	t.stan	ley@	Dsug.com	n ros	e.slae	de@su	ig.co	m					11	•	
(lab.uco	SS .		1-1	<u> </u>	0.0	·. ·	:					:			-	: • :			Ana	alyze	For:	<u> </u>	<u> </u>	-	_ ,	,
	·····/ <u>4526</u>	<u>50Q </u> L	15	50	91			-	: 1							······	т	DTAL:			X		· [:		4 2 2	
ORDE	(#: シンこ	<u>y i c</u>		<u> </u>	1	1	·	┢	Preser	vation a	& # of C	ontair	ners	Matrix 유 등	015B				g Se		3260				48	
	· · · · · ·	:	.:			1.1						. ¹ •		= Sluc Soli/S	0 1	100	j.		Hqd		Ĩ			spi	ule) 2	∣≽∣
(Vino			tt.				1	0 10	· :.				:.	er S.	015M	F	Va. K) Nkalin		5 3		0 or B			1 Sol	Sched	40
ŝ			Del	pth	plec	nplec	_ interest						(j	g Wai dwat	. ao ie	<u>8</u>	Page 1	CEC	g Ba		3/503			Sec.	ġ	ΙĮ
(lab		· · · · · · · · · · · · · · · · · · ·	ninç	j D	San	Sar	Itered	5				ő	(Spe	rinkin Sroun	418.	ž	C C	SP /	As A	g .	B021E		M.	Diss	Į	ard
# 8 4	EIC:		egin	ndin	Date	Line I	ield Fi		HNO.	HCI H	NaOH	Na ₂ S ₂ None	Other		ž H	Ë	ations	AR / I	letals	olatife	EX I	ō	U O R	otal	LSH S	tand
<u> </u>	SP #1	@ Surface		<u> . w</u>	12/4/2012	1300	<u></u>		x					Soil	x		<u>• </u>	S S		21			$\frac{2}{3}$			T _X
	SD#10	21	1	1	12/5/12	1330			X			•	┢	Soil	TX X						+		$\overline{\mathbf{b}}$	<u>i</u>		$\overline{\mathbf{n}}$
		~					Τ	T					t				-	1		+	1	11				T I
			· .					T									•						+	$\uparrow \uparrow$		T
		· · · ·									· ·										Τ	\square				\square
		· · · · · · · · · · · · · · · · · · ·	-			::							···	: : · · ·				·		· ·		\square				П
	· · ·												Γ		:				\square			ΓT	Τ	Π		
		· · · · ·		1.1					: :	· ·						ŀ						\square		:		\Box
					:									1			, i i			·						
			·					·										ŀ		: .						:
Special	Instructions:				· · · · · · · · · · · · · · · · · · ·			-							;		abora	atory	Con	nme	nts:					
	1 = : : [:]			••••		· ·	_		:	: 1		. <u></u>					VOCs.	Free	of He	eads	pace	?		Ø	N	
Relinquis	hed by:	Date	T	ime	Received by:			. :				i. in	Da	ate	Tim		abels Custor	on c ly se	ontai als or	n co	s) ntaine	r(s)			N N	
Relinguite	hed by	Dafe		ime	Received by:	vung						- 12	ן <i>כו</i> - שמ	1 - 1 âte	Tim		Sustoc Samol	i <u>y se</u> e Hai	als:or	n co elive	bler(s red			- CV	N N	
()	el lon -	12/5/17	14:	001	TXIJ	action	tt	$\overline{}$	> '			.] {	\mathcal{F}	SIA	M	m	by	Sam	pler/C	lient	Rep.	? ਸਮਾ	F		N Lone S	Star
Relinquis	hed by:	Date	 1	ime	Received by EL	<u>Frithan</u>				S.			<u></u>	ate	TIM		ις Tomo	Jul				'nζ	<u>لا</u> ر	З У		
	U				Shau	ness	ni	\mathbb{X}	12)		12	1	012	112	0	empe	aatul	eup		.eceip	<u>'V'</u>	<u>_U</u>	<u>1-0</u>		
'ę						• •							1				_									



XENCO Laboratories



Comments

Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 12/06/2012 11:30:00 AM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 453597	Temperature Measuring device used :

Sample Receipt Checklist	
#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, Val. Ct.

Nicholas Straccione Project Manager

> Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 455034



Southern Union Gas Services- Monahans, Monahans, TX

Wants Compressor

Matrix	Date Collected	Sample Depth	Lab Sample Id
S	12-28-12 08:00		455034-001
S	12-28-12 08:05		455034-002
S	12-28-12 08:10		455034-003
S	12-28-12 08:20		455034-004
S	12-28-12 08:25		455034-005
S	12-28-12 08:30		455034-006
S	12-28-12 08:40		455034-007
S	12-28-12 08:45		455034-008
S	12-28-12 08:50		455034-009
S	12-28-12 09:00		455034-010
S	12-28-12 09:05		455034-011
S	12-28-12 09:10		455034-012
S	12-28-12 09:20		455034-013
S	12-28-12 09:25		455034-014
S	12-28-12 09:30		455034-015
S	12-28-12 10:20		455034-016
S	12-28-12 10:25		455034-017
S	12-28-12 10:30		455034-018
S	12-28-12 10:00		455034-019
S	12-28-12 10:05		455034-020
S	12-28-12 10:10		455034-021
S	12-28-12 09:40		455034-022
S	12-28-12 09:45		455034-023
S	12-28-12 09:50		455034-024
S	12-28-12 10:40		455034-025
S	12-28-12 10:45		455034-026
S	12-28-12 10:50		455034-027
	Matrix S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S	MatrixDate CollectedS $12-28-12 \ 08:00$ S $12-28-12 \ 08:05$ S $12-28-12 \ 08:10$ S $12-28-12 \ 08:20$ S $12-28-12 \ 09:00$ S $12-28-12 \ 09:20$ S $12-28-12 \ 09:30$ S $12-28-12 \ 10:20$ S $12-28-12 \ 09:40$ S $12-28-12 \ 09:40$ S $12-28-12 \ 09:40$ S $12-28-12 \ 09:50$ S $12-28-12 \ 10:40$ S $12-28-12 \ 10:40$ S $12-28-12 \ 10:40$ S $12-28-12 \ 10:40$ S <td>MatrixDate CollectedSample DepthS12-28-12 08:00S12-28-12 08:05S12-28-12 08:10S12-28-12 08:20S12-28-12 08:20S12-28-12 08:25S12-28-12 08:30S12-28-12 08:45S12-28-12 08:45S12-28-12 09:00S12-28-12 09:00S12-28-12 09:00S12-28-12 09:01S12-28-12 09:20S12-28-12 10:20S12-28-12 10:20S12-28-12 10:20S12-28-12 10:00S12-28-12 10:00S12-28-12 10:00S12-28-12 10:05S12-28-12 09:40S12-28-12 09:40S12-28-12 09:50S12-28-12 10:40S12-28-12 10:40S12-28-12 10:40S12-28-12 10:45S12-28-12 10:50</td>	MatrixDate CollectedSample DepthS12-28-12 08:00S12-28-12 08:05S12-28-12 08:10S12-28-12 08:20S12-28-12 08:20S12-28-12 08:25S12-28-12 08:30S12-28-12 08:45S12-28-12 08:45S12-28-12 09:00S12-28-12 09:00S12-28-12 09:00S12-28-12 09:01S12-28-12 09:20S12-28-12 10:20S12-28-12 10:20S12-28-12 10:20S12-28-12 10:00S12-28-12 10:00S12-28-12 10:00S12-28-12 10:05S12-28-12 09:40S12-28-12 09:40S12-28-12 09:50S12-28-12 10:40S12-28-12 10:40S12-28-12 10:40S12-28-12 10:45S12-28-12 10:50




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



Project ID: (RP-2580) Work Order Number(s): 455034 Report Date: 14-JAN-13 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 XENCO Laboratories

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 Ma	nager:	Nicholas Strac	cione		
	Lab Id:	455034-0	001	455034-0	02	455034-0	003	455034-0	04	455034-0	05	455034-0	006
Analysis Dogwostad	Field Id:	SP1a @ Su	rface	SP1a @	2'	SPla@	4'	SP2a @ Su	rface	SP2a @	2'	SP2a @	4'
Analysis Requested	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	Extracted:	Jan-10-13 2	20:39	Jan-10-13 2	21:30 Jan-09-13 04:38		Jan-10-13 21:48		Jan-10-13 22:05		Jan-09-13 05:31		
SUB: E871002 Analyzed:		Jan-10-13 20:39 Jan-10-13 21:30		Jan-09-13 0	04:38	Jan-10-13 21:48		Jan-10-13 2	2:05	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 1	2:25	Jan-04-13 1	2:25	Jan-04-13 I	2:25	Jan-04-13 1	3:05	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 1	1:00	Jan-03-13 1	4:30	Jan-10-13 1	1:00	Jan-10-13 1	1:00	Jan-03-13	14:30
	Analyzed:	Jan-10-13	17:42	Jan-10-13 1	8:18	Jan-04-13 0	00:53	Jan-10-13 1	8:52	Jan-10-13 1	9:26	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

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

Nul Ctr

Nicholas Straccione Project Manager

XENCO Laboratorico

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 Ma	nager:	Nicholas Strac	cione		
	Lab Id:	455034-0	007	455034-0	08	455034-0	09	455034-0	10	455034-0	11	455034-0)12
Analysis Paguastad	Field Id:	SP3a @ Su	rface	SP3a @	2'	SP3a @	4'	SP1b @ Su	rface	SP1b@	2'	SP1b @	4'
Anulysis Kequesieu	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 (9:05	Dec-28-12	09:10
Inorganic Anions by EPA 300/300.1	Extracted:	Jan-10-13	22:22	Jan-10-13 2	2:39	Jan-09-13 0	5:48	Jan-10-13 2	:3:30	Jan-10-13 2	3:47	Jan-09-13 ()6:05
SUB: E871002	Analyzed:	Jan-10-13 2	22:22	Jan-10-13 2	2:39	Jan-09-13 0	5:48	Jan-10-13 2	3:30	Jan-10-13 2	3:47	Jan-09-13 ()6:05
	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 1	3:05	Jan-04-13 1	3:05	Jan-04-13 1	3:20	Jan-04-13 1	3:20	Jan-04-13 1	3:20
	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 1	1:00	Jan-03-13 1	4:30	Jan-10-13 1	1:00	Jan-10-13 1	1:00	Jan-03-13 1	4:30
	Analyzed:	Jan-10-13	19:58	Jan-10-13 2	1:02	Jan-04-13 0	1:44	Jan-10-13 2	:1:33	Jan-10-13 2	2:04	Jan-04-13 ()2:10
	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

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

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

Nul Ctr

Nicholas Straccione Project Manager

Page 6 of 30

CONCO Laboratories

Project Id: (RP-2580)

Project Location: Lea County, NM

Contact: Joel Lowry

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor



Date Received in Lab: Thu Jan-03-13 02:11 pm

Report Date: 14-JAN-13

								Project Ma	nager:	Nicholas Strac	cione		
	Lab Id:	455034-0	013	455034-0	14	455034-0)15	455034-0)16	455034-0	17	455034-0)18
Analysis Paguastad	Field Id:	SP2b @ Su	urface	SP2b@	2'	SP2b @	4'	SP3b @ Su	rface	SP3b @	2'	SP3b @	4'
Analysis Requested	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	Extracted:	Jan-11-13	00:04	Jan-11-13 0	0:21	Jan-09-13 (06:23	Jan-11-13 (0:39	Jan-11-13 (01:30	Jan-09-13 (07:15
SUB: E871002	Analyzed:	Jan-11-13	00:04	Jan-11-13 0	0:21	Jan-09-13 (06:23	Jan-11-13 (00:39	Jan-11-13 (1:30	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:				1								
	Analyzed:	Jan-04-13	13:20	Jan-04-13 1	3:20	Jan-04-13 I	13:20	Jan-04-13	3:20	Jan-04-13 1	3:20	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 1	1:00	Jan-03-13 1	14:30	Jan-10-13 1	1:00	Jan-10-13 1	1:00	Jan-03-13 1	14:30
	Analyzed:	Jan-10-13	22:35	Jan-10-13 2	3:06	Jan-04-13 (02:35	Jan-10-13 2	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

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

Nul Ctr

Nicholas Straccione Project Manager

XENCO Laboratories:

Project Id: (RP-2580)

Project Location: Lea County, NM

Contact: Joel Lowry

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor



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

· · · · · · · · · · · · · · · · · · ·								Project Ma	nager:	Nicholas Strac	cione		
	Lab Id:	455034-0)19	455034-0	20	455034-0	21	455034-0	22	455034-0	23	455034-0)24
Analysis Pagnastad	Field Id:	SP1c @ Su	rface	SP1c@	2'	SP1c@	4'	SP2c @ Su	rface	SP2c @	2'	SP2c @	4'
Analysis Requested	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Dec-28-12	10:00	Dec-28-12 1	0:05	Dec-28-12 1	10:10	Dec-28-12 ()9:40	Dec-28-12 (9:45	Dec-28-12 (09:50
Inorganic Anions by EPA 300/300.1	Extracted:	Jan-11-13 (01:47	Jan-11-13 0	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		
SUB: E871002	Analyzed:	Jan-11-13 (Jan-11-13 01:47		2:04	Jan-09-13 0	7:32	Jan-11-13 (2:55	Jan-11-13 0	3:12	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 1	3:20	Jan-04-13 1	3:20	Jan-04-13 1	3:20	Jan-04-13 1	3:20	Jan-04-13 1	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 1	1:00	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 0	1:08	Jan-04-13 03:26		Jan-11-13 01:38		Jan-14-13 12:21		Jan-04-13 ()3:51
	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

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

Nul Ctr

Nicholas Straccione Project Manager

XENCO Laboratories

Project Id: (RP-2580)

Project Location: Lea County, NM

Contact: Joel Lowry

Certificate of Analysis Summary 455034

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wants Compressor



Date Received in Lab: Thu Jan-03-13 02:11 pm

Report Date: 14-JAN-13

Project Manager: Nicholas Straccione

	Lab Id:	455034-0	25	455034-0	26	455034-0	27			
	Field Id:	SP3c @ Su	rface	SP3c @ 2	2'	SP3c @	4'			
Analysis Requested	Depth:									
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Dec-28-12 1	0:40	Dec-28-12 1	0:45	Dec-28-12 10:50				
Inorganic Anions by EPA 300/300.1	Extracted:	Jan-11-13 0	3:30	Jan-11-13 0	Jan-11-13 03:47		08:07			
SUB: E871002	Analyzed:	Jan-11-13 03:30 Jan		Jan-11-13 0	Jan-11-13 03:47		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 1	3:40	Jan-04-13 1	3:40	Jan-04-13 1	4:55			
	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 0	8:00	Jan-14-13 0	8:00	Jan-03-13 1	4:30			
	Analyzed:	Jan-14-13 1	2:50	Jan-14-13 1	3:20	Jan-04-13 0	9:39			
	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		 	

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

Nul Ctr

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.
- A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or B 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.
- The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated. E
- F RPD exceeded lab control limits.
- The target analyte was positively identified below the quantiation limit and above the detection limit. I.
- 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
- PQL Practical Quantitation Limit MQL Method Quantitation Limit
- **DL** Method Detection Limit
- NC Non-Calculable
- + NELAC certification not offered for this compound.
- (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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

Certified and approved by numerous States and Agencies.

LOD Limit of Detection

LOQ Limit of Quantitation

(28 (21 (21 (81 (43)(77)

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

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America Pho

4143 Greenbriar Dr. Stafford, TX 77477
9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

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

Final 1.000



Project Name: Wants Compressor

Vork Orders : 455034	, Sample: 455034-003 / SMP	Batel	Project II	D: (RP-2580) • Soil				
Units: mg/kg	Date Analyzed: 01/04/13 00:53	SU	RROGATE RI	ECOVERYS	STUDY			
TPH I	By SW8015 Mod Analytes	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	Batcl	h: ¹ Matrix	:Soil				
Units: mg/kg	Date Analyzed: 01/04/13 01:19	SU	RROGATE RI	ECOVERY S	STUDY			
ТРН	By SW8015 Mod Analvtes	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	Bate	h: 1 Matrix	:Soil				
Units: mg/kg	Date Analyzed: 01/04/13 01:44	SU	RROGATE R	ECOVERYS	Control Fla %R %R %R %R %R %R 95 70-135 96 96 70-135 96 96 70-135 96 92 70-135 96 92 70-135 96 92 70-135 96 92 70-135 97 94 70-135 98 94 70-135 98 94 70-135 98 95 70-135 93 91 70-135 93 91 70-135 93 92 70-135 93 93 70-135 93 92 70-135 93 92 70-135 93 93 70-135 93 92 70-135 93 92 70-135 93 92 70-135 93 92 70-135 93			
TPH	By SW8015 Mod Analytes	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	Batc	h: 1 Matrix	:Soil	•			
Units: mg/kg	Date Analyzed: 01/04/13 02:10	SU	RROGATE R	ECOVERY	STUDY			
ТРН	By SW8015 Mod Analytes	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	Bate	h: 1 Matrix	: Soil				
Units: mg/kg	Date Analyzed: 01/04/13 02:35	SU	RROGATE R	ECOVERY	STUDY			
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
1-Chlorooctane					ł			
1 emereetane		91.9	100	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



Project Name: Wants Compressor

Work Orders : 455034	, Sample: 455034-018 / SMP	Project ID: (RP-2580) MP Batch: 1 Matrix: Soil							
Units: mg/kg	Date Analyzed: 01/04/13 03:00	SU.	RROGATE RE	ECOVERY S	STUDY				
ТРН	By SW8015 Mod Analytes	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	Batcl	h: 1 Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/04/13 03:26	SU	RROGATE RE	ECOVERY S	STUDY				
ТРН	By SW8015 Mod Analytes	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	Batc	h: ¹ Matrix:	Soil	· · · · · ·				
Units: mg/kg	Date Analyzed: 01/04/13 03:51	SU	RROGATE RE	COVERY	STUDY				
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
I-Chlorooctane	J S S S S S S S S S S	90.3	99.9	90	70-135				
o-Terphenyl		44.4	50.0	89	70-135				
Lab Batch #: 904094	Sample: 455034-027 / SMP	Bate	h: l Matrix:	Soil	•				
Units: mg/kg	Date Analyzed: 01/04/13 09:39	SU	RROGATE RE	ECOVERY	STUDY				
ТРН	By SW8015 Mod	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	Bate	h: 1 Matrix:	Soil	L				
Units: mg/kg	Date Analyzed: 01/10/13 17:42	SU	RROGATE RE	ECOVERY	STUDY				
ТРН	By SW8015 Mod Analytes	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				
L			I	1	1				

* 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



Project Name: Wants Compressor

Work Orders : 455034	, 	Project ID: (RP-2580)								
Lab Batch #: 904443	Sample: 455034-0027 SMP		REACATE RE	ID: (RP-2580) x: Soil RECOVERY STUDY Recovery %R [D] Control Limits %R [D] 90 70-135 87 70-135 87 70-135 x: Soil RECOVERY STUDY Recovery %R [D] 70-135 97 70-135 97 70-135 x: Soil RECOVERY STUDY Recovery %R [D] 70-135 x: Soil RECOVERY STUDY Flag %R Flag %R Fla						
Units: mg/kg	Date Analyzed: 01/10/13 18:18 By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	STUDY Control Limits %R 70-135 70-135 STUDY Control Limits %R 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135 70-135	Flags				
1 Chlorestern	Analytes		00.7	1-1	70.125					
I-Chiorooctane		43.5	99.7	90	70-135					
0-replieny		43.5	47.7	87 	70-155	···				
Lab Batch #: 904443	Sample: 455034-004 / SMP	Batch	n: 1 Matrix:	Soll	CTLINX/	······				
Units: mg/kg	Date Analyzed: 01/10/13 18:52	SU	RRUGATE RE							
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1-Chlorooctane	Analytes	90.8	99.7	01	70-135					
o-Terphenyl		48.5	49.9	97	70-135					
	S		L D. Madaulau	Soil						
Lab Batch #: 904443	Sample: 435054-0057 SMF	Batch: 1 Matrix: Soil SURROGATE RECOVERY STUDY								
Units: mg/kg	Date Analyzed: 01/10/13 19:26		KROGATE KI		51001					
ТРН	By SW8015 Mod	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	Batel	h: l Matrix	: Soil	1	······				
Units: mg/kg	Date Analyzed: 01/10/13 19:58	SU	RROGATE RI	ECOVERY	STUDY					
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
	Analytes			[D]						
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	Batc	h: 1 Matrix	: Soil						
Units: mg/kg	Date Analyzed: 01/10/13 21:02	SU	RROGATE RI	COVERY	STUDY					
ТРН	By SW8015 Mod Analytes	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	·				
1				·		·				

* 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



Project Name: Wants Compressor

Work Orders : 455034	,	Project ID: (RP-2580)							
Lab Batch #: 904443	Sample: 455034-010 / SMP	Batel	h: 1 Matrix:	Soil		<u> </u>			
Units: mg/kg	Date Analyzed: 01/10/13 21:33	SU	RROGATE RE	COVERY					
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
L-Chlorooctane	1 mary tes	92.0	00.8	07	70-135				
o-Terphenyl		45.6	49.9	91	70-135				
	C 1 455024 011 / SMD		1	Soil .	10135				
Lab Batch #: 904445	Sample: 433034-0117 SMP	Bate	h: I Matrix:	SOIL	STUDY				
Units: mg/kg	Date Analyzed: 01/10/13 22:04	50	KROGATE KI						
TPH 1	By SW8015 Mod Analytes	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				
L	Sample: 455034-013 / SMP	Bata	h. 1 Matrix	Soil	1 1				
Lab Daten #. 901113	Date Analyzed: 01/10/13 22:35	SU	RROGATE RE	Soil COVERY STUDY Control					
TPH	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
	Analytes			[D]					
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	Batc	h: ¹ Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/10/13 23:06	SU	RROGATE RE	COVERY	STUDY				
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
	Analytes			[D]					
1-Chlorooctane		105	99.7	105	70-135				
o-Terphenyl		50.4	49.9	101	70-135				
Lab Batch #: 904443	Sample: 455034-016 / SMP	Bate	h: ¹ Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/10/13 23:37	SU	RROGATE RE	COVERY	STUDY				
TPH	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane	· J	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



Project Name: Wants Compressor

Work Orders: 455034	·,	Project ID: (RP-2580)							
Lab Batch #: 904443	Sample: 455034-017 / SMP	Batch	h: 1 Matrix:	Soil					
Units: mg/kg	Date Analyzed: 01/11/13 00:07	SU	RROGATE RI	ECOVERY	STUDY				
ТРН	By SW8015 Mod Analytes	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	Batcl	h: 1 Matrix	Soil					
Units: mg/kg	Date Analyzed: 01/11/13 00:37	SU	RROGATE RI	ECOVERY	STUDY				
TPH	By SW8015 Mod Analytes	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	Batcl	h: ¹ Matrix	:Soil					
Units: mg/kg	Date Analyzed: 01/11/13 01:08	SU	RROGATE RI	Soil COVERY STUDY					
ТРН	By SW8015 Mod Analytes	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	Batel	h: ¹ Matrix	:Soil	••				
Units: mg/kg	Date Analyzed: 01/11/13 01:38	SU	RROGATE RI	ECOVERY	[D] 107 70-135 104 70-135 104 104 70-135 104 il OVERY STUDY Fla %R %R %R Fla 90 70-135 104 105 90 70-135 101 105 70-135 99 70-135 93 70-135 101 99 70-135 101 105 70-135 11 OVERY STUDY Recovery Control Limits %R (D) Fla 105 70-135 11 OVERY STUDY Recovery Control Limits %R (D) Fla 101 70-135 11 OVERY STUDY Control Limits %R (D) %R (D) Fla 101 70-135 11 OVERY STUDY Control Limits %R (D) %R (D) Fla 101 70-135 11 OVERY STUDY State %R (D) State %R (D) State %R (D) Fla 93 70-135 13 13 13 93 70-135 13 14 14 93 70-				
ТРН	By SW8015 Mod	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	103	70-135				
Lah Batch #: 904602	Sample: 455034-023 / SMP	Bate	l h· 1 Matrix	· Soil	<u> </u>				
Units: mg/kg	Date Analyzed: 01/14/13 12:21	SU	RROGATE RI	ECOVERY	STUDY	· · ·			
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
I-Chlorooctane		93.2	100	93	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



Project Name: Wants Compressor

Work Orders : 455034	, Sample: 455034-025 / SMP	Bate	Project II	D: (RP-2580) • Soil)	
Units: mg/kg	Date Analyzed: 01/14/13 12:50	SU	RROGATE RI	ECOVERY	STUDY	
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
1-Chlorooctane		96.2	100	96	70-135	
o-Terphenyl		43.4	50.0	87	70-135	
Lab Batch #: 904602	Sample: 455034-026 / SMP	Bate	h: ¹ Matrix	:Soil		
Units: mg/kg	Date Analyzed: 01/14/13 13:20	SU	RROGATE R	ECOVERY	STUDY	
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Anarytes	03.5	00.7	04	70.135	
o-Terphenyl		43.5	49.9	87	70-135	
L - L D - 4- L # 004004	5 1 621008 1 DLK / DL	V D t		L Collid	10 100	
Lab Batch #: 904094	Sample: 031998-1-BLK/BL		h: 1 Matrix	: Solia	STUDY	
Units: mg/kg	Date Analyzed: 01/03/13 23:37	50				
TPH I	By SW8015 Mod Analvtes	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 / BL	K Batc	h: ¹ Matrix	: Solid	I	
Units: mg/kg	Date Analyzed: 01/10/13 12:25	SU	RROGATE RI	ECOVERY	STUDY	
ТРН І	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			וען		
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 / BI	K Bate	h: ¹ Matrix	:Solid		
Units: mg/kg	Date Analyzed: 01/14/13 11:45	SU	RROGATE RI	ECOVERY	STUDY	
ТРН І	3y SW8015 Mod Analytes	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



Project Name: Wants Compressor

Vork Orders : 455034	·,		Project II): (RP-2580)		
Lab Batch #: 904094	Sample: 631998-1-BKS / B	KS Batch	n: 1 Matrix:	Solid	~~~~~	
Units: mg/kg	Date Analyzed: 01/03/13 22:46	SU	RROGATE RE	ECOVERY S	STUDY	
TPH	By SW8015 Mod Analytes	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 / B	KS Batel	h: 1 Matrix:	Solid		
Units: mg/kg	Date Analyzed: 01/10/13 11:14	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analvtes	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 / B	KS Batcl	h: 1 Matrix	Solid	I	
Units: mg/kg	Date Analyzed: 01/14/13 10:43	SU	RROGATE RI	COVERY	STUDY	
ТРН	By SW8015 Mod Analytes	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 / B	SD Batel	h: l Matrix	Solid		
Units: mg/kg	Date Analyzed: 01/03/13 23:11	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod	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 / B	SD Batcl	h: 1 Matrix	Solid		
Units: mg/kg	Date Analyzed: 01/10/13 11:49	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	<i>v</i>	94.0	100	94	70-135	
			1	1	1	1

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

. .



Project Name: Wants Compressor

VUIK OIUEIS • 455054,			Project IL): (RP-2580)		
Lab Batch #: 904602	Sample: 632327-1-BSD / B	SD Batcl	h: 1 <u>Matrix</u> :	Solid		
Units: mg/kg	Date Analyzed: 01/14/13 11:15	SU	RROGATE RE	COVERY	STUDY	
ТРН В	By SW8015 Mod Analytes	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	S Batcl	h: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 01/04/13 10:03	SU	RROGATE RE	COVERY	STUDY	
ТРН Е	By SW8015 Mod Analytes	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	Batcl	h: ¹ Matrix:	Soil	·	
Units: mg/kg	Date Analyzed: 01/10/13 16:25	SU	RROGATE RE	COVERY	STUDY	
ТРН Е	By SW8015 Mod	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	5 Batcl	h: 1 Matrix:	Soil	·	
Units: mg/kg	Date Analyzed: 01/14/13 15:09	SU	RROGATE RE	ECOVERY S	STUDY	
ТРН Е	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			וּטו		
1-Chlorooctane		109	100	109	70-135	
		54.0	50.1	108	/0-135	
Lab Batch #: 904094	Sample: 455034-012 SD / N	ASD Batel	h: Matrix:	Soil	STUDY	
Units: mg/kg	Date Analyzed: 01/04/13 10:28	50	KRUGATE KI			
TPH E	3y SW8015 Mod Analytes	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



Project Name: Wants Compressor

Work Orders: 455034	'>		Project I	D: (RP-2580))	
Lab Batch #: 904443	Sample: 455346-007 SD / 1	MSD Bate	h: ¹ Matrix	c: Soil		
Units: mg/kg	Date Analyzed: 01/10/13 17:04	SU	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
· · · · ·	Analytes	1		[D]		
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





Work Order #: 455034		Р	roject ID:		(R	(P-2580)
Lab Batch #: 904465 Date Analyzed: 01/10/2013 D	Sample: 632243- Date Prepared: 01/10/20	-1-BKS 013	Matrix: Analyst:	Solid RKO		
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	OVERY S	STUDY
Inorganic Anions by EPA 300/300.1	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
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





Work Order #: 455034							Pro	ject ID: ((RP-2580)		
Analyst: DAQ	D	ate Prepar	ed: 01/09/20	13			Date A	nalyzed: (01/09/2013		
Lab Batch ID: 904302 Sample: 632137-	I-BKS	Batel	n #: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK	SPIKE / I	BLANK S	SPIKE DUP	LICATE	RECOVI	ERY STUD	PΥ	
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	D	ate Prepar	ed: 01/03/20	13	A		Date A	nalyzed: (01/03/2013		
Lab Batch ID: 904094 Sample: 631998-	1-BKS	Batch	n #: 1				Matrix: S	Solid			
Units: mg/kg		BLAN	K/BLANK S	SPIKE / E	PIKE DUPI	LICATE	RECOVI	ERY STUD	Ŷ		
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added (B)	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate Result (F)	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes					[12]	Kesun [1]					
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	1040	104	1000	986	99	5	70-135	35	<u> </u>
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1020	102	1000	965	97	6	70-135	35	
Analyst: KEB	Da	ate Prepar	ed: 01/10/201	13			Date A	nalyzed: (01/10/2013		
Lab Batch ID: 904443 Sample: 632220-	I-BKS	Batch	n#: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / I	BLANK S	PIKE DUPI	LICATE	RECOVI	ERY STUD	Ŷ	
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes			• •								
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	963	96	1000	946	95	2	70-135	35	

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





Work Order #: 455034 Analyst: KEB	D٤	ite Prepar	ed: 01/14/201	3			Pro Date A	ject ID: (nalyzed: (RP-2580) 01/14/2013		
Lab Batch ID: 904602 Sample: 632327-1-B	KS	Batel	n #: 1					Matrix: S	Solid		
Units: mg/kg	·····	BLAN	K/BLANK S	SPIKE / I	BLANK S	PIKE DUPL	ICATE	RECOVE	ERY STUD	Ŷ	
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	{E}	Result [F]	[G]				
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 Date Analyzed: 01/14/2013	Date Prepared: 01/14	4/2013	Pro At	oject ID: nalyst: K	(RP-2580) EB							
QC- Sample ID: 455034-026 S	Batch #: 1			1atrix: S	oil							
Reporting Units: mg/kg	mg/kg MATRIX / M											
TPH by SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag						
Analytes	[A]	[B]										
C6-C12 Gasoline Range Hydrocarbons	<15.3	1020	1120	110	70-135							
C12-C28 Diesel Range Hydrocarbons	<15.3	1020	1080	106	70-135	İ						

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

BRL - Below Reporting Limit





Work Order #: 455034	Project ID: (RP-2580)													
Lab Batch ID: 904302 Date Analyzed: 01/09/2013	QC- Sample ID: Date Prepared:	455034 01/09/2	-003 S 013	Ba An	tch #: alyst:	l Matri DAQ	x: Soil							
Reporting Units: mg/kg		M	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY					
Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added (B)	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag			
Chloride	15.3	188	208	188	209	103	0	80-120	20					
Lab Batch ID: 904465 Date Analyzed: 01/10/2013	QC- Sample ID: Date Prepared:	455034 01/10/2	-001 S 013	Ba An	tch #: alyst:	1 Matri : RKO	x: Soil			<u> </u>				
Reporting Units: mg/kg	[M	IATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY					
Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R	Spike Added (F1	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	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 Date Analyzed: 01/11/2013	QC- Sample ID: Date Prepared:	455034 01/11/2	-016 S 013	Ba An	tch #: alyst:	l Matri RKO	x: Soil	1	<u> </u>					
Reporting Units: mg/kg	<u> </u>	M	ATRIX SPIK	E / MAT	RIX SPI	KE DUPLICA	TE REC	OVERY	STUDY					
Inorganic Anions by EPA 300/300.1 Analytes	ParentSpiked SampleSampleSpikeResultAdded[A][B]					Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag			
Chlorida		104	04.8	01	10.4	- <u> </u>					╆────			

Matrix Spike Percent Recovery $[D] \approx 100^{*}(C-A)/B$ Relative Percent Difference RPD = $200^{*}[(C-F)/(C+F)]$ Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E





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





Work Order #: 455034

Lab Batch #: 904156 Date Analyzed: 01/04/2013 12:25 OC- Sample ID: 455062-001 D	Date Prepar Batel	ed:01/04/2013	3 Anal Mat	Project I I yst: WRU rix: Soil	D: (RP-2580))
Reporting Units: %		SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture		Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte			[B]			
Percent Moisture		5.71	5.56	3	20	
Lab Batch #: 904163						
Date Analyzed: 01/04/2013 13:20	Date Prepar	ed: 01/04/2013	3 Ana	lyst: WRU		
QC- Sample ID: 455034-010 D	Batel	n#: 1	Mat	rix: Soil		
Reporting Units: %		SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	- <u></u>	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte			[u]			
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 Fax: 432-563-1713

	Project Manager:	Joel Lowry											•				Pro	ject	Nam	e: <u>N</u>	ant	s C	om	pres	so	r					
•	Company Name	Basin Environmental Ser	vice T	echnoi	ogies, LLC							• .						Pro	ject	#: <u>(</u> F	RP-2	2580))			• •					
•	Company Address:	P.O. Box 301		·													P	roje	:. ct Lo	c: <u>L</u> e	ea C	ount	y, N	M	,		•				. :
	City/State/Zip:	Lovington, NM 88260			<u> </u>	· · ·	-			• •									PO	#: <u>B</u> i	ill Sc	outh	ern (Unio	n G	as			1.	<u> </u>	<u></u>
	Telephone No:	(575)396-2378			· · · ·	Fax No:		(57	5) 3	<u>96-14</u>	129	:	. :			R	eport	For	nat:	X	st	anda	ırd	•		TRR	Р		NPD	ES	
	Sampler Signature:	Juel lou	en i			e-mail:		ros	e.s	lade	@su	<u>].CO</u>	<u>m, c</u>	ynd	l.ins	kee	p@s	ug.c	om,	pm	@b	asin	<u>env</u>	.con	<u>n</u>		÷ : .				
lab use)	· · · ·									::			-				TCLP	A :	naly		or:	T	$\overline{\top}$		-	113	
ORDEI	_{х#:} 45505)4	÷.,	: :		· · · · ·			Pr	eserv	ation	& # O	f Con	taine	rs	Ma	trix	<u>e</u>	- <u>m</u>	т 	OTAL	: •			X					48 , 72	
LAB#(lab use only)	FIEL	D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Fittered	Total #. of Containers	lce	HNO3	HCI HSO	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW = Drinking Water SL = Studg	NP = Non-Potable Specify Othe	TPH: 418.1 8015M 8015	TPH: TX 1005 TX 1006	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.U.K.M. CHLORIDES	Total Dissolved Solids	Hold	KUSH 1AI (Pre-Schedule) 24, 4 Standard TAT 4 DAY	
0	SP1a (@ Surface			12/28/2012	800		ì					ŀ					X						ГТ			X		X	T	7
02	SP	1a @ 2'			12/28/2012	805												Х						\Box	ľ		X	\Box	X	Т	C I
03	SP	1a @ 4'		:	12/28/2012	810	_								·			Х			•						X	1			
<u>04</u>	SP2a (@ Surface			12/28/2012	820		4				l'					1	X									<u> </u>		X		
05	SP2	2a @ 2'			12/28/2012	825		Ĺ						·			. I	X						\square			IX	\square	X	<u> </u>	
DQ	SP2	2a @ 4'			12/28/2012	830		Д										X			· ·						X	1		Ш	
01	SP3a (@ Surface			12/28/2012	840						÷						X	:	:		i				:	X		X		
08	SP3	3a @ 2'			12/28/2012	845	_					Ľ						X									X		X		
<u>00</u>	SP3	3a @ 4'		. : *	12/28/2012	850				- :	: .					.: . ·	[X									X				
10	SP1b (@ Surface			12/28/2012	900		N										X								ŀ		<u>] </u>	\mathbf{X}	\overline{N}	1
Special Run	Instructions: 4 Samples Hold	far further	ra	naly	isis, se	ind CI	7	PÍ	4	RO	sul	tg	· · ·				•		L (0) >	abor ampl OCs	ator e Cc Free	y Co Intail e of H	mm hers lead	ents: Infac Ispac	: :1?) :e?			R	NAN		
	hed by:	Date	т .0 ђ	me :4{{	JAnn	1 Rm	<u> </u>			T		•	L)]:	Date	; 3.	D	lime	Se	ibels ustoo ustoo	on ly se ly se	conta als o als i	iiner on co on co	(S) ontail ooler	ner((ŝ)\$	s)		Ŷ			
Relinguis	hed by	$\times (2 13)$	08	45 (Received oy	utte		-						$\frac{1}{1}$	Dati J	13	8	Fime 5		ampl by by	e Ha Sarr Cou	ind E ipler/ rier?	Deliv Clier	ered 1t Rej UPS	p. ?]	DHL	Fe		N Lone) Star	大学でのないまで、
Relinquis	hed by: /	Date		me		ridr	r) F	¥	\bigcirc)					, <u>3</u>	12	ime 1		empe	eratu	re U	pon	Rece	ipt:	-0	<u>, 4</u>	<u> </u>	.0.	с С	N BALL CARDIN

1 of 3

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 2of3

	Project Manager:	Joel Lowry	. <u></u>	· :	· <u> </u>	·							: :		<u> </u>	, I	Proje	ct N	ame:	Wa	ints	Co	mpi	ess	or	:		<u>.</u>		:	
. •	Company Name	Basin Environmental Ser	vice T	echno	logies, LLC	. : 										:	P	Proje	ect #:	(RF	2.25	580)) .						_		
	Company Address:	P.O. Box 301						•				. • .	di -				Рго	ject	Loc:	Lea	Co	unty	, NM		:	<u> </u>					
	City/State/Zip:	Lovington, NM 88260				: · :		<u> </u>		:		<u></u>	<u></u> .					F	PO #:	Bill	Sou	ithe	rn Ur	<u>ion (</u>	Gas			:			•
····	Telephone No:	(575)396-2378				Fax No:		: <u>(</u> 57	<u>5) 3</u>	96-14	29		· ·		<u> </u>	Rep	ort Fo	orma	at:	X	Star	ndaro	d	Ľ] TRF	۲P	. [DES	. : i	
	Sampler Signature:	Quel ton	.: مر	1		e-mail:		ros	se.s	lade(<u>))suc</u>	.cor	<u>n. c</u> y	<u>/ndi.</u>	insl	(eep(Dsuc	<u>a.co</u>	<u>m, p</u>	m@	bas	sine	nv.c	om		;	• :	i		_	
lab use i	only) 1660	21	:	Z		· · ·		:				- :,	:		: .		F		:	тс тот	CLP:	Ana	alyze	For:		T	T	Τ	72 hrs		:
ORDER	₹#: [JJV	<u>Э т — — — — — — — — — — — — — — — — — — </u>	.::	1 <u>1</u> 1 1	· · · · ·	. ;			Pr	eserva	tion 8	# of	Cont	alner	s	Matrix				Π		Se	-	192					84 1	—	
LAB # (lab use only)		D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	lce	HNO ₃	H ₂ SO ₄	NaOH	Na _z S ₂ O ₃	None	Other (Specify) DW=Drinking Water St = Stude	CW = Groundwater S=Soll/So	NP = Non-Potable Specify Oth TPH: 418.1 8015M 80	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	BTEX 8021B/5030 or BTEX 82	RCI	N.O.R.M.	CHLORIDES Trial Discolved Solids	H 1/ 4	RUSH TAT (Pre-Schedule) 24	Standard TAT 4 DAY	
	\$P	1b@2'	[12/28/2012	905)				÷			Γ		X			:			ŀ.,			\square	X_	X	\Box	X	
<u>12</u>	\$P [.]	1b@4'		<u> </u>	12/28/2012	910		12																			Δ	<u> </u>			•
13	SP2b (@ Surface		· ·	12/28/2012	920		\square								.:::		1									XL.				
<u> 4</u>	\$P2	2b @ 2'			12/28/2012	925		Ш									\geq	1		Ŀ						Ľ	XL.	\geq			
<u>15</u>	SP2	2b @ 4'		<u></u>	12/28/2012	930		Ш	· ·								X		ŀ								XL.	<u> </u>			
<u>110</u>	SP3b (@ Surface		<u> </u>	12/28/2012	1020											<u> </u>									}	<u><</u>	X	Ш	Ц	
<u>ा ।</u>	SP:	3b @ 2'		 	12/28/2012	1025		Ц	:		\perp										\downarrow	_				}	⊈_	K	<u> </u>]		
<u> 18</u>	SP:	3b @ 4'	:	<u> </u>	12/28/2012	1030		Щ		÷						-		1								}	4	\downarrow	Ш	Ц	
	SP1c (@ Surface		:	12/28/2012	1000		$\left \right\rangle$							╞	. i	- K	+					4.		$\left \right $		<u>\</u>	Ŕ	\square	\mathbf{H}	
	SP'	lc @ 2'			12/28/2012	1005		Ŭ		Ļ			<u> </u>		Ļ		Ľ	<u> </u>	1.51			<u> </u>			5.20	<u></u>	×			*	
Eun	4 Sampled fold	for further	10	ina	7515,	serd Th	4	- ((³ ci	[}	5				·:		Sar VO	nple Cs F	Cón ree (taine of He	erstin eadsj	tact? pace			Ø		N2 N		
	el for		06:	me 45	Min	Ran	_	2	F	<u>.</u>		· ·		1/0		B	Tin OLi	ne ØS		els c tódy tody	in co sea sea	ontai Is or Is or	ner(s 1 cor 1 coc)) taine <u>Ier(s</u>	r(s)						•
	ned by: W Fun		08	:45 ime	Reneiven hv El	the	(-	G.4.79 3			13				nple by S by C	Han amp Ourie	d De ler/C	lient	ed Rep. PS	? PHL	¢	ed B	y Loi		1	
quisi	ном <i>иу.</i>				18hai	reig	γ	\tilde{D}	H/	\bigcirc				3	13		<u>ių</u> ",		Ten	npera	ature	Up	on R	eceip	i: _	<u>-D</u>	q	3.	%		

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 30f3

•	Project Manager:	Joel Lowry				<u> </u>								:		Pr	ojec	t Na	me:	Wan	itz C	:om	pres	sso	r		•			.: .
	Company Name	Basin Environmental Ser	vice T	echnol	logies, LLC			•			: .						P	rojec	:t #:	(RP-	258	0)			<u> </u>			· · ·		
	Company Address:	P.O. Box 301				· · ·					· • •		:	: · ·		F	^o roj	ect L	.oc:	Lea (oun	ity, N	IM	::-:			<u> . </u>		·	:
	City/State/Zip:	Lovington, NM 88260		· ·		· · ·	:		:	·::·	• •	•				· ·		P) #:	Bill S	outh	iern	Unic	on G	as	: : 	::	-:: 	<u></u>	
	Telephone No:	(575)396-2378			· · ·	Fax No:		(57	:: '5) 3	<u> 96-14</u>	129	:. 		:		Report	t Fo	rmat	: · [x s	tand	ard			TRR	,		NPDE	S	
•	Sampler Signature:	Jul Jon	i	:		e-mail:		ros	se.s	slade	@su	ig.co	om,	cync	<u>fi.in</u>	skeep@:	sug	.con	n, pi	n@t	asir	nenv	.cor	n				:. 	۰۰ وب	
abilise				L		•			• •					: : :			<u> </u>	<u>.</u>	<u>.</u>	TCI	م ارم	Analy	ze r	or:				┥╻	,	:
JBDEE	4550-	34		0	: :	:				ACOTV	ation	2.40	of Cor	atain	0.00	Motrix	Ē	<u> </u>		TOTA	L:			X				72 PL		
AB # (lab use only)	FIEI	-D CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCI HSO	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW = Drinking Water SL = Sludg GW = Groundwater S = Soll/Soll NP = Non Potable Specify Oth	TPH: 418.1 8015M 8015E	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl. SO4, Alkalinity)	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatites	BTEX 8021B/5030 or BTEX 8260	RCI	CHLORIDES	Total Dissolved Solids	H o/d RUSH TAT (Pre-Schedule) 24, 46	Standard TAT 4 DAY	
21	SP	1c @ 4'			12/28/2012	1010		C	:								X				1	1				Ī	\uparrow		ĪŇ	1.
22	SP2c	@ Surface			12/28/2012	940	1	1					1	\square			X	ŀ					1.			TX	\square	$\overline{\mathbf{A}}$	T	1
23	SP	2c @ 2'			12/28/2012	945		Π	–			-	Τ				X									\mathbf{N}	Π	R	\mathbf{T}	1
24	SP	2c @ 4'			12/28/2012	950	:	\prod									X]			Τ		1			$\overline{\mathbf{N}}$	Π		T	1:
26	SP3c	@ Surface			12/28/2012	1040		Π					Τ	Ē		· · .	ľX		-			1.				X	Π	X	T	1
26	SP	3c @ 2'	:*		12/28/2012	1045								\square	÷	·	X	Ĩ		Τ	:::					TX	\square	ХĪ	N	1
21	SP	3c @ 4'			12/28/2012	1050		√									R									X	\square			1
												ŀ	T		÷		17]
																					:	- · ·			ŀ	<u> </u>]
					:					ŀ								: .	:							·		ŀ		
pecial I Run	Instructions: 4' Samples fül d	for furth	e. v	are	ilysis, s	ionel Cl	, 	τŀ	<u>רן מ</u>	Δ	<i>o</i> su	.(+.	5		•				Lab Sarr VOC	orato ple C S Fre	ry Conta ie of	omn iners Hea	ients Inta dspa	s: cl?c ce?				N N		The Real Provide Street
	hed by: December of the second	Date Di 3 13	-OG	me ;45 me	Mrun	lfin	_		\rightarrow	<u></u>				11		13 0	Tim C	e ` <u>/</u> \$		ls on ody s ody s	<u>con</u> eals eals	on c on c on c	r(s) onta oole	iner(i(s)	s)					「「「「「「」」」」」
- IM	me her		0	8:4/	KAW	tt	15.0	4						1		13 8	5)	san U	by Sa	and mplei urier		nt Re	ep. ? 5	ÓHL C	(Fe	影) Star	San States - Ales
erinquis	nea by: 🗸				18hal	inel	<u>Υ</u>	γ	Ĵ	11	<u>)</u>			<u>I</u> Įį	<i>3</i> /Î	3 4		e	Tem	perat	ure (Jpon	Rec	eipt:	.	D,		5,Uc		10.00 Million (1997)



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 01/03/2013 02:11:00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 455034	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/ coole	er? 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 Custod	y? Yes	
#9 Any missing/extra samples?	No	
#10 Chain of Custody signed when relinquished/ rece	eived? 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 Co	ustody? 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, H2	2SO4? Yes	
#22 >10 for all samples preserved with NaAsO2+Na	OH, 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, Nul Ctr

Nicholas Straccione Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



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



CASE NARRATIVE

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



Project ID: (4 Work Order Number(s): 4

(RP-2580) 456251 Report Date: 30-JAN-13 Date Received: 01/23/2013

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 **XENCO** Laboratorics

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

Certificate of Analysis Summary 456251

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Wantz Compressor



Date Received in Lab: Wed Jan-23-13 03:43 pm

Report Date: 30-JAN-13

Project Manager: Nicholas Straccione

	Lab Id:	456251-0	001	456251-0	002	456251-	003			
Analysis Paguastad	Field Id:	S. Floo	or	N. Floc	or	Loadli	ne			
Anuiysis Kequesieu	Depth:									
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Jan-21-13 1	1:30	Jan-21-13 1	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 I	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	Extracted:	Jan-25-13 (00:47	Jan-25-13 (01:04	Jan-25-13	01:22			
SUB: E871002	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 1	17:30	Jan-28-13 1	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 0	08:35	Jan-28-13	08:35			
	Analyzed:	Jan-28-13 1	8:12	Jan-28-13 1	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			

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

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

Nul Ctr

Nicholas Straccione Project Manager

Page 5 of 17



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- **RL** Reporting Limit
- MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection
- PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation
- **DL** Method Detection Limit
- NC Non-Calculable
- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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

Certified and approved by numerous States and Agencies.

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

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West 1-20 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	



Project Name: Wantz Compressor

Vork Orders: 456251	,		Project II	D: (RP-2580)	I				
Lab Batch #: 905436	Sample: 456251-001 / SMP	001 / SMP Batch: 1 Matrix: Soil							
Units: mg/kg	Date Analyzed: 01/24/13 12:08	SU	RROGATE RI	ECOVERYS	STUDY				
ВТЕХ	K by EPA 8021B Analytes	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	Batel	h: l Matrix	:Soil					
Units: mg/kg	Date Analyzed: 01/24/13 12:41	SU	RROGATE RI	ECOVERYS	STUDY				
втех	X by EPA 8021B Analytes	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				
Lah Batch #: 905436	Sample: 456251-002 / SMP	Batc	h: Matrix	: Soil	<u> </u>				
Units: mg/kg	Date Analyzed: 01/24/13 12:58	SURROGATE RECOVERY STUDY							
ВТЕХ	X by EPA 8021B Analytes	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	Bate	h: 1 Matrix	:Soil	·				
Units: mg/kg	Date Analyzed: 01/28/13 18:12	SU	RROGATE RI	ECOVERY	STUDY				
ТРН І	3y SW8015 Mod Analytes	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	Bate	h: 1 Matrix	: Soil	<u> </u>				
Units: mg/kg	Date Analyzed: 01/28/13 18:39	SU	RROGATE RI	ECOVERY	STUDY				
ТРН І	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane	J			L					
-)	102	99.9	1 102	70-135				

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B



Project Name: Wantz Compressor

Vork Orders: 456251,			Project ID): (RP-2580)		
Lab Batch #: 905671	Sample: 456251-003 / SMP	Batch	n: 1 Matrix:	Soil		
Units: mg/kg	Date Analyzed: 01/28/13 19:05	SUI	RROGATE RE	COVERY 8	STUDY	
ТРН В	Sy SW8015 Mod Analytes	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 / B	LK Batcl	h: 1 Matrix:	Solid	<u>.</u>	
Units: mg/kg	Date Analyzed: 01/24/13 11:18	SU	RROGATE RE	COVERY	STUDY	
BTEX	by EPA 8021B Analytes	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		0.0231	0.0300	106	80-120	
Lah Batah #: 905671	Sample: 632981-1-BLK / B		L. 1 Matrix	Solid	<u> </u>	
Lab Batch #. 500071	Nate Analyzed: 01/28/13 11:24	SU:	RROGATE RF	COVERY	STUDY	
TPH E	By SW8015 Mod	Amount Found [A]	True Amount {B]	Recovery %R	Control Limits %R	Flags
	Analytes		• •	[D]		
1-Chlorooctane		102	100	102	70-135	
o-Terphenyl		55.4	50.1	111	70-135	
Lab Batch #: 905436	Sample: 632874-1-BKS / B	KS Batcl	h: 1 Matrix:	Solid		
Units: mg/kg	Date Analyzed: 01/24/13 11:01	SU	RROGATE RE	COVERY S	STUDY	
BTEX	K by EPA 8021B Analytes	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 / B	KS Batch	h: 1 Matrix:	Solid	<u>. </u>	
Units: mg/kg	Date Analyzed: 01/28/13 10:31	SU	RROGATE RF	COVERY	STUDY	. <u> </u>
ТРН В	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		96.8	100	97	70-135	
			4			4

* 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



Project Name: Wantz Compressor

Work Orders : 456251	,		Project ID): (RP-2580)					
Lab Batch #: 905436	Sample: 632874-1-BSD / B	SUBBOCATE DECOVERY STUDY							
Units: mg/kg	Date Analyzed: 01/24/13 10:27	SU	RROGATE RE		STUDY				
BTEX	K by EPA 8021B Analytes	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 / B	SD Batcl	h: 1 Matrix:	Solid					
Units: mg/kg	Date Analyzed: 01/28/13 10:58	SU	RROGATE RE	COVERYS	STUDY				
TPH	By SW8015 Mod Analytes	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	S Batcl	h: ¹ Matrix:	Soil		_			
Units: mg/kg	Date Analyzed: 01/24/13 16:35	SU	RROGATE RE	COVERY	STUDY				
BTE	X by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluorobenzene		0.0303	0.0300	101	80-120	<u></u>			
4-Bromofluorobenzene	¥n	0.0345	0.0300	115	80-120				
Lab Batch #: 905671	Sample: 456251-001 S / MS	5 Batcl	h: 1 Matrix:	Soil	·				
Units: mg/kg	Date Analyzed: 01/28/13 21:15	SU	RROGATE RE	COVERY	STUDY				
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		102	100	102	70-135				
o-Terphenyl		61.1	50.1	122	70-135				
Lab Batch #: 905436	Sample: 456220-002 SD / N	ASD Batc	h: ¹ Matrix:	Soil	•				
Units: mg/kg	Date Analyzed: 01/24/13 16:52	SU	RROGATE RE	COVERY	STUDY				
BTE	X by EPA 8021B Analytes	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


Form 2 - Surrogate Recoveries

Project Name: Wantz Compressor

Work Orders : 456251	• •		Project I	D: (RP-2580))	
Lab Batch #: 905671	Sample: 456251-001 SD / N	MSD Bate	h: 1 Matriy	k: Soil		
Units: mg/kg	Date Analyzed: 01/28/13 21:42	SU	RROGATE R	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			וחו		
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.





IJ

Project Name: Wantz Compressor

Work Order #: 456251		Pı	roject ID:		(1	RP-2580)
Lab Batch #: 905486	Sample: 632902	-1-BKS	Matrix	Solid		
Date Analyzed: 01/24/2013	Date Prepared: 01/24/2	013	Analyst	: RKO		
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	OVERY	STUDY
Inorganic Anions by EPA 300/300.	1 Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
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





Project Name: Wantz Compressor

Work Order #: 456251							Pro	ject ID: ((RP-2580)		
Analyst: KEB	Da	ate Prepar	ed: 01/24/201	13			Date A	nalyzed: 0)1/24/2013		
Lab Batch ID: 905436 Sample: 6328	,74-1-BKS	Batel	h #: 1					Matrix: S	Solid		
Units: mg/kg		BLAN	K/BLANK S	SPIKE / F	BLANK	PIKE DUP	LICATE !	RECOVF	ERY STUD	Ŷ	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate Result (Fl	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes						Kesun II j		Ļ'	<u> </u>	<u>ا</u> ــــــــــــــــــــــــــــــــــــ	
Benzene	<0.00100	0.100	0.0932	93	0.100	0.0822	82	13 /	70-130	35	<u> </u>
Toluene	<0.00200	0.100	0.0900	90	0.100	0.0808	81	<u> </u>	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	Da	ate Prepar	ed: 01/28/201	13			Date A	nalyzed: ()1/28/2013		
Lab Batch ID: 905671 Sample: 6329	81-1-BKS	Batcl	n #: 1					Matrix: S	Solid		
Units: mg/kg		BLAN!	K/BLANK S	SPIKE / F	JLANK S	PIKE DUP	LICATE]	RECOVF	ERY STUD	Ŷ	
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



Project Name: Wantz Compressor



Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative 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 \approx See Narrative, EQL \approx Estimated Quantitation Limit



Project Name: Wantz Compressor



Project ID: (RP-2580) Work Order #: 456251 Lab Batch ID: 905671 Matrix: Soil **QC- Sample ID:** 456251-001 S Batch #: 1 KEB Date Analyzed: 01/28/2013 Date Prepared: 01/28/2013 Analyst: Reporting Units: mg/kg MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY Parent Spiked Sample Spiked Duplicate Spiked Control Control **TPH By SW8015 Mod** Sample Spike Result Sample Spike Spiked Sample Dup. RPD Limits Limits Flag Result Added [C] %R Added Result [F] %R % %R %RPD Analytes [A] **[B]** [D] **[E]** [G] C6-C12 Gasoline Range Hydrocarbons 70-135 1060 1110 105 1050 1090 104 2 35 <15.8 C12-C28 Diesel Range Hydrocarbons 113 1050 1180 2 70-135 35 <15.8 1060 1200 112

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

Page 14 of 17



Sample Duplicate Recovery



Project Name: Wantz Compressor

Work Order #: 456251

Lab Batch #: 905649 Date Analyzed: 01/28/2013 17:30 QC- Sample ID: 456340-001 D	Date Prepared: 01/28/2013 Batch #: 1	3 Ana Mat	Project I lyst: WRU t rix: Soil	D: (RP-258)	0)
Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	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

Joel Lowry

Project Manager:

(Aluo

198

(lab

8

1.0

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

9. H

 α · · · · · · ·

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

•	12600 West I-20 Ea Odessa, Texas 797	ist 765	Ph F	one: 432-563 ax: 432-563
 			Project Name: Wantz (Compressor
		: :		<u> </u>
			Project #: (RP-258	0)

Company Name **Basin Environmental Service Technologies, LLC** RP-2580) Company Address: P.O. Box 301 Project Loc: Lea County, NM City/State/Zip: Lovington, NM 88260 PO #: Bill Southern Union Gas X Standard **Telephone No:** (575)396-2378 Fax No: (575) 396-1429 Report Format: Sampler Signature: pm@basinenv.com, rose.slade@SUG.com, cyndi.inskeep@sug.com e-mail: Analyze For: (lab use only) TCLP 72 hrs TOTAL Х **ORDER #:** 48, Preservation & # of Containers Matrix BTEX 8021B/5030 or BTEX 8260 letals: As Ag Ba'Cd Cr Pb Hg Se 24, 1006 Specify oth 8 S=Soll/Sc (Pre-Schedule) Anions (CI, SO4, Alkalinity) otal Dissolved Solids ¥ Na, K) **Beginning Depth** Time Sampled Total #. of Containe Date Sampled Standard TAT Ending Depth = Groundwal on-Potable Cations (Ca, Mg, SAR / ESP / CEC TX 1005 Specify CHLORIDES Fleld Filtered 418.1 Na₂S₂O₃ N.O.R.M. olatiles Other (H₂SO₄ HNO3 **VaOH** None Ë Ħ õ <u>6</u> ß õ 2 FIELD CODE 1/21/2013 1 X X S. Floor 1130 X Х X N. Floor 1/21/2013 Х 1200 1 Х X Х X Х X Loadline 1/21/2013 1230 1 X Special Instructions: Laboratory Comments:

			· · · · · · · · · · · · · · · · · · ·		VOCs Free of Headspace?
Relinquished by:	Date Time Rec 1/22/13 7:10 7	eived by: Mul Recon		Date Time 1.22.13 27.40	Labelsion container(s) Custody seals on container(s) Custody seals on cooler(s)
Refinquished by: Muse Rung	Date Time Rec 1.22.13/5.139	eived by: Imperlatelia	W	Date Time	Sample Hand Delivered A by Sampler/Client Rep ? by Course UPS DHL FedEx Lone Star
Relinquished by:	Date Time Ret	eived by ELOT:	Q	Date	



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 01/23/2013 03:43:00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 456251	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/ cool	ler? 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 Custoo	dy? Yes	
#9 Any missing/extra samples?	Νο	
#10 Chain of Custody signed when relinquished/ rec	ceived? 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 C	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, H	12SO4? Yes	
#22 >10 for all samples preserved with NaAsO2+Na	OH, 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

0

:

SUNDANCE SERVICES, Inc. P.O. Box 1737 Eunice, New Mexico 88231 (575) 394-2511 TICKET No. 233253	SUNDANCE SERVICES, PO. Box 1737 Eunice, New Mexico 88231 (575) 394-2511
LEASE OPERATOR/SHIPPER/COMPANY: 511/G	LEASE OPERATOR/SHIPPER/COMPANY: 5/1G
EASE NAME: 11. AIT 2 (11.1.1). ACTIVIT	TRANSPORTER COMPANY: TO SUN CHILL
DATE: 1.15.7/13 VEHICLE NO: S GENERATOR COMPANY LISE STOLE	DATE: 1- 15-2113 VEHICLE NO: 8
HARGE TO: 5// Cy RIG NAME AND NUMBER	CHARGE TO: 5/1/C7
	TYPE OF
I Production Water F Drilling Fluids [Rinsate	[] Production Water [] Dr
Tank Bottoms Contaminated Soil Jet Out	(I Tank Bottoms K) Co
I Solids I BS&W Content: I Call Out	1) Solids () BS
Description: //D	Description:
2011 P 11 2011 P 12 2011P 12 2011 P	RRC or API #
	VOLUME OF MATERIAL 18BLS.
TO TIME, 40 U.S.C. 5 690, et seq. THE MI HEALTH AND ARCUCYENT ACT OF 1976, AS ANDRENDED FROM TIME TO TIME, 40 U.S.C. 5 690, et seq. THE MI HEALTH AND SAF. CODE 5 61.001 et seq. AND REGULATIONS RELATED THERETO, BY URTUE 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	TO TIME, 40 U.S.C. 5 6901, et seq. THE NM HEALTH AND THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED D ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.: TICKET. TRANSPORTER REPRESENTS AND WARR, OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIV FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter loaded above described location, and that it was tendered by the
materials were added to this load, and that the material was delivered without incident. DRIVER: DRIVER: DRIVER: D. Sta C2112 FACILITY REPRESENTATIVE: GRANNES White - Sundance Canary - Sundance Acct #1 Pink - Transporter	C FACILITY REPRESENTATIVE: KGOWITSI White - Sundance Canary - Sun
	Re-order mont: rotalit shake Adventising

.

	P.O. Box 1737 Eunice, New (575) 394-251	VICES, Inc. Mexico 88231	TICKET No. 233229
LEASE OPERAT	OR/SHIPPER/COMPANY:	SUG	······
LEASE NAME:	luantz Cen	11 105501- Stat	12.51
TRANSPORTER	COMPANY: TIC SIIN	Emil.	TIME / : / 4 AN
DATE: 1- 15-	2113 VEHICLE NO:	R GENERAL	MAN'S NAME: KISP Slar
CHARGE TO:	SUG	RKS N AND	AME NULIBER
		TYPE OF MATERIAL	
、 、	Production Water I Trail Permanent	Drilling Fluids	[] Rinsate
)	1) Caller	F) Containinated Soli	L) Call Out
		l rs	
Descri	ption: le		ing hand a sea an
RRC or API #			C-133#
VOLUME OF M	ATERIAL BBLS		
AS A C TICKET, OI MATERIAL TO TIME, 4 THERETO, ASSOCIATI GEOTHERM	ATERIAL () BBLS ONDITION TO SUNDANCE SERV PERATORYSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE. 0 U.S.C. § 6901, et seq. THE NM BY URTUE OF THE EXEMPTION A DO WITH THE EXPLORATION, DE WAL ENERGY.	ICES, INC.'S ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OF	2 [1] WATERIALS SHIPPED WITH THIS JOE E MATERIAL SHIPPED HEREWITH IS FOR 1976, AS AMENDED FROM TIMI et seq., AND REGULATIONS RELATED JUCED WATERS, AND OTHER WASTI F CRUDE OIL OR NATURAL GAS OF
VOLUME OF M AS A C TICKET, OI MATERIAL TO TIME 4 THERETO, ASSOCIATI GEOTHER ALSO AS TICKET, T OPERATOF FACILITY F	ATERIAL () BBLS. ONDITION TO SUNDANCE SERV PERATORYSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE. (0 U.S.C. 6 6901, et seq. THE RM BY VIRTUE OF THE EXEMPTION , DY VIRTUE OF THE EXEMPTION , DY VIRTUE OF THE EXEMPTION , ALL ENERGY. A CONDITION TO SUNDANCE SE RANSPORTER REPRESENTS , OR DISPOSAL.	ICES, INC.'S ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVER'S AC HEALTH AND SAF. CODE \$ 361,001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OF ERVICES, INC.'S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT	ATERIALS SHIPPED WITH THIS JOU E MATERIAL SHIPPED HEREWITH IS E MATERIAL SHIPPED HEREWITH IS TOF 1976, AS MENDED FROM TIMI et seq. AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTI C RUDE OIL OR NATURAL GAS OF MATERIALS SHIPPED WITH THIS JOU THE MATERIAL DELIVERED B' ER TO SUNDANCE SERVICES, INC.
VOLUME OF M AS A C TICKET, OL MATERIAL TO TIME, 4 THERETO, ASSOCIATI GEOTHER/ ALSO AS TICKET. T OPERATO FACILITY F THIS WIL above desa materials	ATERIAL () BBLS ONDITION TO SUNDANCE SERV PERATORYSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE. (0 U.S.C. § 6901, et seq., THE NM BY VIRTUE OF THE EXEMPTION A BO WITH THE EXPLORATION, DI WAL ENERGY. A CONDITION TO SUNDANCE SE RANSPORTER REPRESENTS VSHIPPER TO TRANSPORTER IS OR DISPOSAL. L CERTIFY that the above Transg ribed location, and that it was te vere added to this load, and that it	ICES, INC:S ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OF EVELOPMENT OR PRODUCTION OF ERVICES, INC:S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT porter loaded the material represente endered by the above described shipp the material was delivered without in	MATERIALS SHIPPED WITH THIS JOE E MATERIAL SHIPPED WITH THIS JOE E MATERIAL SHIPPED HEREWITH I TO F 1976, AS AMENDED FROM TIMI et seq., AND REGULATIONS RELATED DUCED WATERS, AND OTHER WASTI F CRUDE OIL OR NATURAL GAS OF THE MATERIAL DELIVERED B ER TO SUNDANCE SERVICES, INC. Materials Statement at the Der. This will certify that no additional ciden.
VOLUME OF M AS A C TICKET, OL MATERIAL TO TIME, 4 THERETO, ASSOCIATI GEOTHER/ ALSO AS TICKET. T OPERATO FACILITY F THIS WIL above desa materiols w DRIVER:	ATERIAL () BBLS. ONDITION TO SUNDANCE SERV PERATORYSHIPPER REPRESENTS EXEMPT FROM THE RESOURCE. O U.S.C. § 6901, et seq., THE NM BY VIRTUE OF THE EXEMPTION A BO WITH THE EXPLORATION, DI WAL ENERGY. A CONDITION TO SUNDANCE SE RANSPORTER REPRESENTS VSHIPPER TO TRANSPORTER IS OR DISPOSAL. L CERTIFY that the above Transp ribed location, and that it was te were added to this load, and that I	ICES, INC:S ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361,001 AFFORDED DRILLING FLUIDS, PROI EVELOPMENT OR PRODUCTION OF EVELOPMENT OR PRODUCTION OF ERVICES, INC:S ACCEPTANCE OF THE AND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT porter loaded the material represente endered by the above described shipp the material was delivered without in	MATERIALS SHIPPED WITH THIS JOE E MATERIAL SHIPPED WITH THIS JOE E MATERIAL SHIPPED HEREWITH I TO F 1976, AS AMENDED FROM TIMI et seq. AND REGULATIONS RELATED DUCED WATERS, AND OTHER WAST F CRUDE OIL OR NATURAL GAS OF EMATERIALS SHIPPED WITH THIS JOE THE MATERIAL DELIVERED B ER TO SUNDANCE SERVICES, INC. Stab by this Transporter Statement at the per. This will certify that no additional cident.
VOLUME OF M. AS A C TICKET, OI MATERIAL TO TIME 4 THERETO, ASSOCIATI GEOTHER ALSO AS TICKET. T OPERATO FACILITY F THIS WILL above des materials DRIVER:	ATERIAL () BBLS ONDITION TO SUNDANCE SERV PERATOR/SHIPPER ATERPESENTS AUXING STATES AND AND AND AND AND AND EXAMPT FROM THE RESPONDED. OUS.C. 5 6901, et seq. THE NM BY URTUE OF THE EXEMPTION. DI MAL ENERGY. A CONDITION TO SUNDANCE SE AND AND AND AND AND AND AND AND AND AND ALL ENERGY. A CONDITION TO SUNDANCE SE AND AND AND AND AND AND AND AND AND AND	I YARD Z	ATERIALS SHIPPED WITH THIS JOI E MATERIALS SHIPPED WITH THIS JOI E MATERIAL SHIPPED HEREWITH II TOF 1976, AS AMENDED FROM TIMI et seq. AND REGULATIONS RELATED CRUDE OIL OR NATURAL GAS OI UCED WATERIAL DELIVERED B ER TO SUNDANCE SERVICES, INC: ad by this Transporter Statement at th per. This will certify that no additione cident.
VOLUME OF M. AS A C TICKET, OI MATERIAL TO TIME 4 THERETO, ASSOCIATI GEOTHER ALSO AS TICKET. T OPERATO FACILITY F THIS WIL above dex materials DRIVER:	ATERIAL () BBLS. ONDITION TO SUNDANCE SERV PERATOR/SHIPPER REPRESENTS EXEMPT FROM THE RESOURCE (0 U.S.C. 5 6901, et seq. THE NM BY URTUE OF THE EXEMPTION . ED WITH THE EXPLORATION, DI MAL ENERGY. A CONDITION TO SUNDANCE SE RANSPORTER REPRESENTS VSHIPPER TO TRANSPORTER IS OR DISPOSAL L CERTIFY that the above Transp ribed location, and that it was te were added to this load, and that I NEWLED	Inces, Inc.'s ACCEPTANCE OF THE I AND WARRANTS THAT THE WAST CONSERVATION AND RECOVER'I AC HEALTH AND SAF. CODE \$ 361,001 AFFORDED DATILLING FLUIDS, PROJ EVELOPMENT OR PRODUCTION OF EVELOPMENT OF EVELOPMENT OR PRODUCTION OF EVELOPMENT OF EV	ATERIALS SHIPPED WITH THIS JOU E MATERIALS SHIPPED WITH THIS JOU E MATERIAL SHIPPED HEREWITH II TOF 1976, AS AMENDED FROM TIMI et seq. AND REGULATIONS RELATED CUCED WATERS, AND OTHER WASTI F CRUDE OIL OR NATURAL GAS OF MATERIALS SHIPPED WITH THIS JOU THE MATERIAL DELIVERED B ER TO SUNDANCE SERVICES, INC. Material Delivered B ER TO SUNDANCE SERVICES, INC.

SUNDANCE SERVICES, Inc. PO. Box 1737 Eunice, New Mexico 88231 (575) 394-2511	SUNDANCE SERVICES, Inc. PO. Box 1737 Eunice. New Mexico 88231 (575) 394-2511 TICKET No. 233426
LEASE OPERATOR/SHIPPER/COMPANY: 5/1/5	LEASE OPERATOR/SHIPPER/COMPANY: 5/16
LEASE NAME: UNITZ ANIMAS STOTICA	LEASE NAME: 1111 + 2 11111- 5511- Station
TRANSPORTER COMPANY: KGSII EIIIII TIME/L:30 CAMPM	TRANSPORTER COMPANY: // SITTE SITTE THE CHAPTER COMPANY
DATE: 1.21-21.13 VEHICLE NO: 18 GENERATOR COMPANY KISS SANCE	DATE 1-21-22 3 VERICLE NO: 18 GENERAL RIJS- STALL
CHARGE TO: 5/1/6 RIG NAME - AND NUMBER	CHARGE TO: 5/1 Cy RIG NAME
	TYPE OF MATERIAL
	[] Production Water [] Drilling Fluids [] Rinsate
I Track Postcome I Contaminated Soil I I for Out	1) Tank Bottoms XI Contaminated Soil [] Jet Out
I Solide I BSEW Contact: I Solide I BSEW Contact: I I Solide	T [] Solids [] BS&W Content: [] Cell Out
Description L/D	Description:CID
	RRC or API # C-133#
TO TIME 40 U.S.C. 6 6001, et seq. THE NM HEALTH AND SAF. CODE 6 301.001 et seq. AND REGULATIONS RELATED TO TIME, 40 U.S.C. 6 6001, et seq. THE NM HEALTH AND SAF. CODE 6 301.001 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 MATERIAL SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORSHIPPER 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 fibration, 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:	TO TIME, 40 U.S.C. 5 6901, et seq., THE M HEALTH AND SAF. CODE 5 361,001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORED DRILLING RULDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXFLORATION, 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 lendered 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: REQUIRED FACILITY REPRESENTATIVE: SECURITION
White - Sundance Canary - Sundance Acct #1 Pink - Transporter	

	P.O. Box 1737 Eunice, New / (575) 394-2511	VICES, Inc. Mexico 88231	TICKET No. 233426
LEASE OPERATOR/	SHIPPER/COMPANY:	SIG	
LEASE NAME: /	61+2 PI1:	11-5511- Stall	1271
TRANSPORTER CO	MPANY: /ic. in	Summe	TIME 7: 3/ (ATT/P
DATE: 1-21-71	13 VEHICLE NO:	GENERAT	OR COMPANY 11 5- Stade
CHARGE TO:	SII G	FIG N AND	AME
		R	······································
		TYPE OF MATERIAL	
	 Production Water 	[] Drilling Fluids	[] Rinsate
<u>i</u>	 Tank Bottoms 	KI Contaminated Soll	[] Jet Out
	[] Solids	BS&W Content:	[] Call Out
Descriptio	n:C	D	
RC of API #			C-133#
VOLUME OF MATE	MAL (100L3.	(<) TARD_2_2_	· 1/
AS A CONE TICKET, OPEA, MATERIAL EXE TO TIME, 40 U. THERETO, BY \ ASSOCIATED \ GEOTHERMAL	DITION TO SUNDANCE SERVI ATORYSHIPPER REPRESENTS MPT FROM THE RESOURCE, C S.C. 5 6901, et seq. THE NM I RITUE OF THE EXEMPTION A MITH THE EXPLORATION, DE ENERGY.	CES, INC.'S ACCEPTANCE OF THE A AND WARRANTS THAT THE WASTI CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 FFORDED DAILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS T OF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED JUCED WATES, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR
AS A CONE TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY 1 ASSOCIATED 1 GEOTHERMAL ALSO AS A C TICKET. TRAN OPERATOR/SH FACILITY FOR	INTE (1005) DITION TO SUNDANCE SERVI ATORYSHIPPER REPRESENTS MPT FROM THE RESOURCE, C S.C. 5 6901, et seq., THE NM H RITUE OF THE EXEMPTION A MITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SEI USPORTER REPRESENTS – DISPOSAL.	CES, INC.'S ACCEPTANCE OF THE M AND WARRANTS THAT THE WASTI ONSERVATION AND RECOVERY AC- HEALTH AND SAF. CODE § 361.001 4 HFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:'S ACCEPTANCE OF THE IND WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORT	AATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME et seq., AND REGULATIONS RELATED JUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S
AS A CONE TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY ASSOCIATEO U. GEOTHERMAL ALSO AS A C TICKET. TRAN OPERATORYSH FACILITY FOR THIS WILL CL above describe materials were	DITION TO SUNDANCE SERVI ATOR/SHIPPER REPRESENTS MPT FROM THE RESOURCE, C S.C, \$ 6901, et seq. THE NM IRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SE ISPORTER REPRESENTS A INPER TO TRANSPORTER IS DISPOSAL ERTIFY that the above Transpe addet to this load, and that it was ten addet to this load, and that I	CES, INC:S ACCEPTANCE OF THE A AND WARRANTS THAT THE WASTI CONSERVATION AND RECOVERY ACC THEALTH AND SAF. CODE 9 361.001 1 FFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE NOW WARRANTS THAT ONLY NOW DELIVERED BY TRANSPORTI Orter loaded the material represente naterial was delivered without in	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS TO F 1976, AS AMENDED FROM TIME E seq., AND REQULATIONS RELATED JUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S d by this Transporter Statement at the ter. This will certify that no additional cident.
AS A CONE TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY ASSOCIATED \ GEOTHERMAL ALSO AS A C TICKET. TRAN- OPERATORY FACILITY FOR I THIS WILL CL above describe materials were DRIVER:	DITION TO SUNDANCE SERVI ATORSHIPPER REPRESENTS MPT FROM THE RESOURCE, C S.C. 5 6901, et seq. THE NM IRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SEI SPORTER REPRESENTS A IMPERT OT TRANSPORTER IS DISPOSAL. ERTIFY that the above Transp d location, and that it was ten added to this load, and that it	CES, INC:S ACCEPTANCE OF THE A AND WARRANTS THAT THE WASTI CONSERVATION AND RECOVERY AC HEALTH AND SAF. CODE § 361.001 0 KFORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE NOW DELIVERED BY TRANSPORTI ON DELIVERED BY TRANSPORTI Or ter loaded the material represente ndered by the above described shipp he material was delivered without in	AATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED WITH THIS JOB E MATERIAL SHIPPED WITH THIS IS EQ., AND REQULATIONS RELATED JUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC'S d by this Transporter Statement at the ere. This will certify that no additional cident.
AS A CONE TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY ASSOCIATED V GEOTHERMAL ALSO AS A C TICKET. TRAN OPERATOR/SH FACILITY FORI THIS WILL CL above describe materials were DRIVER: FACILITY REI	DITION TO SUNDANCE SERVI ATOR/SHIPPER REPRESENTS MPT FROM THE RESOURCE C SC 5 9509, i esq. THE NM IRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SE SPORTER REPRESENTS A IIPPER TO TRANSPORTER IS DISPOSAL. ERTIFY that the above Transp d location, and that it was ten added to this load, and that I STATES RESENTATIVE: DESENTATIVE:	CES, INC:S ACCEPTANCE OF THE A AND WARRANTS THAT THE WASTI ONSERVATION AND RECOVERY ACC TEALTH AND SAF. CODE 5 361.001 of VFEODED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE NOW DELIVERED BY TRANSPORTI ON DELIVERED BY TRANSPORTI Protect loaded the material represente indered by the above described shipp he material was delivered without in	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME te seq. AND REQULATIONS RELATED JUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC'S dby this Transporter Statement at the ser. This will certify that no additional cident.
AS A CONE TICKET, OPER, MATERIAL EXE TO TIME, 40 U. THERETO, BY Y ASSOCIATED V GEOTHEMAL ALSO AS A C TICKET. TRAN OPERATORYSH FACILITY FOR THIS WILL CI above describe materials were DRIVER: FACILITY REI	DITION TO SUNDANCE SERVI ATOR/SHIPPER REPRESENTS MPT FROM THE RESOURCE, C S.C. 5 6901, et seq. THE NM IRTUE OF THE EXEMPTION A WITH THE EXPLORATION, DE ENERGY. ONDITION TO SUNDANCE SE SPORTER REPRESENTS A INPER TO TRANSPORTER IS DISPOSAL. IRTIFY that the above Transp d location, and that it was ter addet to this load, and that it was set addet to this load, and that it was set addet to this load, and that it White - Sundance.	CES, INC:S ACCEPTANCE OF THE A AND WARRANTS THAT THE WASTI ONSERVATION AND RECOVERY ACC HEALTH AND SAF. CODE \$ 361.001 of VFEORDED DRILLING FLUIDS, PROD VELOPMENT OR PRODUCTION OF RVICES, INC:S ACCEPTANCE OF THE NOW DELIVERED BY TRANSPORTI ON DELIVERED BY TRANSPORTI Protect loaded the material represente indered by the above described shipp the material was delivered without in Canary - Sundance Acct #1	MATERIALS SHIPPED WITH THIS JOB E MATERIAL SHIPPED HEREWITH IS TOF 1976, AS AMENDED FROM TIME te seq. AND REQULATIONS RELATED JUCED WATERS, AND OTHER WASTE CRUDE OIL OR NATURAL GAS OR MATERIALS SHIPPED WITH THIS JOB THE MATERIAL DELIVERED BY ER TO SUNDANCE SERVICES, INC.'S dby this Transporter Statement at the eer. This will certify that no additional cident.

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: Artesta NM 88210	State of nergy Minerals	New Mexico and Natural Resources		ecei	VED Form C-141 Revised October 10, 2003	
District III 1000 Rio Brazos Road, Aztec, NM 87410	Oil Conser	vation Division	յ	UL 14:	Submit 2 Copies to appropriate	
District IV 1220 S. St. Francis Dr. Santa Ev. NM 87505	1220 South	St. Francis Dr.		with Rule 116 on back side of form		
	Santa Fe, NM 87505 HOBBSOLD					
Release Notification and Corrective Action						
		OPERATOR			al Report Final Report	
Address P.O. Box 1226 Ial 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	HAN 10075-38827			10/30-025-38822/	
Unit Letter Section Township Range Feet	from the North	South Line Feet from t	the East/V	Vest Line	County	
P 21 21S 37E					Lea	
	1		l			
Lat	itude 32.460170	6 Longitude 103.175	548		STR BO	
	NATURE	OF RELEASE		U		
Type of Release Crude Oil and Produced Water		Volume of Release	10 BBLS	Volume F	Recovered 2 BBLS	
Source of Release Truck Release		Date and Hour of Occu	rrence	Date and hily 7 20	Hour of Discovery	
Was Immediate Notice Given?		If YES. To Whom?				
Yes No	Not Required	1				
By Whom?		Date and Hour				
Was a Watercourse Reached?		If YES. Volume Impacting the Watercourse.				
If a Watercourse was Impacted Describe Fully *		<u> </u>				
				20'		
			WIK			
Describe Cause of Problem and Remedial Action Taken.* A hose on a 3 rd 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 polifications 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.						
	OIL CONSERVATION DIVISION					
Signature: Kose Allady	Inohuson					
Printed Name: Rose L. Slade		Approved by District Supervisor:				
Tille. EHS Compliance Specialist	Approval Date: 7.13.10 Expiration Date: 9.13.10					
E-mail Address. Pose. Slade esug.com		Conditions of Approval				
Date: 7/9/2010 Phone: 432	SUBMITFINAL C.	141 wto	DCS BA	IRP#10.7.2580		
Attach Additional Sheets If Necessary						

i 1 : .

n Los	1019129623
PLWJ	1019430032

HPP