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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report ☒ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Rose Slade
Address	801 S. Loop 464, Monahans, TX, 79756	Telephone No.	432-940-5147
Facility Name: Fullerton 14" (RP-1608) Lea County Field Dept.		Facility Type	Natural Gas Gathering

Surface Owner Southern Union Gas Services	Mineral Owner: Fee	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	36	21S	36E					Lea

Latitude N32 25.691 Longitude W103 12.721

NATURE OF RELEASE

Type of Release Natural Gas and Produced Water	Volume of Release 100 Bbls Fluid and 405 MCF Nat. Gas	Volume Recovered 65 Bbls
Source of Release 14" Natural Gas Pipeline	Date and Hour of Occurrence not known	Date and Hour of Discovery 9/24/07 Time: 9:03 a.m.
Was Immediate Notice Given? X Yes No Not Required	If YES, To Whom? Gary Wink On-Call NMOCD	
By Whom? Tony Savoie	Date and Hour: 9/24/01 9:41 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken:
A 14" Natural Gas gathering line operating at approximately 30 p.s.i. developed a leak. Repair crews arrived at the leak site with a vacuum truck and started containing and recovering the produced water. The leak area was excavated and the pipeline was repaired with a temporary leak clamp.

Describe Area Affected and Cleanup Action Taken. Approximately 4,184 sq. ft. of lease road and pipeline right-of-way was affected by the leak and temporary repair. Approximately 65 Bbls of produced water were recovered. Previous soil samples were collected at various locations within the spill site. The samples were analyzed for chloride and TPH, the results of which were submitted to the NMOCD

On or around October 1, 2007, remediation activities were conducted at the Fullerton 14" Release Site by an environmental contractor that is no longer affiliated with the site. On August 30, 2012, the site was revisited in an effort to determine if soil exhibiting benzene, BTEX, TPH and chloride concentrations above NMOCD regulatory standards remained in-situ and collect confirmation soil samples. Laboratory analytical reports from the confirmation soil samples suggested previous remediation activities met the requirements of the NMOCD.

Please see the attached Basin Environmental Services Technologies *Remediation Summary and Site Closure Request* for details of remedial activities and the site investigation.

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

Signature: Rose L Slade	OIL CONSERVATION DIVISION
Printed Name: Rose L. Slade	Approved by District Supervisor:
Title: EHS Compliance Specialist	Approval Date: Expiration Date:
E-mail Address: rose.slade@sug.com	Conditions of Approval:
Date: 10-18-12 Phone: 432-940-5147(cell)	IRP-1608 10/18/12

Geoffrey Leking
Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W Grand Avenue, Artesia, NM 88210
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Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Southern Union Gas Services, Ltd.	Contact	Tony Savoie
Address	P.O. Box 1226 Jal, N.M. 88252	Telephone No.	505-395-2116
Facility Name	Lea County Field Dept.	Facility Type	Natural Gas Gathering

Surface Owner: Southern Union Gas Services	Mineral Owner: Fee	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	36	21S	36E					Lea

Latitude N32 25.691 Longitude W103 12.721

NATURE OF RELEASE

Type of Release : Natural Gas and Produced water	Volume of Release: 100 Bbls Fluid and 405 MCF Nat. Gas	Volume Recovered 65 Bbls
Source of Release : 14" Natural Gas Pipeline	Date and Hour of Occurrence not known	Date and Hour of Discovery 9/24/07 Time: 9:03 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Gary Wink On-call NMOCD	
By Whom? Tony Savoie	Date and Hour: 9/24/07 9:41 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

OCT 2007 Received Hobbs OCD

Describe Cause of Problem and Remedial Action Taken.*
A 14" Natural Gas gathering line operating at approximately 30 p.s.i. developed a leak. Repair crews arrived at the leak site with a vacuum truck and started containing and recovering the produced water. The leak area was excavated and the 16" natural gas line was temporarily repaired with a leak clamp.

Describe Area Affected and Cleanup Action Taken. Approximately 4,184 sq.ft. of lease road and pipeline right-of-way was affected by the leak and temporary repair. Approximately 65 Bbls of produced water were recovered. Soil samples were collected at various locations within the spill site. The samples were analyzed for chloride and TPH, the analytical results are attached to this report. Final remediation will follow the NMOCD recommended guidelines for leaks and spills.

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: J. A. Savoie	OIL CONSERVATION DIVISION
Printed Name: John A. Savoie	Approved by District Supervisor: Johnson ENVIRONMENTAL ENGINEER
Title: Remediation Supervisor	Approval Date: 10.4.07 Expiration Date: 12.10.07
E-mail Address: tony.savoie@sug.com	Conditions of Approval: SUBMIT FINAL C-141 W/ DOCUMENTATION BY Attached ☐
Date: 10/4/07 Phone: 505-395-2116	

* Attach Additional Sheets If Necessary

RP# 1608

Basin Environmental Service Technologies, LLC

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

Effective Solutions

REMEDIATION SUMMARY &

SITE CLOSURE REQUEST

SOUTHERN UNION GAS SERVICES
FULLERTON 14-INCH (1RP-1608)
HISTORICAL RELEASE SITE
Lea County, New Mexico
Unit Letter "P" (SE/SE), Section 36, Township 21 South, Range 36 East
Latitude 32° 25.691' North, Longitude 103° 12.721' West
NMOCD Reference # 1RP-1608

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

October 2012

Joel W. Lowry
Project Manager

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Site Closure Request* for the Fullerton 14" Historical Release Site (1RP-1608). The legal description of the release site is Unit Letter "P" (SE/SE), Section 36, Township 21 South, Range 36 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 25.691' North latitude and 103° 12.721' West longitude. The property affected by the release is owned by Southern Union Gas Services. Please reference Figure 1 for a "Site Location Map".

On September 24, 2007, Southern Union discovered a release had occurred on the Fullerton 14" Pipeline. The "Release Notification and Corrective Action Form" (Form C-141) indicated failure of a section of fourteen-inch (14") low-pressure pipeline resulted in the release of approximately one hundred barrels (100 bbls) of fluid and four hundred and five (405) mcf of natural gas. During initial response activities the pipeline was shut in and a vacuum truck was utilized to recover approximately sixty-five barrels (65 bbls) of free-standing fluid. The affected section of pipeline was repaired with a leak clamp. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on September 24, 2007. The Form C-141 indicated the release affected approximately four thousand, one hundred eighty-four square feet (4,184 ft^2) of lease road and pipeline right-of-way. General photographs of the release site are provided as Appendix A. The Form C-141 is provided as Appendix C.

Previous remediation activities were conducted at the Fullerton 14" Release Site by an environmental contractor that is no longer affiliated with Southern Union. The nature and extent of the aforementioned activities remains unclear, as environmental reports and work records are not readily available.

On June 22, 2012, at the request of Southern Union, Basin assumed remediation responsibilities at the Fullerton 14" Historical Release Site.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 36, Township 21 South, Range 36 East. An inferred depth to groundwater reference map utilized by the NMOCD indicated groundwater should be encountered at approximately one hundred fifteen feet (115') below ground surface (bgs). Previous environmental records indicated the depth to groundwater is approximately one hundred twenty-six feet (126') bgs. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

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

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

NMOCD guidelines indicate the Fullerton 14" Historical Release Site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene and xylene (BTEX) – 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) – 5,000 mg/Kg (ppm)

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

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On October 1, 2007, four (4) soil samples (S-1 Surface, S-2 Surface, S-3 Surface and S-4 Surface) were collected from the release flowpath and pooling area. The soil samples were analyzed for concentrations of TPH and chloride. Chloride concentrations ranged from 42.5 mg/Kg for soil sample S-3 Surface to 468 mg/Kg for soil sample S-4 Surface. Laboratory analytical results and previous field notes suggest soil was not impacted beyond ten inches (10") bgs in the release flowpath. 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 August 30, 2012, Basin responded to the Fullerton 14" Historical Release Site. A hang-auger was utilized to advance a series of soil bores at the release point and within the inferred flowpath in an effort to determine if impacted soil containing BTEX, TPH and chloride concentrations above NMOCD regulatory standards remained in-situ.

Soil bore "R.P" was advanced to approximately two feet (2') bgs at the release point. During the advancement of the soil bore, two (2) soil samples (R.P.a and R.P.b) were collected and submitted to Permian Basin Environmental Lab of Midland, Texas, for determination of BTEX, TPH and chloride concentrations in accordance with EPA Methods SW 846-8021B, SW 846-8015M and 300.0, respectively. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory method detection limit (MDL) for each of the soil samples submitted. Analytical results indicated TPH concentrations ranged from less than the appropriate laboratory MDL for soil sample R.P.a to 453 mg/Kg for soil sample R.P.b. Chloride concentrations ranged from 37.5 mg/Kg for soil sample R.P.a to 96.0 mg/Kg for soil sample R.P.b.

Soil bore "S.P #4" was located approximately one thousand feet (1000') southeast of the release point within the inferred terminus of the release flowpath. The soil boring was advanced to approximately two feet (2') bgs. During the advancement of the soil bore, two (2) soil samples (S.P. #4a and S.P. #4b) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Analytical results indicated TPH concentrations were less than the laboratory MDL for each of the soil samples submitted. Chloride concentrations ranged from 839 mg/Kg for soil sample S.P. #4b to 855 mg/Kg for soil

sample S.P. #4a. Based on laboratory analytical results, further delineation would be required in the area defined by soil samples S.P. #4a and S.P. #4b.

Soil bore "S.P #5" was located approximately one hundred twenty feet (120') northwest of S.P. #4 within the release flowpath. The soil boring was advanced to approximately two feet (2') bgs. During the advancement of the soil bore, two (2) soil samples (S.P. #5a and S.P. #5b) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Analytical results indicated BTEX concentrations ranged from less than the laboratory MDL for soil sample S.P. #5b to 0.00651 mg/Kg for soil sample S.P. #5a. Analytical results indicated TPH concentrations ranged from less than the laboratory MDL for soil sample S.P. #5a to 21.3 mg/Kg for soil sample S.P. #5b. Chloride concentrations ranged from 4.56 mg/Kg for soil sample S.P. #5a to 80.6 mg/Kg for soil sample S.P. #5b.

Soil bore "S.P #6" was located approximately one hundred feet (100') northwest of S.P. #5 within the release flowpath. The soil boring was advanced to approximately two feet (2') bgs. During the advancement of the soil bore, two (2) soil samples (S.P. #6a and S.P. #6b) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Chloride concentrations ranged from 1.00 mg/Kg for soil sample S.P. #6a to 1.88 mg/Kg for soil sample S.P. #6b.

Soil bore "S.P #7" was located approximately one hundred feet (100') northwest of S.P. #6 within the release flowpath. The soil boring was advanced to approximately two feet (2') bgs. During the advancement of the soil bore, two (2) soil samples (S.P. #7a and S.P. #7b) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Chloride concentrations ranged from less than the laboratory MDL for soil sample S.P. #7b to 7.57 mg/Kg for soil sample S.P. #7a.

Soil bore "S.P #8" is located approximately one hundred feet (400') northwest of S.P. #7 within the release flowpath. The soil boring was advanced to approximately two feet (2') bgs. During the advancement of the soil bore, two (2) soil samples (S.P #8a and S.P. #8b) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Analytical results indicated TPH concentrations were less than the appropriate laboratory MDL for each of the soil samples submitted. Chloride concentrations ranged from 2.87 mg/Kg for soil sample S.P. #8a to 13.6 mg/Kg for soil sample S.P. #8b.

On September 31, 2012, delineation activities resumed at the Fullerton 14" Historical Release site in the area defined by soil samples R.P. #4a and R.P. #4b. The soil boring was advanced to approximately ten feet (10') bgs. During the advancement of the soil boring, select soil samples were field-screened using a photo-ionization detector (PID) and chloride field test kit. One (1) soil sample (S.P. #4c) was collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate

laboratory MDL. Analytical results indicated the TPH concentration was less than the appropriate laboratory MDL. The chloride concentration was 33.0 mg/Kg.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Permian Basin Environmental Lab, of Midland, 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 300.0

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

Laboratory analytical results from confirmation soil samples collected from the six (6) on-site soil borings indicated concentrations of benzene, BTEX, TPH and chloride were less than NMOCD regulatory remediation action levels. Based on these laboratory analytical results, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Site Closure Request* and request the NMOCD grant site closure to the Fullerton 14" Historical Release Site.

6.0 LIMITATIONS

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

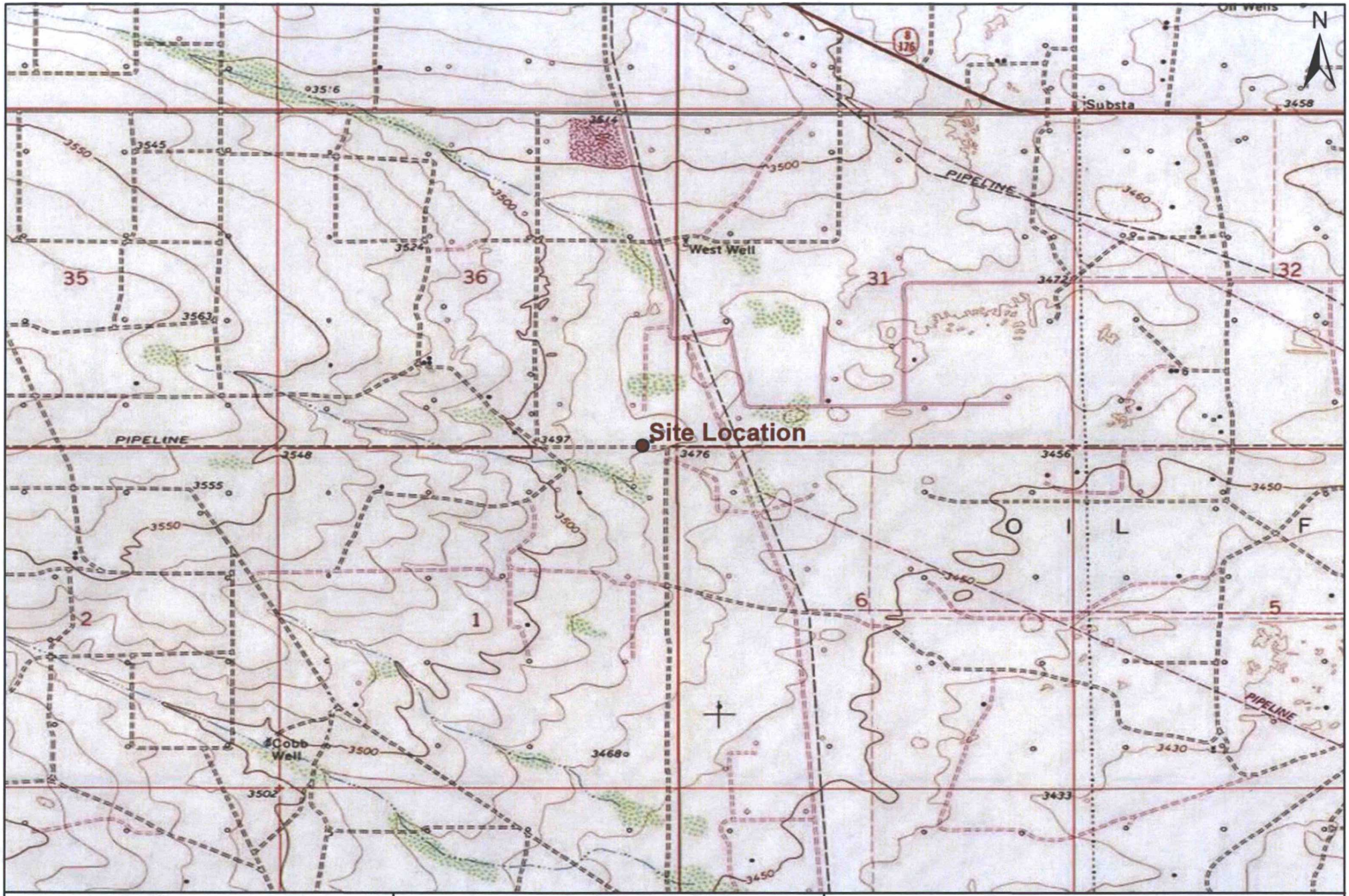
This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

7.0 DISTRIBUTION

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

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

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



1,000500 0 1,000 2,000

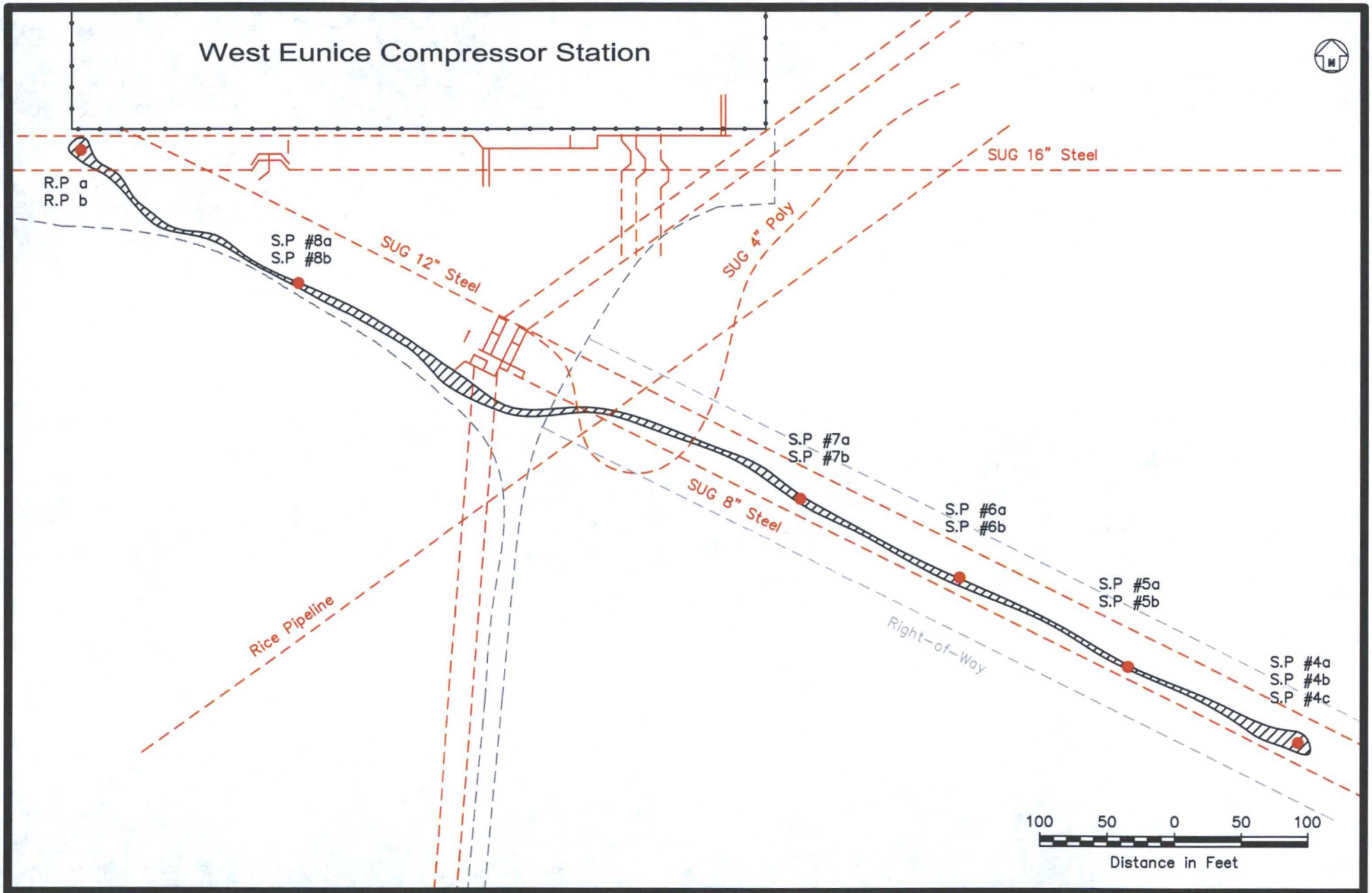
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
Fullerton 14-Inch
Lea County, New Mexico
NMOCD Reference #: 1RP-1608

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: JWL
September 26, 2012	Scale: 1" = 2000'



Legend

- Sample Location
- Pipeline
- Buried Pipeline
- Road
- Fence
- Flowpath

Figure 2
Site & Sample Location Map
Southern Union Gas Services
Fullerton 14"
NMOCD Ref RP-1608
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL	Checked By: BJA
September 5, 2012	Scale 1"=100'

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
FULLERTON 14"
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCD REF# 1RP-1608

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C_6-C_{35} (mg/Kg)	METHOD: E300.0
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)		CHLORIDE (mg/Kg)
S-1 Surface	Surface	10/1/2007	In-Situ	-	-	-	-	-	<12.4	19.5	<12.4	19.5	394*
S-2 Surface	Surface	10/1/2007	In-Situ	-	-	-	-	-	<11.3	33.9	<11.3	33.9	63.8*
S-3 Surface	Surface	10/1/2007	In-Situ	-	-	-	-	-	<11.1	17.0	<11.1	17.0	42.5*
S-4 Surface	Surface	10/1/2007	In-Situ	-	-	-	-	-	<11.3	38.4	<11.3	38.4	468*
R.P. a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.5	<15.5	<15.5	<15.5	37.5
R.P. b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	64.3	298	90.9	453	96.0
S.P. #4 a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.0	<16.0	<16.0	<16.0	855
S.P. #4 b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.0	<16.0	<16.0	<16.0	839
S.P. #5 a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	0.00119	0.00532	0.00651	<15.0	<15.0	<15.0	<15.0	4.56
S.P. #5 b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	21.3	<15.6	<15.6	21.3	80.6
S.P. #6 a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	1.00
S.P. #6 b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.8	<15.8	<15.8	<15.8	1.88
S.P. #7 a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.0	<16.0	<16.0	<16.0	7.57
S.P. #7 b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.2	<15.2	<15.2	<15.2	<1.01
S.P. #8 a	Surface	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.3	<15.3	<15.3	<15.3	2.87
S.P. #8 b	2'	8/30/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.0	<16.0	<16.0	<16.0	13.6
S.P. #4 c	10'	8/31/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.6	<15.6	<15.6	<15.6	33.0
NMOCD Standard				**10**				**50**				**5,000**	**1,000**

- = Not analyzed.

* Denotes results by EPA Method 325.3

Photograph of initial release at the Fullerton 14" Historical Release Site.

Photograph of initial release and affected right-of-way at the Fullerton 14" Historical Release Site.

Photograph the affected right-of-way at the Fullerton 14" Historical Release Site.

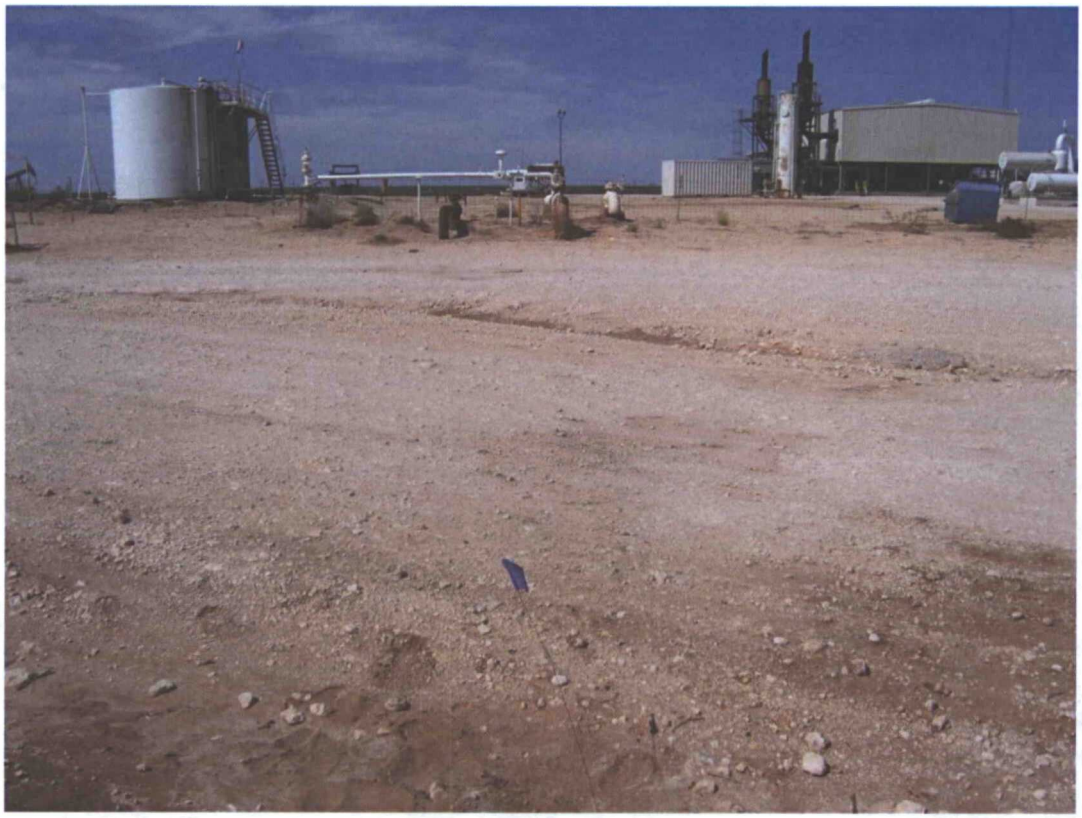
Photograph the affected right-of-way at the Fullerton 14" Historical Release Site.

Photograph of the advancement of soil boring S.P #4 at the Fullerton 14" Historical Release Site.

Photograph of sample point "S.P. #5" at the Fullerton 14" Historical Release Site.

Photograph of sample point "S.P. #6" at the Fullerton 14" Historical Release Site.

Photograph of sample point "S.P. #7" at the Fullerton 14" Historical Release Site.



Photograph of sample point "S.P. #8" at the Fullerton 14" Historical Release Site.

Photograph of sample point "R.P." at the Fullerton 14" Historical Release Site.

Analytical Report 290603

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Fullerton/West Eunice

2007-049

03-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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

XENCO Laboratories

03-OCT-07

Project Manager: **Tony Savoie**
Southern Union Gas Services-Jal
610 Commerce
Jal, NM 88252

Reference: XENCO Report No: **290603**
Fullerton/West Eunice
Project Address: West of Eunice NM

Tony Savoie:

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 290603. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 290603 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

Sample Cross Reference 290603

Southern Union Gas Services-Jal, Jal, NM

Fullerton/West Eunice

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1 Surface	S	Oct-01-07 07:20		290603-001
S-2 Surface	S	Oct-01-07 07:22		290603-002
S-3 Surface	S	Oct-01-07 07:25		290603-003
S-4 Surface	S	Oct-01-07 07:30		290603-004

Certificate of Analysis Summary 290603

Southern Union Gas Services-Jal, Jal, NM

Project Name: Fullerton/West Eunice

Project Id: 2007-049
Contact: Tony Savoie
Project Location: West of Eunice NM

Date Received in Lab: Tue Oct-02-07 02:15 pm
Report Date: 03-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	290603-001		290603-002		290603-003		290603-004					
	Field Id:	S-1 Surface		S-2 Surface		S-3 Surface		S-4 Surface					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Oct-01-07 07:20		Oct-01-07 07:22		Oct-01-07 07:25		Oct-01-07 07:30					
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-02-07 15:10		Oct-02-07 15:10		Oct-02-07 15:10		Oct-02-07 15:15					
	Units/RL:	%	RL	%	RL	%	RL	%	RL				
Percent Moisture		19.4	1.00	11.6	1.00	9.64	1.00	11.2	1.00				
TPH by SW8015 Mod	*Extracted:*	Oct-02-07 15:15		Oct-02-07 15:15		Oct-02-07 15:15		Oct-02-07 15:15					
	Analyzed:	Oct-02-07 19:29		Oct-02-07 19:54		Oct-02-07 20:19		Oct-02-07 20:44					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	12.4	ND	11.3	ND	11.1	ND	11.3				
C12-C28 Diesel Range Hydrocarbons		19.5	12.4	33.9	11.3	17.0	11.1	38.4	11.3				
C28-C35 Oil Range Hydrocarbons		ND	12.4	ND	11.3	ND	11.1	ND	11.3				
Total TPH		19.5		33.9		17		38.4					
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-02-07 15:00		Oct-02-07 15:00		Oct-02-07 15:00		Oct-02-07 15:00					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		394	5.00	63.8	5.00	42.5	5.00	468	5.00				

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

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

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.

* Outside XENCO'S scope of NELAC Accreditation

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Fullerton/West Eunice

Work Order #: 290603 **Project ID:** 2007-049

Lab Batch #: 705612 **Sample:** 290603-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.7	50.0	75	70-135	
1-Chlorooctane	39.4	50.0	79	70-135	

Lab Batch #: 705612 **Sample:** 290603-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.1	50.0	76	70-135	
1-Chlorooctane	48.5	50.0	97	70-135	

Lab Batch #: 705612 **Sample:** 290603-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.0	50.0	84	70-135	
1-Chlorooctane	53.5	50.0	107	70-135	

Lab Batch #: 705612 **Sample:** 290603-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	46.6	50.0	93	70-135	
1-Chlorooctane	45.9	50.0	92	70-135	

Lab Batch #: 705612 **Sample:** 290603-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.9	50.0	80	70-135	
1-Chlorooctane	41.0	50.0	82	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Fullerton/West Eunice

Work Order #: 290603 **Project ID:** 2007-049

Lab Batch #: 705612 **Sample:** 290603-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	41.3	50.0	83	70-135	
1-Chlorooctane	40.6	50.0	81	70-135	

Lab Batch #: 705612 **Sample:** 500026-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.5	50.0	77	70-135	
1-Chlorooctane	49.0	50.0	98	70-135	

Lab Batch #: 705612 **Sample:** 500026-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.3	50.0	79	70-135	
1-Chlorooctane	40.0	50.0	80	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Blank Spike Recovery

Project Name: Fullerton/West Eunice

Work Order #: 290603 **Project ID:** 2007-049

Lab Batch #: 705612 **Sample:** 500026-1-BKS **Matrix:** Solid

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** SHE

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

TPH by SW8015 Mod Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
C6-C12 Gasoline Range Hydrocarbons	ND	500	473	95	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	500	494	99	70-135	

Lab Batch #: 705533 **Sample:** 705533-1-BKS **Matrix:** Solid

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** LATCOR

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

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	95.7	96	75-125	

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

Form 3 - MS / MSD Recoveries

Project Name: Fullerton/West Eunice

Work Order # : 290603 **Project ID:** 2007-049

Lab Batch ID: 705612 **QC- Sample ID:** 290603-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/03/2007 **Date Prepared:** 10/02/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	621	605	97	621	670	108	11	70-135	35	
C12-C28 Diesel Range Hydrocarbons	19.5	621	606	94	621	673	105	11	70-135	35	

Lab Batch ID: 705533 **QC- Sample ID:** 290562-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** LATCOR

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	138	1000	1150	101	1000	1170	103	2	75-125	30	

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

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Fullerton/West Eunice

Work Order #: 290603

Lab Batch #: 705554 **Project ID:** 2007-049

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** RBA

QC- Sample ID: 290564-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.34	2.94	13	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Tony Savoie
Company Name: Southern Union Gas Services
Company Address: 610 Commerce, P.O. Box 1226
City/State/Zip: Jal, New Mexico 88252
Telephone No: 505-631-9376
Fax No:
Sampler Signature: Tony Savoie
e-mail: tony.savoie@SUG.com

Project Name: Fullerton/West Eunice
Project #: 2007-049
Project Loc: West of Eunice NM
PO #: 61063
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 290603

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	S-1 Surface			10/1/07	0720	1	✓								SoiL	✓		✓								✓	
02	S-2 "			"	0722	1	✓								"	✓		✓								✓	
03	S-3 "			"	0725	1	✓								"	✓		✓								✓	
04	S-4 "			"	0730	1	✓								"	✓		✓								✓	

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Tony Savoie	10/2/07	0550	Don Green	10-2-07	0550
Relinquished by:	Date	Time	Received by	Date	Time
Don Green	10-2-07	14:15	Received by ELOT: [signature]	10/2/07	14:15

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Custody seals on container(s) Y (N)
Custody seals on cooler(s) Y (N)
Sample Hand Delivered (Y) N
by Sampler/Client Rep.? (Y) N
by Courier? UPS DHL FedEx Lone Star
4oz glass amber
Temperature Upon Receipt: 0.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: S.U.G.S.

Date/ Time: 10.3.07 2.15

Lab ID #: 290603

Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	( ) °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	(Yes)	No	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Joel Lowry

Basin Environmental Services

P.O. Box 301

Lovington, NM 88260

Project: Fullerton 14 in (RP-1608)

Project Number: SUG Historical Releases

Location: Lea County, New Mexico

Lab Order Number: 2I05002

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704156-12-1

Report Date: 09/07/12

Basin Environmental Services
P.O. Box 301
Lovington NM, 88260

Project: Fullerton 14 in (RP-1608)
Project Number: SUG Historical Releases
Project Manager: Joel Lowry

Fax: (505) 396-1429

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R.P.a	2I05002-01	Soil	08/30/12 09:00	09-04-2012 17:12
R.P. b	2I05002-02	Soil	08/30/12 09:10	09-04-2012 17:12
S.P. #4 a	2I05002-03	Soil	08/30/12 09:40	09-04-2012 17:12
S.P. #4 b	2I05002-04	Soil	08/30/12 09:50	09-04-2012 17:12
S.P. #5 a	2I05002-05	Soil	08/30/12 10:10	09-04-2012 17:12
S.P. #5 b	2I05002-06	Soil	08/30/12 10:20	09-04-2012 17:12
S.P. #6 a	2I05002-07	Soil	08/30/12 10:40	09-04-2012 17:12
S.P. #6 b	2I05002-08	Soil	08/30/12 11:00	09-04-2012 17:12
S.P. #7 a	2I05002-09	Soil	08/30/12 11:20	09-04-2012 17:12
S.P. #7 b	2I05002-10	Soil	08/30/12 11:40	09-04-2012 17:12
S.P. #8 a	2I05002-11	Soil	08/30/12 13:20	09-04-2012 17:12
S.P. #8 b	2I05002-12	Soil	08/30/12 13:30	09-04-2012 17:12

Basin Environmental Services	Project: Fullerton 14 in (RP-1608)	Fax: (505) 396-1429
P.O. Box 301	Project Number: SUG Historical Releases	
Lovington NM, 88260	Project Manager: Joel Lowry	

Organics by GC

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
R.P.a (2I05002-01) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*75-125*		"	"	"	"	
C6-C12	ND	15.5	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	ND	15.5	"	"	"	"	"	"	
>C28-C35	**ND**	15.5	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.5	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.2 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*70-130*		"	"	"	"	
R.P. b (2I05002-02) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	
C6-C12	**64.3**	16.5	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	**298**	16.5	"	"	"	"	"	"	
>C28-C35	**90.9**	16.5	"	"	"	"	"	"	
Total Hydrocarbons	**453**	16.5	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*113 %*	*70-130*		"	"	"	"	
S.P. #4 a (2I05002-03) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*98.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		"	"	"	"	
C6-C12	**ND**	16.0	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	

Organics by GC

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #4 a (2I05002-03) Soil									
>C12-C28	ND	16.0	mg/kg dry	1	EI20707	09/05/12	09/05/12	EPA 8015M	
>C28-C35	**ND**	16.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	16.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.2 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*109 %*	*70-130*		"	"	"	"	
S.P. #4 b (2I05002-04) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*99.0 %*	*75-125*		"	"	"	"	
C6-C12	**ND**	16.0	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	**ND**	16.0	"	"	"	"	"	"	
>C28-C35	**ND**	16.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	16.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.3 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*107 %*	*70-130*		"	"	"	"	
S.P. #5 a (2I05002-05) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	**0.00119**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00405**	0.00200	"	"	"	"	"	"	
Xylene (o)	**0.00127**	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*97.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		"	"	"	"	
C6-C12	**ND**	15.0	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	ND	15.0	"	"	"	"	"	"	
>C28-C35	**ND**	15.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*109 %*	*70-130*		"	"	"	"	

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Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #5 b (2I05002-06) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*98.2 %*	*75-125*		"	"	"	"	
C6-C12	**21.3**	15.6	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	**ND**	15.6	"	"	"	"	"	"	
>C28-C35	**ND**	15.6	"	"	"	"	"	"	
Total Hydrocarbons	**21.3**	15.6	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.0 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*103 %*	*70-130*		"	"	"	"	
S.P. #6 a (2I05002-07) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.3 %*	*75-125*		"	"	"	"	
C6-C12	ND	15.0	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	ND	15.0	"	"	"	"	"	"	
>C28-C35	**ND**	15.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.1 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*113 %*	*70-130*		"	"	"	"	
S.P. #6 b (2I05002-08) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*75-125*		"	"	"	"	
C6-C12	ND	15.8	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #6 b (2I05002-08) Soil									
>C12-C28	ND	15.8	mg/kg dry	1	EI20707	09/05/12	09/05/12	EPA 8015M	
>C28-C35	**ND**	15.8	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.8	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*107 %*	*70-130*		"	"	"	"	
S.P. #7 a (2I05002-09) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	
C6-C12	ND	16.0	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	**ND**	16.0	"	"	"	"	"	"	
>C28-C35	**ND**	16.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	16.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*115 %*	*70-130*		"	"	"	"	
S.P. #7 b (2I05002-10) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*97.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		"	"	"	"	
C6-C12	ND	15.2	mg/kg dry	"	EI20707	09/05/12	09/05/12	EPA 8015M	
>C12-C28	**ND**	15.2	"	"	"	"	"	"	
>C28-C35	**ND**	15.2	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.2	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*112 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #8 a (2I05002-11) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*97.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	
C6-C12	**ND**	15.3	mg/kg dry	"	EI20707	09/05/12	09/06/12	EPA 8015M	
>C12-C28	**ND**	15.3	"	"	"	"	"	"	
>C28-C35	**ND**	15.3	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.3	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*106 %*	*70-130*		"	"	"	"	
S.P. #8 b (2I05002-12) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20704	09/05/12	09/05/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*75-125*		"	"	"	"	
C6-C12	ND	16.0	mg/kg dry	"	EI20707	09/05/12	09/06/12	EPA 8015M	
>C12-C28	ND	16.0	"	"	"	"	"	"	
>C28-C35	**ND**	16.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	16.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.3 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*98.9 %*	*70-130*		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
R.P.a (2I05002-01) Soil									
Chloride	**37.5**	1.03	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**3.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
R.P. b (2I05002-02) Soil									
Chloride	**96.0**	2.75	mg/kg dry wt. dry	2.5	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	EI20701	09/06/12	09/07/12	% calculation	
S.P. #4 a (2I05002-03) Soil									
Chloride	**855**	2.66	mg/kg dry wt. dry	2.5	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	EI20701	09/06/12	09/07/12	% calculation	
S.P. #4 b (2I05002-04) Soil									
Chloride	**839**	2.66	mg/kg dry wt. dry	2.5	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	EI20701	09/06/12	09/07/12	% calculation	
S.P. #5 a (2I05002-05) Soil									
Chloride	**4.56**	1.00	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	ND	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #5 b (2I05002-06) Soil									
Chloride	**80.6**	1.04	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**4.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #6 a (2I05002-07) Soil									
Chloride	**1.00**	1.00	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	ND	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #6 b (2I05002-08) Soil									
Chloride	**1.88**	1.05	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**5.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #7 a (2I05002-09) Soil									
Chloride	**7.57**	1.06	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**6.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #7 b (2I05002-10) Soil									
Chloride	ND	1.01	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**1.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #8 a (2I05002-11) Soil									
Chloride	**2.87**	1.02	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**2.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	
S.P. #8 b (2I05002-12) Soil									
Chloride	**13.6**	1.06	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**6.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	

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Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20703 - General Preparation (GC)										
Blank (EI20703-BLK1)				Prepared & Analyzed: 09/06/12						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*57.5*		*ug/kg*	*60.0*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*63.8*		*"*	*60.0*		*106*	*75-125*			
LCS (EI20703-BS1)				Prepared & Analyzed: 09/06/12						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.108	0.00200	"	0.100		108	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0970	0.00100	"	0.100		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	*55.3*		*ug/kg*	*60.0*		*92.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*63.8*		*"*	*60.0*		*106*	*75-125*			
LCS Dup (EI20703-BSD1)				Prepared & Analyzed: 09/06/12						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120	1.94	20	
Toluene	0.108	0.00200	"	0.100		108	80-120	0.00	20	
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120	0.976	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120	1.90	20	
Xylene (o)	0.0959	0.00100	"	0.100		95.9	80-120	1.14	20	
Surrogate: 1,4-Difluorobenzene	*54.9*		*ug/kg*	*60.0*		*91.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*63.3*		*"*	*60.0*		*106*	*75-125*			
Matrix Spike (EI20703-MS1)	**Source: 2I05002-10**			Prepared & Analyzed: 09/06/12						
Benzene	0.0751	0.00100	mg/kg dry	0.101	ND	74.4	80-120			QM-05
Toluene	0.0830	0.00200	"	0.101	ND	82.2	80-120			
Ethylbenzene	0.0745	0.00100	"	0.101	ND	73.8	80-120			QM-05
Xylene (p/m)	0.150	0.00200	"	0.202	ND	74.3	80-120			QM-05
Xylene (o)	0.0704	0.00100	"	0.101	ND	69.7	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*66.5*		*ug/kg*	*60.0*		*111*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*58.1*		*"*	*60.0*		*96.8*	*75-125*			

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Organics by GC - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20703 - General Preparation (GC)										
Matrix Spike Dup (EI20703-MSD1)	**Source: 2I05002-10**			Prepared & Analyzed: 09/06/12						
Benzene	0.0743	0.00100	mg/kg dry	0.101	ND	73.6	80-120	1.08	20	QM-05
Toluene	0.0805	0.00200	"	0.101	ND	79.7	80-120	3.09	20	QM-05
Ethylbenzene	0.0713	0.00100	"	0.101	ND	70.6	80-120	4.43	20	QM-05
Xylene (p/m)	0.142	0.00200	"	0.202	ND	70.3	80-120	5.53	20	QM-05
Xylene (o)	0.0667	0.00100	"	0.101	ND	66.0	80-120	5.45	20	QM-05
Surrogate: 1,4-Difluorobenzene	*57.0*		*ug/kg*	*60.0*		*95.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*65.6*		*"*	*60.0*		*109*	*75-125*			
Batch EI20704 - General Preparation (GC)										
Blank (EI20704-BLK1)				Prepared & Analyzed: 09/05/12						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*62.3*		*ug/kg*	*60.0*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*57.9*		*"*	*60.0*		*96.5*	*75-125*			
LCS (EI20704-BS1)				Prepared & Analyzed: 09/05/12						
Benzene	0.0909	0.00100	mg/kg wet	0.100		90.9	80-120			
Toluene	0.102	0.00200	"	0.100		102	80-120			
Ethylbenzene	0.0977	0.00100	"	0.100		97.7	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.0	80-120			
Xylene (o)	0.0914	0.00100	"	0.100		91.4	80-120			
Surrogate: 4-Bromofluorobenzene	*64.3*		*ug/kg*	*60.0*		*107*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*58.7*		*"*	*60.0*		*97.8*	*75-125*			

Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20704 - General Preparation (GC)										
LCS Dup (EI20704-BSD1)				Prepared & Analyzed: 09/05/12						
Benzene	0.0904	0.00100	mg/kg wet	0.100		90.4	80-120	0.552	20	
Toluene	0.101	0.00200	"	0.100		101	80-120	0.985	20	
Ethylbenzene	0.0969	0.00100	"	0.100		96.9	80-120	0.822	20	
Xylene (p/m)	0.197	0.00200	"	0.200		98.5	80-120	0.506	20	
Xylene (o)	0.0916	0.00100	"	0.100		91.6	80-120	0.219	20	
Surrogate: 1,4-Difluorobenzene	*57.8*		*ug/kg*	*60.0*		*96.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*64.5*		*"*	*60.0*		*108*	*75-125*			
Matrix Spike (EI20704-MS1)		**Source: 2I05002-01**		Prepared & Analyzed: 09/05/12						
Benzene	0.0605	0.00100	mg/kg dry	0.103	ND	58.7	80-120			QM-05
Toluene	0.0553	0.00200	"	0.103	ND	53.7	80-120			QM-05
Ethylbenzene	0.0468	0.00100	"	0.103	ND	45.4	80-120			QM-05
Xylene (p/m)	0.0890	0.00200	"	0.206	ND	43.2	80-120			QM-05
Xylene (o)	0.0447	0.00100	"	0.103	ND	43.4	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*59.4*		*ug/kg*	*60.0*		*99.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*66.9*		*"*	*60.0*		*112*	*75-125*			
Matrix Spike Dup (EI20704-MSD1)		**Source: 2I05002-01**		Prepared & Analyzed: 09/05/12						
Benzene	0.0567	0.00100	mg/kg dry	0.103	ND	55.0	80-120	6.51	20	QM-05
Toluene	0.0540	0.00200	"	0.103	ND	52.4	80-120	2.45	20	QM-05
Ethylbenzene	0.0452	0.00100	"	0.103	ND	43.9	80-120	3.36	20	QM-05
Xylene (p/m)	0.0855	0.00200	"	0.206	ND	41.5	80-120	4.01	20	QM-05
Xylene (o)	0.0422	0.00100	"	0.103	ND	41.0	80-120	5.69	20	QM-05
Surrogate: 1,4-Difluorobenzene	*57.5*		*ug/kg*	*60.0*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*67.1*		*"*	*60.0*		*112*	*75-125*			
Batch EI20707 - 8015M										
Blank (EI20707-BLK1)				Prepared & Analyzed: 09/05/12						
C6-C12	ND	15.0	mg/kg wet							
>C12-C28	ND	15.0	"							
>C28-C35	ND	15.0	"							
Total Hydrocarbons	ND	15.0	"							
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*60.7*		*"*	*50.0*		*121*	*70-130*			

Basin Environmental Services
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Lovington NM, 88260

Project: Fullerton 14 in (RP-1608)
Project Number: SUG Historical Releases
Project Manager: Joel Lowry

Fax: (505) 396-1429

Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20707 - 8015M										
LCS (EI20707-BS1)				Prepared & Analyzed: 09/05/12						
C6-C12	799	15.0	mg/kg wet	1000		79.9	75-125			
>C12-C28	854	15.0	"	1000		85.4	75-125			
>C28-C35	ND	15.0	"	0.00			75-125			
Total Hydrocarbons	ND	15.0	"	0.00			75-125			
Surrogate: 1-Chlorooctane	*115*		"	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*44.4*		"	*50.0*		*88.8*	*70-130*			
LCS Dup (EI20707-BSD1)				Prepared & Analyzed: 09/05/12						
C6-C12	822	15.0	mg/kg wet	1000		82.2	75-125	2.84	20	
>C12-C28	894	15.0	"	1000		89.4	75-125	4.58	20	
Total Hydrocarbons	ND	15.0	"	0.00			75-125		20	
Surrogate: 1-Chlorooctane	*115*		"	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*58.8*		"	*50.0*		*118*	*70-130*			
Matrix Spike (EI20707-MS1)	**Source: 2I05002-01**			Prepared: 09/05/12 Analyzed: 09/06/12						
C6-C12	783	15.5	mg/kg dry	1030	ND	76.0	75-125			
>C12-C28	836	15.5	"	1030	ND	81.2	75-125			
Total Hydrocarbons	ND	15.5	"	0.00	ND		75-125			
Surrogate: 1-Chlorooctane	*119*		"	*103*		*116*	*70-130*			
Surrogate: o-Terphenyl	*50.2*		"	*51.5*		*97.5*	*70-130*			
Matrix Spike Dup (EI20707-MSD1)	**Source: 2I05002-01**			Prepared: 09/05/12 Analyzed: 09/06/12						
C6-C12	900	15.5	mg/kg dry	1030	ND	87.4	75-125	14.0	20	
>C12-C28	811	15.5	"	1030	ND	78.7	75-125	3.13	20	
Total Hydrocarbons	ND	15.5	"	0.00	ND		75-125		20	
Surrogate: 1-Chlorooctane	*130*		"	*103*		*126*	*70-130*			
Surrogate: o-Terphenyl	*51.7*		"	*51.5*		*100*	*70-130*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20701 - * DEFAULT PREP *****										
Blank (EI20701-BLK1)				Prepared: 09/06/12 Analyzed: 09/07/12						
% Moisture	ND	0.1	%							
Duplicate (EI20701-DUP1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Batch EI20702 - * DEFAULT PREP *****										
Blank (EI20702-BLK1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	ND	1.00	mg/kg dry wt. wet							
LCS (EI20702-BS1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	10.4		mg/kg Wet	10.0		104	80-120			
LCS Dup (EI20702-BSD1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	10.4		mg/kg Wet	10.0		104	80-120	0.00	20	
Duplicate (EI20702-DUP1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	44.3	1.06	mg/kg dry wt. dry		43.5			1.82	20	
Matrix Spike (EI20702-MS1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	152	1.06	mg/kg dry wt. dry	106	43.5	102	80-120			
Matrix Spike (EI20702-MS2)	**Source: 2I05002-10**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	96.7	1.01	mg/kg dry wt. dry	101	ND	95.7	80-120			

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/7/2012

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab

10014 SCR 1213
Midland, Texas 79706
Tel (432) 661-4184

Company Name:	Basin Environmental Service Technologies	Phone #:	575-396-2378
Address:	P.O. 301 Lovington, NM, 88260	Fax #:	575-396-1429
Contact Person:	Rose Slade (SUG) Joel Lowry (Basin)	E-mail:	pm@basinenv.com rose.slade@sug.com
Invoice to:	Southern Union Gas Services		
Project #:	SUG Historical Releases	Project Name:	Fullerton 14" (RP-1608)
Project Location: (include state)	Lea County, New Mexico	Sampler Signature:	Troy Hal[illegible]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	Matrix: SOIL	Preservative: ICE	Sampling DATE	Sampling TIME	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / DRO / TVHC 8015M Extended	Cl, F, SO4, NO3-N, NO2-N, PO4-P, Alkalinity
-01	R.P. a	1		X	X	8/30	0900	X	X	X
-02	R.P. b	1		X	X	8/30	0910	X	X	X
-03	S.P. #4 a	1		X	X	8/30	0940	X	X	X
-04	S.P. #4 b	1		X	X	8/30	0950	X	X	X
-05	S.P. #5 a	1		X	X	8/30	1010	X	X	X
-06	S.P. #5b	1		X	X	8/30	1020	X	X	X
-07	S.P. #6 a	1		X	X	8/30	1040	X	X	X
-08	S.P. #6 b	1		X	X	8/30	1100	X	X	X
-09	S.P. #7 a	1		X	X	8/30	1120	X	X	X
-10	S.P. #7 b	1		X	X	8/30	1140	X	X	X
-11	S.P. #8 a	1		X	X	8/30	1320	X	X	X
-12	S.P. #8 b	1		X	X	8/30	1330	X	X	X

Other matrix columns: WATER, AIR, SLUDGE. Other preservative columns: HCL, HNO_3, H_2SO_4, NaOH, NONE.

Other analyses listed: MTBE 8021B / 602 / 8260B / 624; PAH 8270C / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B / 200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B / 624; GC/MS Semi. Vol. 8270C/625; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; Na, Ca, Mg, K, TDS, EC; Turn Around Time if different from standard; Hold

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp
Troy Hal[illegible]	Basin	08/04/12	1712					INST ___ OBS ___ COR ___
								INST ___ OBS ___ COR ___
				[signature]	PBEL	9/4/12	17:12	INST ___ OBS 2.4 COR 2.4

LAB USE ONLY
Intact: Y / N
Headspace: Y / N / NA
Log-in Review
Carrier #

REMARKS:
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check if Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions

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10014 SCR 1213 Midland, TX 79706 432-661-4184

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Joel Lowry
Basin Environmental Services
P.O. Box 301
Lovington, NM 88260

Project: Fullerton 14 in (RP-1608)
Project Number: SUG Historical Releases
Location: Lea County, New Mexico

Lab Order Number: 2I06001

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704156-12-1

Report Date: 09/07/12

Basin Environmental Services
P.O. Box 301
Lovington NM, 88260

Project: Fullerton 14 in (RP-1608)
Project Number: SUG Historical Releases
Project Manager: Joel Lowry

Fax: (505) 396-1429

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S.P. #4c	2I06001-01	Soil	09/05/12 10:00	09-06-2012 12:14

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Organics by GC

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #4c (2I06001-01) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EI20703	09/06/12	09/06/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*75-125*		"	"	"	"	
C6-C12	**ND**	15.6	mg/kg dry	"	EI20705	09/06/12	09/06/12	EPA 8015M	
>C12-C28	ND	15.6	"	"	"	"	"	"	
>C28-C35	**ND**	15.6	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.6	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.5 %*	*70-130*		"	"	"	"	
Surrogate: o-Terphenyl		*91.4 %*	*70-130*		"	"	"	"	

Basin Environmental Services	Project: Fullerton 14 in (RP-1608)	Fax: (505) 396-1429
P.O. Box 301	Project Number: SUG Historical Releases	
Lovington NM, 88260	Project Manager: Joel Lowry	

General Chemistry Parameters by EPA / Standard Methods

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S.P. #4c (2I06001-01) Soil									
Chloride	**33.0**	1.04	mg/kg dry wt. dry	1	EI20702	09/06/12	09/07/12	EPA 300.0	
% Moisture	**4.0**	0.1	%	"	EI20701	09/06/12	09/07/12	% calculation	

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Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20703 - General Preparation (GC)										
Blank (EI20703-BLK1)				Prepared & Analyzed: 09/06/12						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*57.5*		*ug/kg*	*60.0*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*63.8*		*"*	*60.0*		*106*	*75-125*			
LCS (EI20703-BS1)				Prepared & Analyzed: 09/06/12						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.108	0.00200	"	0.100		108	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0970	0.00100	"	0.100		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	*63.8*		*ug/kg*	*60.0*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*55.3*		*"*	*60.0*		*92.2*	*75-125*			
LCS Dup (EI20703-BSD1)				Prepared & Analyzed: 09/06/12						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120	1.94	20	
Toluene	0.108	0.00200	"	0.100		108	80-120	0.00	20	
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120	0.976	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120	1.90	20	
Xylene (o)	0.0959	0.00100	"	0.100		95.9	80-120	1.14	20	
Surrogate: 1,4-Difluorobenzene	*54.9*		*ug/kg*	*60.0*		*91.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*63.3*		*"*	*60.0*		*106*	*75-125*			
Matrix Spike (EI20703-MS1)	**Source: 2I05002-10**			Prepared & Analyzed: 09/06/12						
Benzene	0.0751	0.00100	mg/kg dry	0.101	ND	74.4	80-120			QM-05
Toluene	0.0830	0.00200	"	0.101	ND	82.2	80-120			
Ethylbenzene	0.0745	0.00100	"	0.101	ND	73.8	80-120			QM-05
Xylene (p/m)	0.150	0.00200	"	0.202	ND	74.3	80-120			QM-05
Xylene (o)	0.0704	0.00100	"	0.101	ND	69.7	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*66.5*		*ug/kg*	*60.0*		*111*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*58.1*		*"*	*60.0*		*96.8*	*75-125*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20703 - General Preparation (GC)										
Matrix Spike Dup (EI20703-MSD1)	**Source: 2I05002-10**			Prepared & Analyzed: 09/06/12						
Benzene	0.0743	0.00100	mg/kg dry	0.101	ND	73.6	80-120	1.08	20	QM-05
Toluene	0.0805	0.00200	"	0.101	ND	79.7	80-120	3.09	20	QM-05
Ethylbenzene	0.0713	0.00100	"	0.101	ND	70.6	80-120	4.43	20	QM-05
Xylene (p/m)	0.142	0.00200	"	0.202	ND	70.3	80-120	5.53	20	QM-05
Xylene (o)	0.0667	0.00100	"	0.101	ND	66.0	80-120	5.45	20	QM-05
Surrogate: 4-Bromofluorobenzene	*65.6*		*ug/kg*	*60.0*		*109*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*57.0*		*"*	*60.0*		*95.0*	*75-125*			
Batch EI20705 - 8015M										
Blank (EI20705-BLK1)				Prepared & Analyzed: 09/06/12						
C6-C12	ND	15.0	mg/kg wet							
>C12-C28	ND	15.0	"							
Surrogate: 1-Chlorooctane	*91.0*		*"*	*100*		*91.0*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (EI20705-BS1)				Prepared & Analyzed: 09/06/12						
C6-C12	859	15.0	mg/kg wet	1000		85.9	75-125			
>C12-C28	859	15.0	"	1000		85.9	75-125			
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*52.4*		*"*	*50.0*		*105*	*70-130*			
LCS Dup (EI20705-BSD1)				Prepared & Analyzed: 09/06/12						
C6-C12	818	15.0	mg/kg wet	1000		81.8	75-125	4.89	20	
>C12-C28	778	15.0	"	1000		77.8	75-125	9.90	20	
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*48.0*		*"*	*50.0*		*96.0*	*70-130*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20705 - 8015M										
Matrix Spike (EI20705-MS1)	**Source: 2I06001-01**			Prepared: 09/06/12	Analyzed: 09/07/12					
C6-C12	867	15.6	mg/kg dry	1040	ND	83.4	75-125			
>C12-C28	818	15.6	"	1040	ND	78.7	75-125			
Surrogate: 1-Chlorooctane	*131*		"	*104*		*126*	*70-130*			
Surrogate: o-Terphenyl	*53.7*		"	*52.1*		*103*	*70-130*			
Matrix Spike Dup (EI20705-MSD1)	**Source: 2I06001-01**			Prepared: 09/06/12	Analyzed: 09/07/12					
C6-C12	801	15.6	mg/kg dry	1040	ND	77.0	75-125	7.98	20	
>C12-C28	806	15.6	"	1040	ND	77.5	75-125	1.54	20	
Surrogate: 1-Chlorooctane	*120*		"	*104*		*115*	*70-130*			
Surrogate: o-Terphenyl	*47.6*		"	*52.1*		*91.4*	*70-130*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI20701 - * DEFAULT PREP *****										
Blank (EI20701-BLK1)				Prepared: 09/06/12 Analyzed: 09/07/12						
% Moisture	ND	0.1	%							
Duplicate (EI20701-DUP1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Batch EI20702 - * DEFAULT PREP *****										
Blank (EI20702-BLK1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	ND	1.00	mg/kg dry wt. wet							
LCS (EI20702-BS1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	10.4		mg/kg Wet	10.0		104	80-120			
LCS Dup (EI20702-BSD1)				Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	10.4		mg/kg Wet	10.0		104	80-120	0.00	20	
Duplicate (EI20702-DUP1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	44.3	1.06	mg/kg dry wt. dry		43.5			1.82	20	
Matrix Spike (EI20702-MS1)	**Source: 2I05001-01**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	152	1.06	mg/kg dry wt. dry	106	43.5	102	80-120			
Matrix Spike (EI20702-MS2)	**Source: 2I05002-10**			Prepared: 09/06/12 Analyzed: 09/07/12						
Chloride	96.7	1.01	mg/kg dry wt. dry	101	ND	95.7	80-120			

Basin Environmental Services
P.O. Box 301
Lovington NM, 88260

Project: Fullerton 14 in (RP-1608)
Project Number: SUG Historical Releases
Project Manager: Joel Lowry

Fax: (505) 396-1429

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/7/2012

Brent Barron, Laboratory Director/Technical Director

Lab Order ID # [illegible]

Page ___ of ___

Permian Basin Environmental Lab

10014 SCR 1213
Midland, Texas 79706
Tel (432) 661-4184

Company Name:	Basin Environmental Service Technologies	Phone #:	575-396-2378
Address:	P.O. 301 Lovington, NM, 88260	Fax #:	575-396-1429
Contact Person:	Rose Slade (SUG) Joel Lowry (Basin)	E-mail:	pm@basinenv.com rose.slade@sug.com
Invoice to:	Southern Union Gas Services		
Project #:	SUG Historical Releases	Project Name:	Fullerton 14" (RP-1608)
Project Location: (include state)	Lea County, New Mexico	Sampler Signature:	Troy Nolen

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	PRESERVATIVE METHOD: HCL	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	SAMPLING: TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B / 200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC		Turn Around Time if different from standard	Hold
-01	S.P. #4c	1			X							X		9/5	[illegible]		X	X														X				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Troy Nolen	Basin	9/6/12	R:D					INST ___ °C OBS ___ °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C
				[signature]	PBEL	9/6/12	12:A	INST ___ OBS 5.5 °C COR 5.5 °C

LAB USE ONLY
Intact Y/N
Headspace Y/N/NA
Log-in Review ___
Carrier # ___

REMARKS:
☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions

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