Southern Union Gas Services

801 South Loop 464
Monahans, Texas 79756

432.943.1100 Fax: 432.943.1101

March 29, 2012

Mr. ~~Edward Hansen~~ L. Lowe
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED

APR 2 2012

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: 2011 Annual Groundwater Monitoring Reports
Southern Union Gas Services, Ltd
Boyd Compressor Station (GW-269)
House Compressor Station (GW-243)
Lea County, New Mexico

Mr. Hansen,

Enclosed are the *2011 Annual Groundwater Monitoring Reports* for the following groundwater remediation sites in Lea County, New Mexico:

Boyd Compressor Station (GW-269)
Unit Letter "J", Section 26, Township 22 South, Range 37 East, NMPM

House Compressor Station (GW-243)
Unit Letter "O", Section 11, Township 20 South, Township 38 East, NMPM

I have personally reviewed these documents, prepared by Basin Environmental Services Technologies, LLC, on behalf of Southern Union Gas Services, and believe the facts are true and accurate to the best of my knowledge and ability. If you have any questions or comments, please contact me at 432-940-5147 or by email at rose.slade@sug.com.

Respectfully submitted,

Rose L. Slade
EHS Compliance Specialist
Southern Union Gas Services, Ltd
rose.slade@sug.com

Cc: Geoffrey R. Leking, NMOCD Hobbs District Office
SUG Environmental Files
Enclosures

Basin Environmental Service Technologies, LLC

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P. O. Box 301
Lovington, New Mexico 88260
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Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

2011
ANNUAL MONITORING REPORT

SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
Lea County, New Mexico
Unit Letter "J" (NW/SE), Section 26, Township 22 South, Range 37 East
New Mexico Discharge Plan & Permit #GW-269

Prepared For:

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

Prepared By:

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

March 2012

Ben J. Arguijo
Project Manager

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INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), is pleased to submit this *Annual Monitoring Report* in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1st of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2011 only.

Groundwater monitoring was conducted during the third and fourth quarters of 2011 to assess the levels and extent of dissolved phase constituents and Phase-Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the Boyd Compressor Station release site is Unit Letter "J" (NW/SE), Section 26, Township 22 South, Range 37 East in Lea County, New Mexico. The geographic coordinates of the site are 32° 21.748' North latitude and 103° 07.830' West longitude. The property affected by the release is owned by Mr. R.D. Simms of Eunice, New Mexico. The facility is covered by a New Mexico Discharge Plan & Permit (GW-269). For reference, a "Site Location Map" is provided as Figure 1.

On September 18, 2007, a preliminary soil investigation commenced at the Boyd Compressor Station. Soil samples were collected using a hand auger at two (2) locations to evaluate the extent of hydrocarbon impact adjacent to the compressor skids. Laboratory analytical results indicated hydrocarbon impact was present in the areas sampled.

On May 14, 2008, Southern Union submitted a Pit or Below-Grade Tank Registration or Closure (Form C-144) to the New Mexico Oil Conservation Division (NMOCD) Santa Fe Office. The Form C-144 was accompanied by Remediation Plan (Plan) to remove an approximately eighty barrel (80 bbl) reinforced fiberglass below-grade tank (BGT), an approximately four hundred and sixty-three barrel (463 bbl) above-ground steel storage tank (AST), non-utilized piping, concrete slabs, equipment, and structures associated with the Boyd Compressor Station. The BGT was installed prior to the implementation of NMOCD rules regarding the utilization of BGT's.

On June 17, 2008, Basin, on behalf of Southern Union, began the excavation and removal of the eighty barrel (80 bbl) BGT at the Boyd Compressor Station. Following the excavation and removal of the BGT, the structural integrity of the tank was evaluated. On evaluation, the reinforced fiberglass tank exhibited corrosion around the bolts used to secure the two (2) halves of the tank and, most likely, resulted in the release of liquids adjacent to and beneath the tank.

On June 18, 2008, decommissioning of the compressor station and excavation of the previously identified impacted soil commenced. Several soil samples of the stockpile were collected. The

stockpiles which were deemed suitable were used as backfill, and the impacted soil was transported off-site.

On July 29, 2008, two (2) soil borings were advanced at the Boyd Compressor Station to further investigate and delineate the extent of vertical impact.

On December 15, 2008, Southern Union submitted an email to the NMOCD Santa Fe Office. In the email, Southern Union presented laboratory analytical results of collected soil samples and remedial activities to-date. Based on the laboratory analytical results and the depth of impacted soil below the BGT, Southern Union requested and received NMOCD approval to backfill the area associated with the BGT to ten feet (10') below ground surface (bgs) and install a twenty (20) mil polyethylene liner on the floor of the excavation. In addition, Southern Union requested and received NMOCD approval to install four (4) monitor wells at the Boyd Compressor Station. The monitor wells were designed to evaluate the status of the groundwater and any potential impact to the groundwater.

On December 29, 2008, a six-inch (6") pad of fine sand was applied to the floor of the excavation to protect the twenty (20) mil polyethylene liner from punctures. Following the emplacement of the pad material, the liner, measuring approximately twenty feet (20') in width and length, was installed in the excavation. An approximately six-inch (6") pad of fine sand was emplaced on top of the liner before backfilling activities commenced.

Based on laboratory analytical results, backfilling of the compressor area excavation began on November 18, 2008. The blended backfill material was water-packed in the excavation to minimize the settling of the soil.

On December 23, 2008, compressor excavation backfill activities were completed, and the compressor area soil was contoured to fit the surrounding topography. During the course of the remediation activities, approximately nine hundred cubic yards (900 yd^3) of impacted soil was transported off-site, and approximately five thousand, one hundred and eighty-five cubic yards (5,185 yd^3) of soil was blended on-site and utilized as backfill material.

On January 14, 2009, four (4) groundwater monitor wells (MW-1 through MW-4) were installed at the Boyd Compressor Station using an air rotary drilling rig. The monitor wells were installed to a total depth of approximately sixty-five feet (65') bgs.

Monitor well MW-1 was installed south and down-gradient of the previously installed twenty (20) mil polyethylene liner. Laboratory analytical results indicated TPH concentrations were less than the laboratory method detection limit (MDL) of 50 mg/Kg for all of the submitted soil samples, with the exception of the soil sample collected at five feet (5') bgs.

Monitor well MW-2 was installed north and up-gradient of the former below grade tank. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL of 50 mg/Kg for all of the submitted soil samples. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL of 200 mg/Kg in the soil samples

collected at twenty feet (20'), thirty feet (30'), fifty feet (50'), and sixty feet (60) bgs to 2,190 mg/Kg in the soil sample collected at ten feet (10') bgs.

Monitor well MW-3 was installed south-southwest and down-gradient of the former below grade tank. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL of 50 mg/Kg for all of the submitted soil samples, with the exception of the soil sample collected at forty feet (40') bgs, which exhibited a TPH concentration of 1.16 mg/Kg. Laboratory analytical results indicated chloride concentrations ranged from less than the laboratory MDL of 200 mg/Kg in the soil samples collected at twenty feet (20'), thirty feet (30'), fifty feet (50'), and sixty feet (60') bgs to 2,190 mg/Kg in the soil sample collected at ten feet (10') bgs.

Monitor well MW-4 was installed south-southeast and down-gradient of the former below grade tank. Laboratory analytical results indicated TPH concentrations were less than the laboratory MDL of 50 mg/Kg for all of the submitted soil samples. Laboratory analytical results indicated chloride concentrations were less than the laboratory MDL of 200 mg/Kg for all of the submitted soil samples.

Currently, there are four (4) groundwater monitoring wells (MW1 through MW-4) on-site. Monitor wells MW-1, MW-2, MW-3, and MW-4 are gauged and sampled on a quarterly schedule.

FIELD ACTIVITIES

The on-site monitor wells were gauged and sampled on September 28 (3Q2011) and December 1, 2011 (4Q2011). During these quarterly sampling events, the monitoring wells were purged of a minimum of three (3) well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge, and samples were obtained using disposable Teflon bailers. Water samples were stored in clean, glass or plastic containers provided by the laboratory and placed on ice in the field. Purge water was collected in a trailer-mounted polystyrene tank and disposed of at an NMOCD-approved disposal facility near Monument, New Mexico.

Locations of the groundwater monitoring wells and the inferred groundwater elevations, which were constructed from the measurements collected during the 2011 quarterly sampling events, are depicted in Figures 2A and 2B. The groundwater gradient at the Boyd Compressor Station site appears to be fluctuating. The "Inferred Groundwater Gradient Map" from the 3Q2011 sampling event (Figure 2A, September 28, 2011) indicates a general gradient to the southeast of approximately 0.0013 ft/ft as measured between monitor wells MW-2 and MW-4. The "Inferred Groundwater Gradient Map" from the most recent sampling event (Figure 2B, December 1, 2011) indicates a general gradient of approximately 0.042 ft/ft to the southwest, as measured between monitor wells MW-2 and MW-3.

On September 28, 2011, the corrected groundwater elevation ranged between 3,257.28 and 3,257.45 feet above mean sea level in monitor wells MW-4 and MW-2, respectively. On December 1, 2011, the corrected groundwater elevation ranged between 3,252.32 and 3,4257.81

feet above mean sea level in monitor wells MW-3 and MW-4, respectively. The "2011 Groundwater Elevation Data" is provided as Table 1.

No PSH was detected in any of the on-site monitor wells during the 2011 reporting period.

LABORATORY RESULTS

Groundwater samples collected from the monitor wells during the quarterly sampling events (3Q2011 and 4Q2011) were delivered to Xenco Laboratories in Odessa, Texas, for determination of chloride, and/or benzene, toluene, ethylbenzene, and total xylenes (BTEX) constituent concentrations by EPA Methods E300 and SW846-8021b, respectively. A summary of benzene, BTEX, and chloride concentrations is presented in Table 2, "2011 Concentrations of Benzene, BTEX & Chloride in Groundwater". Laboratory analytical reports are provided as Appendix A. "Groundwater Concentration" maps are provided as Figures 3A and 3B.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code (NMAC).

Monitor well MW-1

Monitor well MW-1 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 4,050 mg/L in 4Q2011 to 4,250 mg/L in 3Q2011. Chloride concentrations exceeded NMOCD regulatory standards in all submitted groundwater samples. Benzene, toluene, ethylbenzene, and total xylene concentrations were both less than the appropriate laboratory method detection limit (MDL) and less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-1 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

Monitor well MW-2

Monitor well MW-2 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 126 mg/L in 4Q2011 to 148 mg/L in 3Q2011. Benzene, toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL in all submitted groundwater samples. Benzene, toluene, ethylbenzene, total xylene, and chloride concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-2 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

Monitor well MW-3

Monitor well MW-3 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 115 mg/L in 4Q2011 to 138 mg/L in 3Q2011. Benzene, toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL in all submitted groundwater samples. Benzene, toluene, ethylbenzene, total xylene, and chloride concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-3 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

Monitor well MW-4

Monitor well MW-4 is sampled on a quarterly schedule. Laboratory analytical results indicated chloride concentrations ranged from 206 mg/L in 4Q2011 to 221 mg/L in 3Q2011. Benzene, toluene, ethylbenzene, and total xylene concentrations were less than the appropriate laboratory MDL in all submitted groundwater samples. Benzene, toluene, ethylbenzene, total xylene, and chloride concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

Baseline sampling of monitor well MW-4 was conducted on September 28, 2011. Laboratory analytical results from the baseline monitoring event are summarized in Tables 3 through 5.

SUMMARY

This report presents the results of monitoring activities for the 2011 monitoring period. Currently, there are four (4) groundwater monitoring wells (MW-1 through MW-4) on-site. Monitor wells MW-1, MW-2, MW-3, and MW-4 are sampled on a quarterly basis.

The groundwater gradient at the Boyd Compressor Station site appears to be fluctuating. The "Inferred Groundwater Gradient Map" from the 3Q2011 sampling event (Figure 2A, September 28, 2011) indicates a general gradient to the southeast of approximately 0.0013 ft/ft as measured between monitor wells MW-2 and MW-4. The "Inferred Groundwater Gradient Map" from the most recent sampling event (Figure 2B, December 1, 2011) indicates a general gradient of approximately 0.042 ft/ft to the southwest, as measured between monitor wells MW-2 and MW-3.

No PSH was detected in any of the on-site monitor wells during the 2011 reporting period.

Laboratory analytical results indicated chloride concentrations exceeded NMOCD regulatory standards in monitor well MW-1 during 3Q2011 and 4Q2011. Benzene, toluene, ethylbenzene, and total xylene concentrations were less than NMOCD regulatory standards in all submitted groundwater samples.

ANTICIPATED ACTIONS

Quarterly monitoring and groundwater sampling of monitor wells MW-1 through MW-4 will continue in the reporting year 2012.

A 2012 *Annual Monitoring Report* will be submitted to the NMOCD by April 1, 2013.

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Annual Monitoring Report* 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.

DISTRIBUTION

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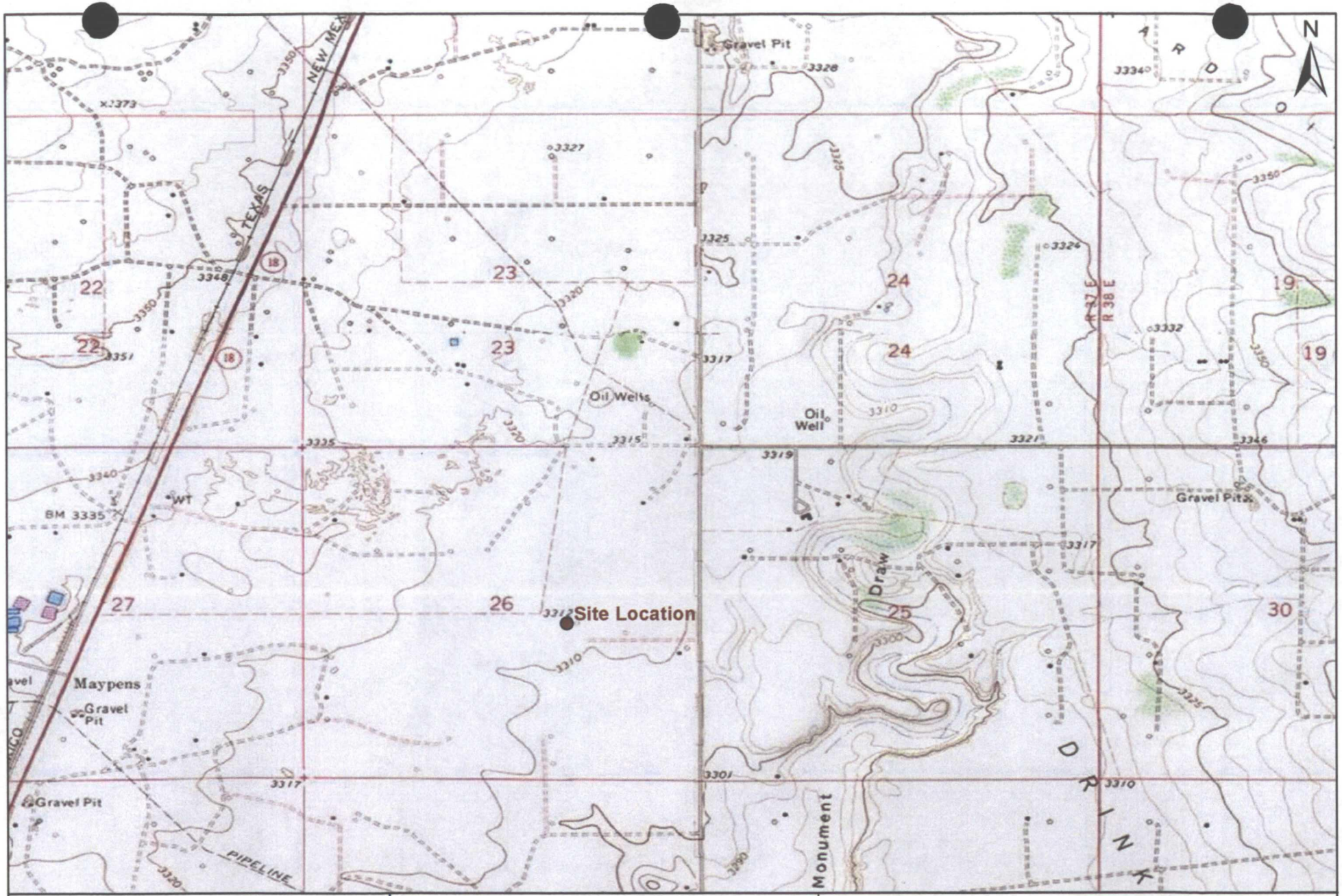
Figures



1,000500 0 1,000 2,000

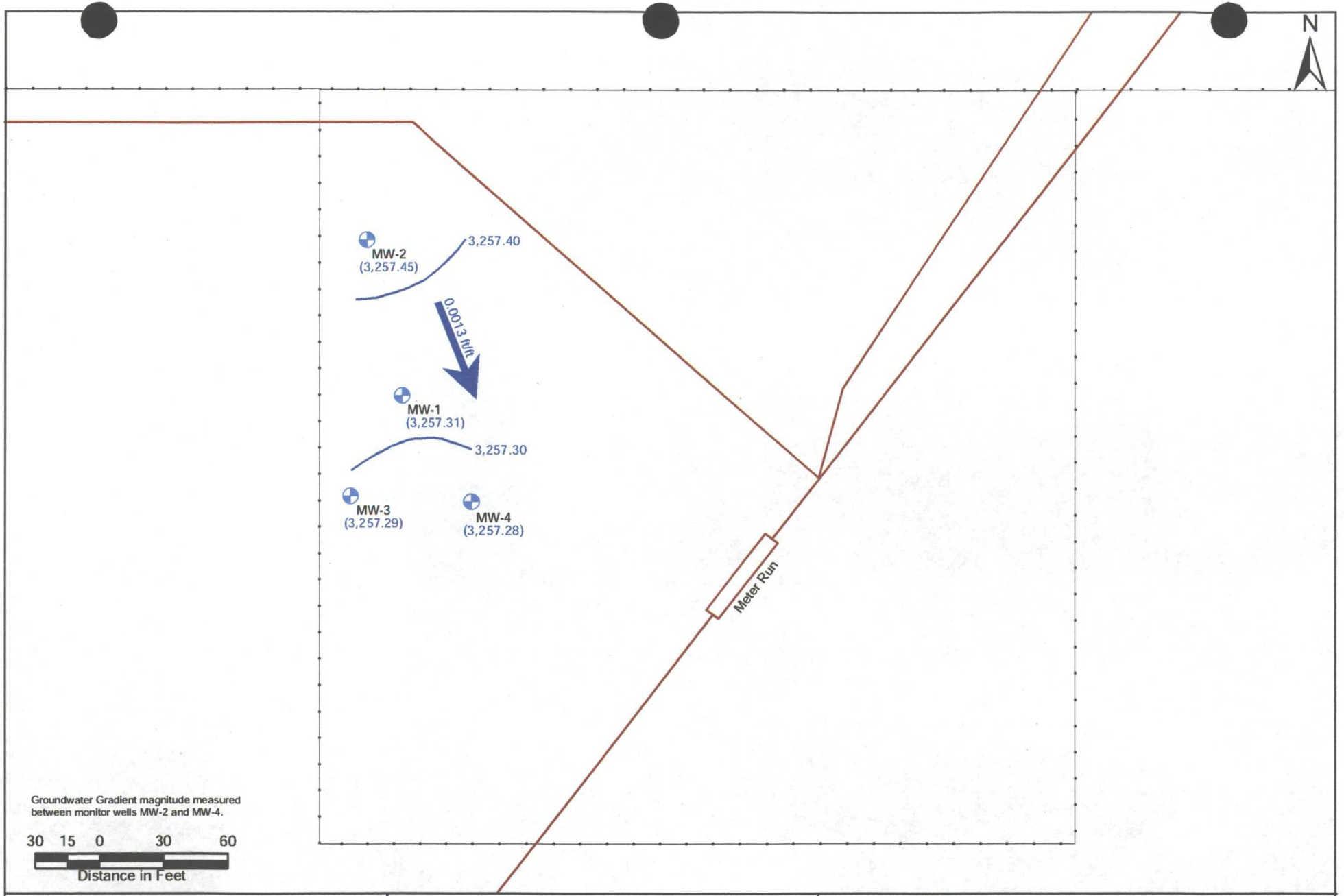
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
Boyd Compressor Station
Lea County, New Mexico

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: BRB
March 8, 2012	Scale: 1" = 2000'



Legend:

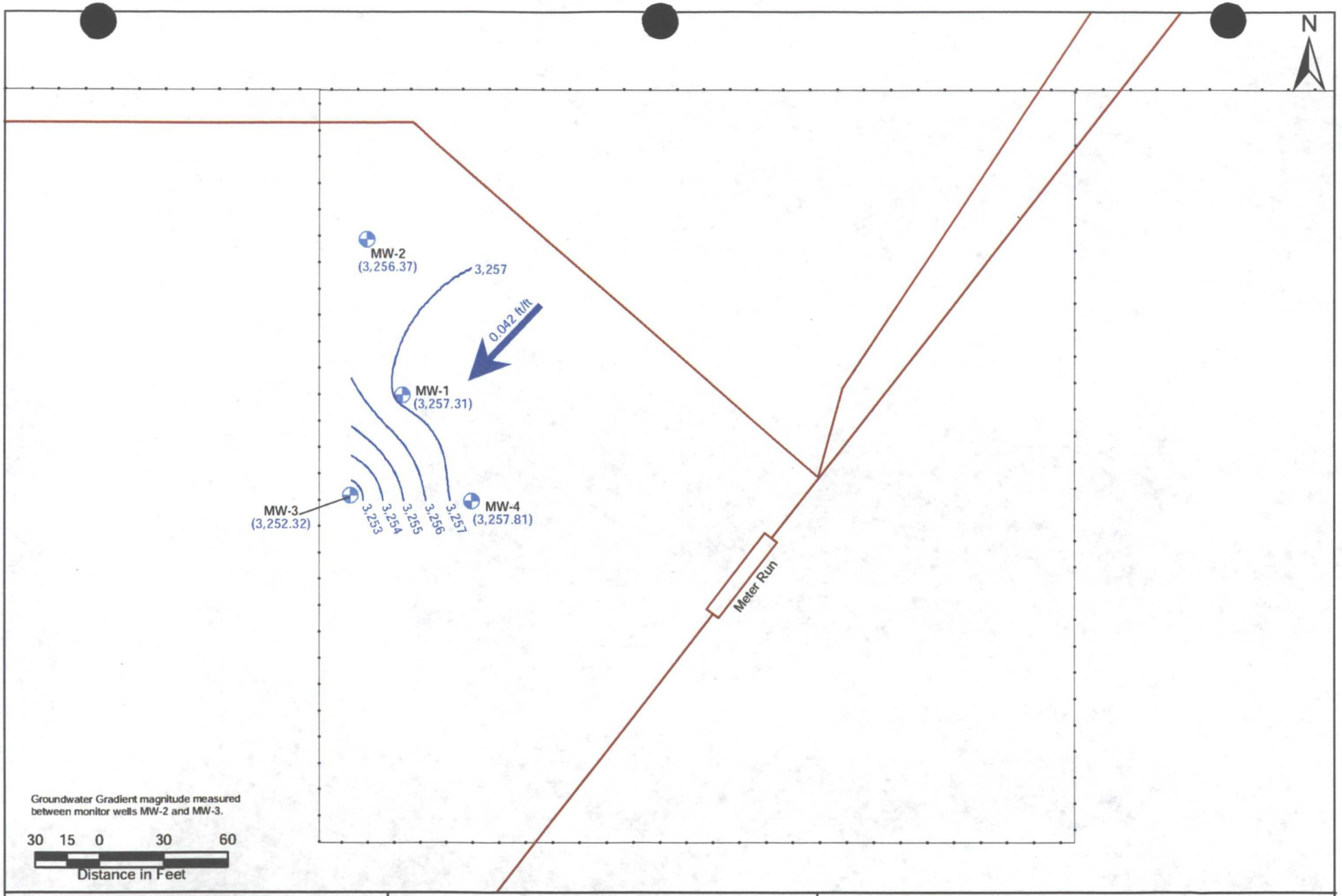
- Pipeline
- Fence
- (3,720) Groundwater Elevation (ft)
- Groundwater Gradient & Magnitude
- Monitor Well

Figure 2A
Inferred Groundwater Gradient Map
3Q2011 (9/28/2011)
Southern Union Gas Services
Boyd Compressor Station
Lea County, New Mexico

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'



Legend:

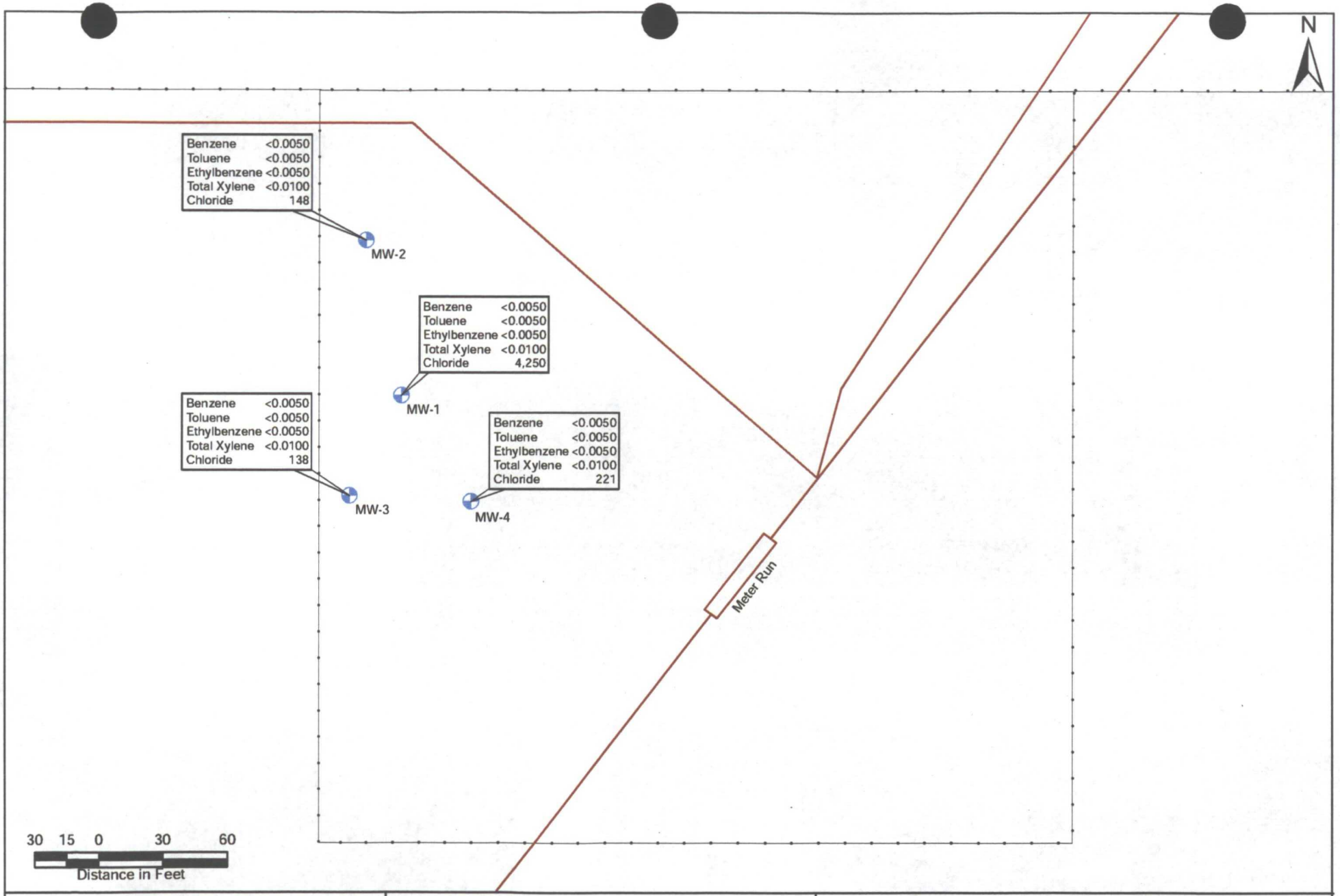
- Pipeline
- Fence
- (3,720) Groundwater Elevation (ft)
- Groundwater Gradient & Magnitude
- Monitor Well

Figure 2B
Inferred Groundwater Gradient Map
4Q2011 (12/1/2011)
Southern Union Gas Services
Boyd Compressor Station
Lea County, New Mexico

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'

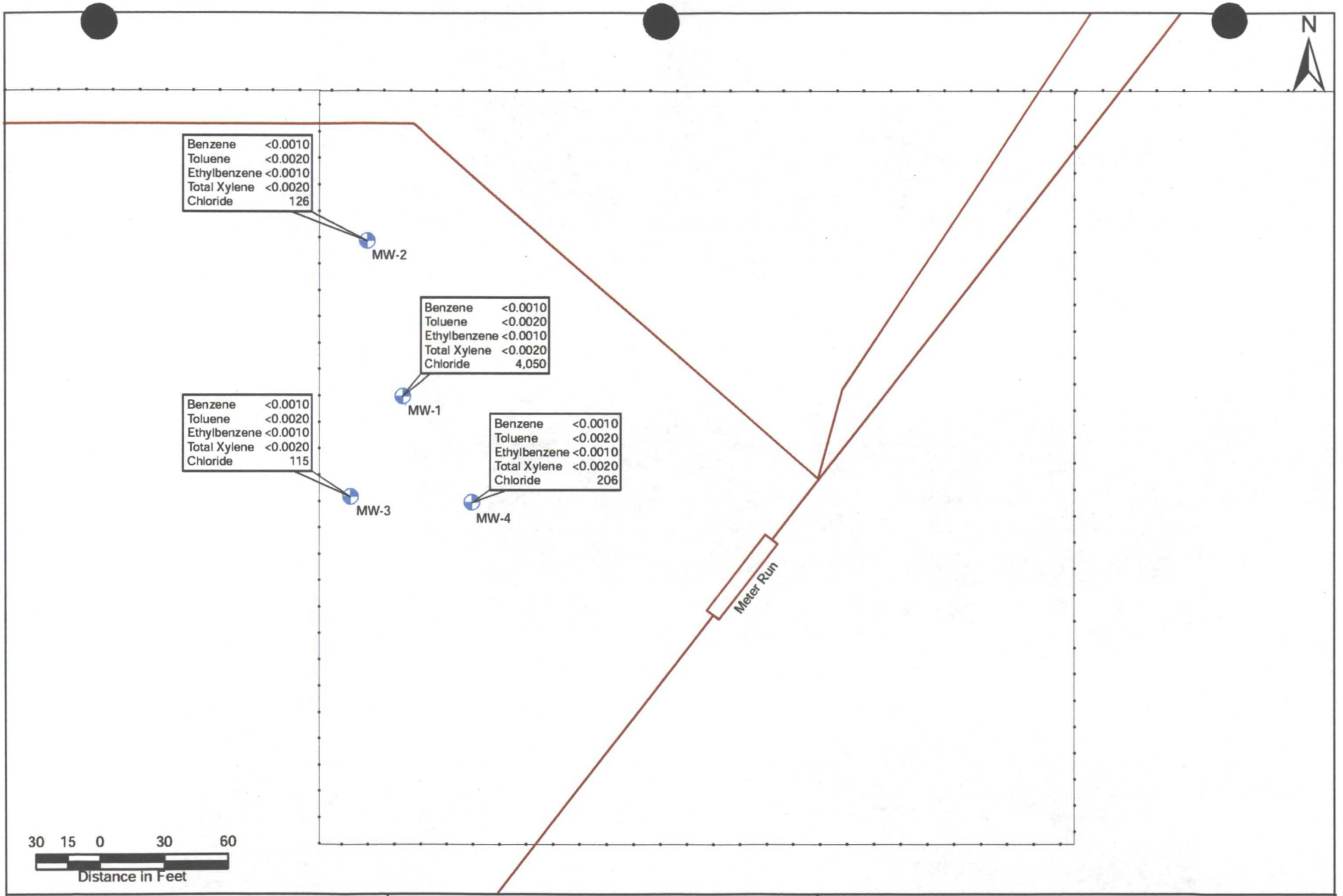


Legend:
- Pipeline
- Fence
- Monitor Well

Figure 3A
Groundwater Concentration Map
3Q2011 (9/28/2011)
Southern Union Gas Services
Boyd Compressor Station
Lea County, New Mexico

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'



Legend:
- Pipeline
- Fence
- Monitor Well

Figure 3B
Groundwater Concentration Map
4Q2011 (12/1/2011)
Southern Union Gas Services
Boyd Compressor Station
Lea County, New Mexico

Basin Environmental Service Technologies
Effective Solutions

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

Drawn By: BJA	Checked By: BRB
March 23, 2012	Scale: 1" = 60'

Tables

TABLE 1

GROUNDWATER ELEVATION DATA

SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	TOTAL DEPTH	CORRECTED GROUNDWATER ELEVATION
MW-1	9/28/2011	3,316.67	-	59.36	-	69.35	3,257.31
	12/1/2011	3,316.67	-	59.36	-	69.35	3,257.31
MW-2	9/28/2011	3,317.02	-	59.57	-	69.64	3,257.45
	12/1/2011	3,317.02	-	60.65	-	69.64	3,256.37
MW-3	9/28/2011	3,317.52	-	60.23	-	69.50	3,257.29
	12/1/2011	3,317.52	-	65.20	-	69.50	3,252.32
MW-4	9/28/2011	3,317.06	-	59.78	-	68.95	3,257.28
	12/1/2011	3,317.06	-	59.25	-	68.95	3,257.81

TABLE 2

2011 CONCENTRATIONS OF BENZENE, BTEX & CHLORIDE IN GROUNDWATER

SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021b							E 300
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)	TOTAL XYLENE (mg/L)	TOTAL BTEX (mg/L)	CHLORIDE (mg/L)
MW-1	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	4,250
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	4,050
MW-2	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	148
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	126
MW-3	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	138
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	115
MW-4	9/28/2011	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.010	221
	12/1/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	206
NMOCD CRITERIA		**0.01**	**0.75**	**0.75**	**TOTAL XYLENES 0.62**				**250**

TABLE 3

CONCENTRATIONS OF RCRA & NMWQCC METALS IN GROUNDWATER

SOUTHERN UNION GAS SERVICES

BOYD COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-6020A, EPA 7470A								
		Aluminum	Boron	Cobalt	Copper	Iron	Manganese	Molybdenum	Nickel	Zinc
MW-1	9/28/2011	62.0	2.77	0.0195	0.0439	47.6	0.586	0.0155	0.0434	0.146
MW-2	9/28/2011	13.0	0.451	0.0103	0.0252	10.4	0.389	0.0140	0.0170	0.0425
MW-3	9/28/2011	68.4	0.476	0.0545	0.102	53.1	1.00	0.0138	0.0691	0.262
MW-4	9/28/2011	3.59	0.490	<0.0050	0.00286	2.48	0.0436	0.0138	<0.0050	0.0161
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	10 mg/L

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	Acetone	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	MTBE	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
MW-1	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
MW-2	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
MW-3	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
MW-4	9/28/2011	<0.1	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	-	0.01 mg/L	-	-	-	-	-	-	-	-	-	-	-	0.01 mg/L	-	-

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	2-Chloroethyl vinyl ether	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	p-Cymene(p-Isopropyltoluene)	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane (methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluormethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene
MW-1	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	9/28/2011	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	0.1mg/L	-	-	-	-	-	-	0.0001 mg/L	-	-	-	-	-	0.005 mg/L	0.01 mg/L	0.005 mg/L	0.1mg/L

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	Methylene chloride	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.0056	<0.05	<0.01	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.0055	<0.05	<0.01	<0.005	<0.005	<0.005
MW-3	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.0059	<0.05	<0.01	<0.005	<0.005	<0.005
MW-4	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.0055	<0.05	<0.01	<0.005	<0.005	<0.005
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		-	-	-	-	-	-	-	0.75 mg/L	-	-	-	0.1mg/L	-	0.03 mg/L	-	-	-

Table 4

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
SOUTHERN UNION GAS SERVICES
BOYD COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

All water concentrations are in mg/L

Sample Location	Date Sampled	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o-Xylene	m,p-Xylene	Vinyl Chloride
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
MW-3	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
MW-4	9/28/2011	<0.005	<0.005	<0.005	<0.0099	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.0020
Maximum Contaminant Levels from NMWQCC Drinking water standards Sections 1-101.UU and 3-103.A.		0.02 mg/L	-	0.75 mg/L	-	-	0.06 mg/L	-	0.01 mg/ L	-	-	-	-	Total Xylene 0.62 mg/L		0.001 mg/L

TABLE 5

CONCENTRATIONS OF SEMI-VOLATILE COMPOUNDS IN GROUNDWATER

SOUTHERN UNION GAS SERVICES

BOYD COMPRESSOR STATION

LEA COUNTY, NEW MEXICO

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510															
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
MW-1	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	9/28/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Appendices

Appendix A

Laboratory Analytical Reports

Analytical Report 428606

for

Southern Union Gas Services- Monahans

Project Manager: Rose Slade

Boyd Compressor Station

14-OCT-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

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)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
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)

XENCO Laboratories

14-OCT-11

Project Manager: **Rose Slade**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **428606**
Boyd Compressor Station
Project Address: Lea County, NM

Rose Slade:

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 428606. 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. 428606 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 II
Odessa Laboratory Manager

XENCO Laboratories

Sample Cross Reference 428606

Southern Union Gas Services- Monahans, Monahans, TX

Boyd Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	09-28-11 13:45		428606-001
MW-2	W	09-28-11 12:30		428606-002
MW-3	W	09-28-11 13:45		428606-003
MW-4	W	09-28-11 13:30		428606-004

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: Boyd Compressor Station

Project ID: *Report Date: 14-OCT-11*
Work Order Number: 428606 *Date Received: 09/29/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-871512 Anions by E300
The RPD between the sample and sample duplicate was above the QC limit for Chloride. This is most likely due to sample non-homogeniety.

Batch: LBA-871684 VOAs by SW-846 8260B
SW8260B

Batch 871684, Carbon Tetrachloride recovered above QC limitsTrichlorofluoromethane recovered above QC limits in the Blank Spike and Duplicate.
Samples affected are: 428606-004, -003, -001, -002.

SW8260B

Batch 871684, 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1-Dichloropropene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Chlorotoluene, Bromochloromethane, Bromodichloromethane, Chloroform, Sec-Butylbenzene, n-Propylbenzene, o-Xylene, p-Cymene (p-Isopropyltoluene), tert-Butylbenzene, trans-1,2-dichloroethene recovered above QC limits in the Matrix Spike. Carbon Tetrachloride, Trichlorofluoromethane recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 428606-004, -003, -001, -002.
The Laboratory Control Sample for Bromodichloromethane, 1,3-Dichlorobenzene, Bromochloromethane, 2-Chlorotoluene, tert-Butylbenzene, 1,4-Dichlorobenzene, Chloroform, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Sec-Butylbenzene, o-Xylene, 1,1,1-Trichloroethane, 1,1,1,2-Tetrachloroethane, trans-1,2-dichloroethene, n-Propylbenzene, p-Cymene (p-Isopropyltoluene), 1,1-Dichloropropene is within laboratory Control Limits

SW8260B

Batch 871684, Bromochloromethane RPD was outside QC limits.
Samples affected are: 428606-004, -003, -001, -002

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: Boyd Compressor Station

Project ID:
Work Order Number: 428606

Report Date: 14-OCT-11
Date Received: 09/29/2011

Batch: LBA-872310 ICP-MS Metals by SW 6020A
SW6020

Batch 872310, Zinc recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 428606-004, -003, -001, -002.
The Laboratory Control Sample for Zinc is within laboratory Control Limits

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested													
	Lab Id:	428606-001		428606-002		428606-003		428606-004					
	Field Id:	MW-1		MW-2		MW-3		MW-4					
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER					
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30					
Anions by E300	***Extracted:***												
	Analyzed:	Oct-03-11 14:31		Oct-03-11 14:31		Oct-03-11 14:31		Oct-03-11 14:31					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL				
Chloride		4250	100	148	5.00	138	5.00	221	10.0				
ICP-MS Metals by SW 6020A SUB: E871002	***Extracted:***	Oct-06-11 17:00		Oct-06-11 17:00		Oct-06-11 17:00		Oct-06-11 17:00					
	Analyzed:	Oct-13-11 15:52		Oct-13-11 15:58		Oct-13-11 16:04		Oct-13-11 16:10					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL				
Aluminum		62.0	0.0100	13.0	0.0100	68.4	0.0100	3.59	0.0100				
Boron		2.77	0.0100	0.451	0.0100	0.476	0.0100	0.490	0.0100				
Cobalt		0.0195	0.00500	0.0103	0.00500	0.0545	0.00500	ND	0.00500				
Copper		0.0439	0.00200	0.0252	0.00200	0.102	0.00200	0.00286	0.00200				
Iron		47.6	0.150	10.4	0.150	53.1	0.150	2.48	0.150				
Manganese		0.586	0.00200	0.389	0.00200	1.00	0.00200	0.0436	0.00200				
Molybdenum		0.0155	0.00200	0.0140	0.00200	0.0138	0.00200	0.0138	0.00200				
Nickel		0.0434	0.00500	0.0170	0.00500	0.0691	0.00500	ND	0.00500				
Zinc		0.146	0.00300	0.0425	0.00300	0.262	0.00300	0.0161	0.00300				

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested													
	Lab Id:	428606-001		428606-002		428606-003		428606-004					
	Field Id:	MW-1		MW-2		MW-3		MW-4					
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER					
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30					
SVOAs by EPA 8270C	*Extracted:*	Oct-01-11 07:37		Oct-01-11 07:40		Oct-01-11 07:43		Oct-01-11 07:46					
SUB: E871002	*Analyzed:*	Oct-03-11 18:14		Oct-03-11 18:38		Oct-03-11 19:02		Oct-03-11 19:26					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL				
1,2,4-Trichlorobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
1,2-Dichlorobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
1,3-Dichlorobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
1,4-Dichlorobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,4,5-Trichlorophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,4,6-Trichlorophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,4-Dichlorophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,4-Dimethylphenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,4-Dinitrophenol		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198				
2,4-Dinitrotoluene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2,6-Dinitrotoluene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2-Chloronaphthalene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2-Chlorophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2-Methylnaphthalene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2-methylphenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
2-Nitroaniline		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198				
2-Nitrophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
3&4-Methylphenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
3,3-Dichlorobenzidine		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
3-Nitroaniline		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198				
4,6-dinitro-2-methyl phenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
4-Bromophenyl-phenylether		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
4-chloro-3-methylphenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
4-Chloroaniline		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198				
4-Chlorophenyl Phenyl Ether		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	428606-001		428606-002		428606-003		428606-004			
	Field Id:	MW-1		MW-2		MW-3		MW-4			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30			
SVOAs by EPA 8270C	***Extracted:***	Oct-01-11 07:37		Oct-01-11 07:40		Oct-01-11 07:43		Oct-01-11 07:46			
SUB: E871002	***Analyzed:***	Oct-03-11 18:14		Oct-03-11 18:38		Oct-03-11 19:02		Oct-03-11 19:26			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
4-Nitroaniline		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198		
4-Nitrophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Acenaphthene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Acenaphthylene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Aniline (Phenylamine, Aminobenzene)		ND	0.0198	ND	0.0202	ND	0.0192	ND	0.0198		
Anthracene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzo(a)anthracene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzo(a)pyrene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzo(b)fluoranthene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzo(g,h,i)perylene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzo(k)fluoranthene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Benzoic Acid		ND	0.0495	ND	0.0505	ND	0.0481	ND	0.0495		
Benzyl Butyl Phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
bis(2-chloroethoxy) methane		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
bis(2-chloroethyl) ether		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
bis(2-chloroisopropyl) ether		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
bis(2-ethylhexyl) phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Chrysene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Dibenz(a,h)Anthracene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Dibenzofuran		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Diethyl Phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Dimethyl Phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
di-n-Butyl Phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
di-n-Octyl Phthalate		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		
Fluoranthene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990		

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested													
	Lab Id:	428606-001		428606-002		428606-003		428606-004					
	Field Id:	MW-1		MW-2		MW-3		MW-4					
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER					
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30					
SVOAs by EPA 8270C SUB: E871002	*Extracted:*	Oct-01-11 07:37		Oct-01-11 07:40		Oct-01-11 07:43		Oct-01-11 07:46					
	Analyzed:	Oct-03-11 18:14		Oct-03-11 18:38		Oct-03-11 19:02		Oct-03-11 19:26					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL				
Fluorene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Hexachlorobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Hexachlorobutadiene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Hexachlorocyclopentadiene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Hexachloroethane		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Indeno(1,2,3-c,d)Pyrene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Isophorone		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Naphthalene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Nitrobenzene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
N-Nitrosodi-n-Propylamine		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
N-Nitrosodiphenylamine		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Pentachlorophenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Phenanthrene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Phenol		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Pyrene		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				
Pyridine		ND	0.00990	ND	0.0101	ND	0.00962	ND	0.00990				

Brent Barron II
Odessa Laboratory Manager

Final 1.000

Certificate of Analysis Summary 428606

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Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	428606-001		428606-002		428606-003		428606-004			
	Field Id:	MW-1		MW-2		MW-3		MW-4			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30			
VOAs by SW-846 8260B	***Extracted:***	Oct-03-11 13:17		Oct-03-11 13:18		Oct-03-11 13:19		Oct-03-11 13:20			
SUB: E871002	***Analyzed:***	Oct-03-11 19:54		Oct-03-11 20:16		Oct-03-11 20:38		Oct-03-11 21:00			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
1,1,1,2-Tetrachloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1,1-Trichloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1,2,2-Tetrachloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1,2-Trichloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1-Dichloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1-Dichloroethene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,1-Dichloropropene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2,3-Trichlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2,3-Trichloropropane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2,4-Trichlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2,4-Trimethylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2-Dibromo-3-Chloropropane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2-Dibromoethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2-Dichlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2-Dichloroethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,2-Dichloropropane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,3,5-Trimethylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,3-Dichlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,3-Dichloropropane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
1,4-Dichlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
2,2-Dichloropropane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
2-Chlorotoluene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
4-Chlorotoluene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Benzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Bromobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		

Brent Barron II
Odessa Laboratory Manager

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	428606-001		428606-002		428606-003		428606-004			
	Field Id:	MW-1		MW-2		MW-3		MW-4			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30			
VOAs by SW-846 8260B SUB: E871002	*Extracted:*	Oct-03-11 13:17		Oct-03-11 13:18		Oct-03-11 13:19		Oct-03-11 13:20			
	Analyzed:	Oct-03-11 19:54		Oct-03-11 20:16		Oct-03-11 20:38		Oct-03-11 21:00			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Bromochloromethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Bromodichloromethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Bromoform		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Bromomethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Carbon Tetrachloride		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Chlorobenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Chloroethane		ND	0.0100	ND	0.0100	ND	0.0100	ND	0.0100		
Chloroform		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Chloromethane		ND	0.0100	ND	0.0100	ND	0.0100	ND	0.0100		
cis-1,2-Dichloroethene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
cis-1,3-Dichloropropene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Dibromochloromethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Dibromomethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Dichlorodifluoromethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Ethylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Hexachlorobutadiene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
isopropylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
m,p-Xylenes		ND	0.0100	ND	0.0100	ND	0.0100	ND	0.0100		
Methylene Chloride		0.00563	0.00500	0.00552	0.00500	0.00589	0.00500	0.00548	0.00500		
MTBE		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Naphthalene		ND	0.0100	ND	0.0100	ND	0.0100	ND	0.0100		
n-Butylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
n-Propylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
o-Xylene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
p-Cymene (p-Isopropyltoluene)		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		

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

Brent Barron II
Odessa Laboratory Manager

Final 1.000

Certificate of Analysis Summary 428606

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Thu Sep-29-11 08:46 am
Report Date: 14-OCT-11
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	428606-001		428606-002		428606-003		428606-004			
	Field Id:	MW-1		MW-2		MW-3		MW-4			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Sep-28-11 13:45		Sep-28-11 12:30		Sep-28-11 13:45		Sep-28-11 13:30			
VOAs by SW-846 8260B	*Extracted:*	Oct-03-11 13:17		Oct-03-11 13:18		Oct-03-11 13:19		Oct-03-11 13:20			
SUB: E871002	*Analyzed:*	Oct-03-11 19:54		Oct-03-11 20:16		Oct-03-11 20:38		Oct-03-11 21:00			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Sec-Butylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Styrene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
tert-Butylbenzene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Tetrachloroethylene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Toluene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
trans-1,2-dichloroethene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
trans-1,3-dichloropropene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Trichloroethene		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Trichlorofluoromethane		ND	0.00500	ND	0.00500	ND	0.00500	ND	0.00500		
Vinyl Chloride		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200		

Brent Barron II
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XENCO Laboratories

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

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

+ Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

Work Orders : 428606,

Project ID:

Lab Batch #: 871572 **Sample:** 428606-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 18:14

SVOAs by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0364	0.0495	74	43-116	
2-Fluorophenol	0.0195	0.0495	39	21-100	
Nitrobenzene-d5	0.0335	0.0495	68	35-114	
Phenol-d6	0.0127	0.0495	26	10-94	
Terphenyl-D14	0.0389	0.0495	79	33-141	
2,4,6-Tribromophenol	0.0387	0.0495	78	10-123	

Lab Batch #: 871572 **Sample:** 428606-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 18:38

SVOAs by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0380	0.0505	75	43-116	
2-Fluorophenol	0.0211	0.0505	42	21-100	
Nitrobenzene-d5	0.0352	0.0505	70	35-114	
Phenol-d6	0.0141	0.0505	28	10-94	
Terphenyl-D14	0.0414	0.0505	82	33-141	
2,4,6-Tribromophenol	0.0402	0.0505	80	10-123	

Lab Batch #: 871572 **Sample:** 428606-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 19:02

SVOAs by EPA 8270C	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0340	0.0481	71	43-116	
2-Fluorophenol	0.0175	0.0481	36	21-100	
Nitrobenzene-d5	0.0316	0.0481	66	35-114	
Phenol-d6	0.0114	0.0481	24	10-94	
Terphenyl-D14	0.0407	0.0481	85	33-141	
2,4,6-Tribromophenol	0.0356	0.0481	74	10-123	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

rk Orders : 428606,

Project ID:

Lab Batch #: 871572 **Sample:** 428606-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 19:26

SVOAs by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0360	0.0495	73	43-116	
2-Fluorophenol	0.0200	0.0495	40	21-100	
Nitrobenzene-d5	0.0335	0.0495	68	35-114	
Phenol-d6	0.0124	0.0495	25	10-94	
Terphenyl-D14	0.0403	0.0495	81	33-141	
2,4,6-Tribromophenol	0.0363	0.0495	73	10-123	

Lab Batch #: 871684 **Sample:** 428606-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 19:54

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0468	0.0500	94	74-124	
Dibromofluoromethane	0.0551	0.0500	110	75-131	
1,2-Dichloroethane-D4	0.0519	0.0500	104	63-144	
Toluene-D8	0.0476	0.0500	95	80-117	

ab Batch #: 871684 **Sample:** 428606-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 20:16

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0473	0.0500	95	74-124	
Dibromofluoromethane	0.0554	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0503	0.0500	101	63-144	
Toluene-D8	0.0458	0.0500	92	80-117	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

Work Orders : 428606,

Project ID:

Lab Batch #: 871684 **Sample:** 428606-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 20:38

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0467	0.0500	93	74-124	
Dibromofluoromethane	0.0559	0.0500	112	75-131	
1,2-Dichloroethane-D4	0.0507	0.0500	101	63-144	
Toluene-D8	0.0460	0.0500	92	80-117	

Lab Batch #: 871684 **Sample:** 428606-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 21:00

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0486	0.0500	97	74-124	
Dibromofluoromethane	0.0550	0.0500	110	75-131	
1,2-Dichloroethane-D4	0.0461	0.0500	92	63-144	
Toluene-D8	0.0475	0.0500	95	80-117	

Lab Batch #: 871684 **Sample:** 612285-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 13:12

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0482	0.0500	96	74-124	
Dibromofluoromethane	0.0543	0.0500	109	75-131	
1,2-Dichloroethane-D4	0.0495	0.0500	99	63-144	
Toluene-D8	0.0461	0.0500	92	80-117	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

rk Orders : 428606,

Project ID:

Lab Batch #: 871572 **Sample:** 612125-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 15:00

SVOAs by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0473	0.0500	95	43-116	
2-Fluorophenol	0.0454	0.0500	91	21-100	
Nitrobenzene-d5	0.0441	0.0500	88	35-114	
Phenol-d6	0.0458	0.0500	92	10-94	
Terphenyl-D14	0.0505	0.0500	101	33-141	
2,4,6-Tribromophenol	0.0435	0.0500	87	10-123	

Lab Batch #: 871684 **Sample:** 612285-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 11:44

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0474	0.0500	95	74-124	
Dibromofluoromethane	0.0552	0.0500	110	75-131	
1,2-Dichloroethane-D4	0.0489	0.0500	98	63-144	
Toluene-D8	0.0476	0.0500	95	80-117	

ab Batch #: 871572 **Sample:** 612125-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 15:24

SVOAs by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0432	0.0500	86	43-116	
2-Fluorophenol	0.0434	0.0500	87	21-100	
Nitrobenzene-d5	0.0409	0.0500	82	35-114	
Phenol-d6	0.0452	0.0500	90	10-94	
Terphenyl-D14	0.0462	0.0500	92	33-141	
2,4,6-Tribromophenol	0.0472	0.0500	94	10-123	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

Work Orders : 428606, **Project ID:**

Lab Batch #: 871684 **Sample:** 612285-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 12:05

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0479	0.0500	96	74-124	
Dibromofluoromethane	0.0555	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0494	0.0500	99	63-144	
Toluene-D8	0.0471	0.0500	94	80-117	

Lab Batch #: 871572 **Sample:** 612125-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 10/03/11 15:49

SVOAs by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.0417	0.0500	83	43-116	
2-Fluorophenol	0.0420	0.0500	84	21-100	
Nitrobenzene-d5	0.0400	0.0500	80	35-114	
Phenol-d6	0.0434	0.0500	87	10-94	
Terphenyl-D14	0.0443	0.0500	89	33-141	
2,4,6-Tribromophenol	0.0458	0.0500	92	10-123	

Lab Batch #: 871684 **Sample:** 428104-009 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 10/03/11 14:02

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0462	0.0500	92	74-124	
Dibromofluoromethane	0.0557	0.0500	111	75-131	
1,2-Dichloroethane-D4	0.0464	0.0500	93	63-144	
Toluene-D8	0.0471	0.0500	94	80-117	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

ork Orders : 428606,

Project ID:

Lab Batch #: 871684 **Sample:** 428104-009 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 10/03/11 14:23

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0457	0.0500	91	74-124	
Dibromofluoromethane	0.0540	0.0500	108	75-131	
1,2-Dichloroethane-D4	0.0456	0.0500	91	63-144	
Toluene-D8	0.0473	0.0500	95	80-117	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Blank Spike Recovery

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Lab Batch #: 872310 **Sample:** 612364-1-BKS **Matrix:** Water

Date Analyzed: 10/13/2011 **Date Prepared:** 10/06/2011 **Analyst:** AMB

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

ICP-MS Metals by SW 6020A Analytes	BLANK /BLANK SPIKE RECOVERY STUDY					
	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.0100	1.00	0.861	86	80-120	
Boron	<0.0100	0.200	0.204	102	80-120	
Cobalt	<0.00500	0.200	0.188	94	80-120	
Copper	<0.00200	0.200	0.189	95	80-120	
Iron	<0.150	1.00	0.946	95	80-120	
Manganese	<0.00200	0.200	0.190	95	80-120	
Molybdenum	<0.00200	0.200	0.203	102	80-120	
Nickel	<0.00500	0.200	0.189	95	80-120	
Zinc	<0.00300	0.200	0.187	94	80-120	

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

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: BRB **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871512 **Sample:** 871512-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 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	<0.500	10.0	10.6	106	10.0	10.6	106	0	80-120	20	

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

XENCO Laboratories

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: ZHO **Date Prepared:** 10/01/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871572 **Sample:** 612125-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

SVOAs by EPA 8270C 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
1,2,4-Trichlorobenzene	<0.0100	0.0500	0.0425	85	0.0500	0.0404	81	5	56-104	25	
1,2-Dichlorobenzene	<0.0100	0.0500	0.0422	84	0.0500	0.0399	80	6	53-106	25	
1,3-Dichlorobenzene	<0.0100	0.0500	0.0420	84	0.0500	0.0395	79	6	52-105	25	
1,4-Dichlorobenzene	<0.0100	0.0500	0.0417	83	0.0500	0.0392	78	6	54-105	25	
2,4,5-Trichlorophenol	<0.0100	0.0500	0.0460	92	0.0500	0.0435	87	6	55-114	25	
2,4,6-Trichlorophenol	<0.0100	0.0500	0.0450	90	0.0500	0.0423	85	6	57-113	25	
2,4-Dichlorophenol	<0.0100	0.0500	0.0446	89	0.0500	0.0426	85	5	60-110	25	
2,4-Dimethylphenol	<0.0100	0.0500	0.0433	87	0.0500	0.0410	82	5	50-108	25	
2,4-Dinitrophenol	<0.0200	0.0500	0.0466	93	0.0500	0.0453	91	3	52-111	25	
2,4-Dinitrotoluene	<0.0100	0.0500	0.0470	94	0.0500	0.0445	89	5	60-116	25	
2,6-Dinitrotoluene	<0.0100	0.0500	0.0453	91	0.0500	0.0425	85	6	60-115	25	
2-Chloronaphthalene	<0.0100	0.0500	0.0415	83	0.0500	0.0393	79	5	58-105	25	
2-Chlorophenol	<0.0100	0.0500	0.0423	85	0.0500	0.0400	80	6	58-106	25	
2-Methylnaphthalene	<0.0100	0.0500	0.0437	87	0.0500	0.0415	83	5	57-106	25	
2-methylphenol	<0.0100	0.0500	0.0426	85	0.0500	0.0398	80	7	52-106	25	
2-Nitroaniline	<0.0200	0.0500	0.0397	79	0.0500	0.0379	76	5	55-120	25	
2-Nitrophenol	<0.0100	0.0500	0.0437	87	0.0500	0.0420	84	4	57-105	25	
3&4-Methylphenol	<0.0100	0.0500	0.0428	86	0.0500	0.0406	81	5	23-140	25	
3,3-Dichlorobenzidine	<0.0100	0.0500	0.0447	89	0.0500	0.0430	86	4	36-123	25	
3-Nitroaniline	<0.0200	0.0500	0.0446	89	0.0500	0.0424	85	5	49-120	25	

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

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: ZHO **Date Prepared:** 10/01/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871572 **Sample:** 612125-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

SVOAs by EPA 8270C 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
4,6-dinitro-2-methyl phenol	<0.0100	0.0500	0.0442	88	0.0500	0.0423	85	4	57-119	25	
4-Bromophenyl-phenylether	<0.0100	0.0500	0.0445	89	0.0500	0.0426	85	4	58-112	25	
4-chloro-3-methylphenol	<0.0100	0.0500	0.0453	91	0.0500	0.0433	87	5	58-116	25	
4-Chloroaniline	<0.0200	0.0500	0.0419	84	0.0500	0.0400	80	5	2-123	25	
4-Chlorophenyl Phenyl Ether	<0.0100	0.0500	0.0459	92	0.0500	0.0433	87	6	59-109	25	
4-Nitroaniline	<0.0200	0.0500	0.0458	92	0.0500	0.0430	86	6	52-118	25	
4-Nitrophenol	<0.0100	0.0500	0.0447	89	0.0500	0.0427	85	5	18-104	25	
Acenaphthene	<0.0100	0.0500	0.0428	86	0.0500	0.0402	80	6	54-114	25	
Acenaphthylene	<0.0100	0.0500	0.0435	87	0.0500	0.0410	82	6	53-113	25	
Aniline (Phenylamine, Aminobenzene)	<0.0200	0.0500	0.0391	78	0.0500	0.0372	74	5	35-104	25	
Anthracene	<0.0100	0.0500	0.0446	89	0.0500	0.0421	84	6	56-116	25	
Benzo(a)anthracene	<0.0100	0.0500	0.0450	90	0.0500	0.0427	85	5	59-116	25	
Benzo(a)pyrene	<0.0100	0.0500	0.0436	87	0.0500	0.0416	83	5	58-118	25	
Benzo(b)fluoranthene	<0.0100	0.0500	0.0399	80	0.0500	0.0367	73	8	54-123	25	
Benzo(g,h,i)perylene	<0.0100	0.0500	0.0464	93	0.0500	0.0446	89	4	47-129	25	
Benzo(k)fluoranthene	<0.0100	0.0500	0.0407	81	0.0500	0.0410	82	1	52-122	25	
Benzoic Acid	<0.0500	0.150	0.135	90	0.150	0.132	88	2	4-113	25	
Benzyl Butyl Phthalate	<0.0100	0.0500	0.0400	80	0.0500	0.0378	76	6	57-122	25	
bis(2-chloroethoxy) methane	<0.0100	0.0500	0.0392	78	0.0500	0.0368	74	6	53-112	25	
bis(2-chloroethyl) ether	<0.0100	0.0500	0.0404	81	0.0500	0.0383	77	5	57-108	25	

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

XENCO Laboratories

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: ZHO **Date Prepared:** 10/01/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871572 **Sample:** 612125-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

SVOAs by EPA 8270C 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
bis(2-chloroisopropyl) ether	<0.0100	0.0500	0.0351	70	0.0500	0.0333	67	5	54-111	25	
bis(2-ethylhexyl) phthalate	<0.0100	0.0500	0.0408	82	0.0500	0.0388	78	5	59-119	25	
Chrysene	<0.0100	0.0500	0.0441	88	0.0500	0.0420	84	5	58-116	25	
Dibenz(a,h)Anthracene	<0.0100	0.0500	0.0456	91	0.0500	0.0439	88	4	46-131	25	
Dibenzofuran	<0.0100	0.0500	0.0439	88	0.0500	0.0415	83	6	56-111	25	
Diethyl Phthalate	<0.0100	0.0500	0.0463	93	0.0500	0.0435	87	6	62-114	25	
Dimethyl Phthalate	<0.0100	0.0500	0.0452	90	0.0500	0.0428	86	5	59-113	25	
di-n-Butyl Phthalate	<0.0100	0.0500	0.0424	85	0.0500	0.0406	81	4	60-118	25	
di-n-Octyl Phthalate	<0.0100	0.0500	0.0398	80	0.0500	0.0379	76	5	49-129	25	
Fluoranthene	<0.0100	0.0500	0.0474	95	0.0500	0.0452	90	5	55-120	25	
Fluorene	<0.0100	0.0500	0.0450	90	0.0500	0.0426	85	5	56-114	25	
Hexachlorobenzene	<0.0100	0.0500	0.0461	92	0.0500	0.0441	88	4	60-109	25	
Hexachlorobutadiene	<0.0100	0.0500	0.0443	89	0.0500	0.0420	84	5	52-107	25	
Hexachlorocyclopentadiene	<0.0100	0.0500	0.0215	43	0.0500	0.0209	42	3	32-115	25	
Hexachloroethane	<0.0100	0.0500	0.0402	80	0.0500	0.0379	76	6	46-115	25	
Indeno(1,2,3-c,d)Pyrene	<0.0100	0.0500	0.0462	92	0.0500	0.0446	89	4	44-132	25	
Isophorone	<0.0100	0.0500	0.0407	81	0.0500	0.0386	77	5	57-107	25	
Naphthalene	<0.0100	0.0500	0.0419	84	0.0500	0.0400	80	5	53-110	25	
Nitrobenzene	<0.0100	0.0500	0.0393	79	0.0500	0.0371	74	6	56-107	25	
N-Nitrosodi-n-Propylamine	<0.0100	0.0500	0.0438	88	0.0500	0.0415	83	5	21-137	25	

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

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: ZHO **Date Prepared:** 10/01/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871572 **Sample:** 612125-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

SVOAs by EPA 8270C 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
N-Nitrosodiphenylamine	<0.0100	0.0500	0.0413	83	0.0500	0.0394	79	5	50-121	25	
Pentachlorophenol	<0.0100	0.0500	0.0445	89	0.0500	0.0425	85	5	36-132	25	
Phenanthrene	<0.0100	0.0500	0.0434	87	0.0500	0.0412	82	5	56-116	25	
Phenol	<0.0100	0.0500	0.0404	81	0.0500	0.0382	76	6	19-89	25	
Pyrene	<0.0100	0.0500	0.0436	87	0.0500	0.0412	82	6	57-119	25	
Pyridine	<0.0100	0.0500	0.0362	72	0.0500	0.0336	67	7	5-94	25	

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

XENCO Laboratories

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: CYE **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871684 **Sample:** 612285-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260B 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
1,1,1,2-Tetrachloroethane	<0.00500	0.0500	0.0571	114	0.0500	0.0568	114	1	75-125	20	
1,1,1-Trichloroethane	<0.00500	0.0500	0.0603	121	0.0500	0.0586	117	3	75-125	20	
1,1,2,2-Tetrachloroethane	<0.00500	0.0500	0.0421	84	0.0500	0.0469	94	11	50-130	31	
1,1,2-Trichloroethane	<0.00500	0.0500	0.0440	88	0.0500	0.0470	94	7	75-127	20	
1,1-Dichloroethane	<0.00500	0.0500	0.0558	112	0.0500	0.0527	105	6	60-130	20	
1,1-Dichloroethene	<0.00500	0.0500	0.0578	116	0.0500	0.0550	110	5	59-172	22	
1,1-Dichloropropene	<0.00500	0.0500	0.0563	113	0.0500	0.0537	107	5	75-125	20	
1,2,3-Trichlorobenzene	<0.00500	0.0500	0.0454	91	0.0500	0.0481	96	6	75-137	20	
1,2,3-Trichloropropane	<0.00500	0.0500	0.0524	105	0.0500	0.0571	114	9	75-125	20	
1,2,4-Trichlorobenzene	<0.00500	0.0500	0.0466	93	0.0500	0.0483	97	4	75-135	20	
1,2,4-Trimethylbenzene	<0.00500	0.0500	0.0554	111	0.0500	0.0534	107	4	75-125	20	
1,2-Dibromo-3-Chloropropane	<0.00500	0.0500	0.0409	82	0.0500	0.0487	97	17	59-125	28	
1,2-Dibromoethane	<0.00500	0.0500	0.0482	96	0.0500	0.0508	102	5	73-125	20	
1,2-Dichlorobenzene	<0.00500	0.0500	0.0542	108	0.0500	0.0537	107	1	75-125	20	
1,2-Dichloroethane	<0.00500	0.0500	0.0541	108	0.0500	0.0538	108	1	68-127	20	
1,2-Dichloropropane	<0.00500	0.0500	0.0463	93	0.0500	0.0459	92	1	74-125	20	
1,3,5-Trimethylbenzene	<0.00500	0.0500	0.0549	110	0.0500	0.0535	107	3	70-125	20	
1,3-Dichlorobenzene	<0.00500	0.0500	0.0558	112	0.0500	0.0551	110	1	75-125	20	
1,3-Dichloropropane	<0.00500	0.0500	0.0461	92	0.0500	0.0477	95	3	75-125	20	
1,4-Dichlorobenzene	<0.00500	0.0500	0.0560	112	0.0500	0.0541	108	3	75-125	20	

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

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606
Analyst: CYE
Lab Batch ID: 871684
Sample: 612285-1-BKS
Units: mg/L

Date Prepared: 10/03/2011
Batch #: 1

Project ID:
Date Analyzed: 10/03/2011
Matrix: Water

VOAs by SW-846 8260B 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
2,2-Dichloropropane	<0.00500	0.0500	0.0571	114	0.0500	0.0546	109	4	60-140	20	
2-Chlorotoluene	<0.00500	0.0500	0.0566	113	0.0500	0.0551	110	3	73-125	20	
4-Chlorotoluene	<0.00500	0.0500	0.0531	106	0.0500	0.0518	104	2	74-125	20	
Benzene	<0.00500	0.0500	0.0483	97	0.0500	0.0475	95	2	66-142	21	
Bromobenzene	<0.00500	0.0500	0.0520	104	0.0500	0.0526	105	1	60-130	20	
Bromochloromethane	<0.00500	0.0500	0.0587	117	0.0500	0.0597	119	2	73-125	20	
Bromodichloromethane	<0.00500	0.0500	0.0559	112	0.0500	0.0557	111	0	75-125	20	
Bromoform	<0.00500	0.0500	0.0509	102	0.0500	0.0546	109	7	75-125	20	
Bromomethane	<0.00500	0.0500	0.0539	108	0.0500	0.0522	104	3	70-130	20	
Carbon Tetrachloride	<0.00500	0.0500	0.0644	129	0.0500	0.0619	124	4	62-125	20	H
Chlorobenzene	<0.00500	0.0500	0.0523	105	0.0500	0.0516	103	1	60-133	21	
Chloroethane	<0.0100	0.0500	0.0475	95	0.0500	0.0444	89	7	70-130	20	
Chloroform	<0.00500	0.0500	0.0564	113	0.0500	0.0550	110	3	74-125	20	
Chloromethane	<0.0100	0.0500	0.0439	88	0.0500	0.0414	83	6	70-130	20	
cis-1,2-Dichloroethene	<0.00500	0.0500	0.0536	107	0.0500	0.0523	105	2	60-130	20	
cis-1,3-Dichloropropene	<0.00500	0.0500	0.0475	95	0.0500	0.0477	95	0	60-140	20	
Dibromochloromethane	<0.00500	0.0500	0.0556	111	0.0500	0.0557	111	0	60-130	20	
Dibromomethane	<0.00500	0.0500	0.0506	101	0.0500	0.0514	103	2	69-127	23	
Dichlorodifluoromethane	<0.00500	0.0500	0.0498	100	0.0500	0.0456	91	9	70-130	23	
Ethylbenzene	<0.00500	0.0500	0.0503	101	0.0500	0.0499	100	1	75-125	20	

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

XENCO Laboratories

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606 **Project ID:**

Analyst: CYE **Date Prepared:** 10/03/2011 **Date Analyzed:** 10/03/2011

Lab Batch ID: 871684 **Sample:** 612285-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

VOAs by SW-846 8260B 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
Hexachlorobutadiene	<0.00500	0.0500	0.0484	97	0.0500	0.0477	95	1	75-125	20	
isopropylbenzene	<0.00500	0.0500	0.0532	106	0.0500	0.0508	102	5	75-125	20	
m,p-Xylenes	<0.0100	0.100	0.107	107	0.100	0.104	104	3	75-125	20	
Methylene Chloride	<0.00500	0.0500	0.0515	103	0.0500	0.0504	101	2	75-125	35	
MTBE	<0.00500	0.100	0.105	105	0.100	0.109	109	4	75-125	20	
Naphthalene	<0.0100	0.0500	0.0500	100	0.0500	0.0559	112	11	65-135	20	
n-Butylbenzene	<0.00500	0.0500	0.0514	103	0.0500	0.0500	100	3	75-125	20	
n-Propylbenzene	<0.00500	0.0500	0.0558	112	0.0500	0.0548	110	2	75-125	20	
o-Xylene	<0.00500	0.0500	0.0542	108	0.0500	0.0531	106	2	75-125	20	
p-Cymene (p-Isopropyltoluene)	<0.00500	0.0500	0.0573	115	0.0500	0.0547	109	5	75-125	20	
Sec-Butylbenzene	<0.00500	0.0500	0.0535	107	0.0500	0.0520	104	3	75-125	20	
Styrene	<0.00500	0.0500	0.0520	104	0.0500	0.0511	102	2	60-130	51	
tert-Butylbenzene	<0.00500	0.0500	0.0561	112	0.0500	0.0539	108	4	75-125	20	
Tetrachloroethylene	<0.00500	0.0500	0.0530	106	0.0500	0.0504	101	5	60-130	20	
Toluene	<0.00500	0.0500	0.0497	99	0.0500	0.0478	96	4	59-139	21	
trans-1,2-dichloroethene	<0.00500	0.0500	0.0565	113	0.0500	0.0551	110	3	60-130	20	
trans-1,3-dichloropropene	<0.00500	0.0500	0.0425	85	0.0500	0.0442	88	4	66-125	20	
Trichloroethene	<0.00500	0.0500	0.0545	109	0.0500	0.0532	106	2	62-137	24	
Trichlorofluoromethane	<0.00500	0.0500	0.0662	132	0.0500	0.0630	126	5	67-125	20	H
Vinyl Chloride	<0.00200	0.0500	0.0499	100	0.0500	0.0466	93	7	75-125	20	

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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Boyd Compressor Station

Work Order #: 428606

Lab Batch #: 871512 **Project ID:**

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** BRB

QC- Sample ID: 428778-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	5090	5000	10600	110	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Boyd Compressor Station

Work Order # : 428606 **Project ID:**

Lab Batch ID: 872310 **QC- Sample ID:** 428612-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/13/2011 **Date Prepared:** 10/06/2011 **Analyst:** AMB

Reporting Units: mg/L

ICP-MS Metals by SW 6020A 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
Aluminum	<0.0100	1.00	0.830	83	1.00	0.833	83	0	75-125	25	
Boron	0.267	0.200	0.489	111	0.200	0.492	113	1	75-125	25	
Cobalt	<0.00500	0.200	0.182	91	0.200	0.185	93	2	75-125	25	
Copper	0.00757	0.200	0.188	90	0.200	0.191	92	2	75-125	25	
Iron	<0.150	1.00	0.935	94	1.00	0.949	95	1	75-125	25	
Manganese	0.00468	0.200	0.190	93	0.200	0.192	94	1	75-125	25	
Molybdenum	0.00498	0.200	0.209	102	0.200	0.215	105	3	75-125	25	
Nickel	<0.00500	0.200	0.182	91	0.200	0.184	92	1	75-125	25	
Zinc	0.612	0.200	0.747	68	0.200	0.740	64	1	75-125	25	X

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

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

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

Form 3 - MS / MSD Recoveries

Project Name: Boyd Compressor Station

Work Order # : 428606 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

VOAs by SW-846 8260B 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
1,1,1,2-Tetrachloroethane	<0.00500	0.0500	0.0659	132	0.0500	0.0549	110	18	75-125	20	X
1,1,1-Trichloroethane	<0.00500	0.0500	0.0713	143	0.0500	0.0597	119	18	75-125	20	X
1,1,2,2-Tetrachloroethane	<0.00500	0.0500	0.0502	100	0.0500	0.0438	88	14	50-130	31	
1,1,2-Trichloroethane	<0.00500	0.0500	0.0522	104	0.0500	0.0444	89	16	75-127	20	
1,1-Dichloroethane	<0.00500	0.0500	0.0632	126	0.0500	0.0531	106	17	60-130	20	
1,1-Dichloroethene	<0.00500	0.0500	0.0689	138	0.0500	0.0571	114	19	59-172	22	
1,1-Dichloropropene	<0.00500	0.0500	0.0659	132	0.0500	0.0556	111	17	75-125	20	X
1,2,3-Trichlorobenzene	<0.00500	0.0500	0.0564	113	0.0500	0.0498	100	12	75-137	20	
1,2,3-Trichloropropane	<0.00500	0.0500	0.0574	115	0.0500	0.0509	102	12	75-125	20	
1,2,4-Trichlorobenzene	<0.00500	0.0500	0.0570	114	0.0500	0.0503	101	12	75-135	20	
1,2,4-Trimethylbenzene	<0.00500	0.0500	0.0643	129	0.0500	0.0531	106	19	75-125	20	X
1,2-Dibromo-3-Chloropropane	<0.00500	0.0500	0.0475	95	0.0500	0.0423	85	12	59-125	28	
1,2-Dibromoethane	<0.00500	0.0500	0.0558	112	0.0500	0.0490	98	13	73-125	20	
1,2-Dichlorobenzene	<0.00500	0.0500	0.0626	125	0.0500	0.0543	109	14	75-125	20	
1,2-Dichloroethane	<0.00500	0.0500	0.0616	123	0.0500	0.0520	104	17	68-127	20	
1,2-Dichloropropane	<0.00500	0.0500	0.0523	105	0.0500	0.0453	91	14	74-125	20	
1,3,5-Trimethylbenzene	<0.00500	0.0500	0.0645	129	0.0500	0.0533	107	19	70-125	20	X
1,3-Dichlorobenzene	<0.00500	0.0500	0.0670	134	0.0500	0.0562	112	18	75-125	20	X
1,3-Dichloropropane	<0.00500	0.0500	0.0519	104	0.0500	0.0454	91	13	75-125	20	
1,4-Dichlorobenzene	<0.00500	0.0500	0.0652	130	0.0500	0.0554	111	16	75-125	20	X
2,2-Dichloropropane	<0.00500	0.0500	0.0684	137	0.0500	0.0568	114	19	60-140	20	
2-Chlorotoluene	<0.00500	0.0500	0.0663	133	0.0500	0.0557	111	17	73-125	20	X
4-Chlorotoluene	<0.00500	0.0500	0.0623	125	0.0500	0.0527	105	17	74-125	20	

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

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

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

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Boyd Compressor Station

Work Order # : 428606 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00500	0.0500	0.0565	113	0.0500	0.0476	95	17	66-142	21	
Bromobenzene	<0.00500	0.0500	0.0602	120	0.0500	0.0511	102	16	60-130	20	
Bromochloromethane	<0.00500	0.0500	0.0685	137	0.0500	0.0554	111	21	73-125	20	XF
Bromodichloromethane	<0.00500	0.0500	0.0640	128	0.0500	0.0523	105	20	75-125	20	X
Bromoform	<0.00500	0.0500	0.0580	116	0.0500	0.0484	97	18	75-125	20	
Bromomethane	<0.00500	0.0500	0.0524	105	0.0500	0.0498	100	5	70-130	20	
Carbon Tetrachloride	<0.00500	0.0500	0.0759	152	0.0500	0.0629	126	19	62-125	20	X
Chlorobenzene	<0.00500	0.0500	0.0613	123	0.0500	0.0520	104	16	60-133	21	
Chloroethane	<0.0100	0.0500	0.0472	94	0.0500	0.0463	93	2	70-130	20	
Chloroform	<0.00500	0.0500	0.0649	130	0.0500	0.0537	107	19	74-125	20	X
Chloromethane	<0.0100	0.0500	0.0426	85	0.0500	0.0415	83	3	70-130	20	
cis-1,2-Dichloroethene	<0.00500	0.0500	0.0633	127	0.0500	0.0529	106	18	60-130	20	
cis-1,3-Dichloropropene	<0.00500	0.0500	0.0537	107	0.0500	0.0449	90	18	60-140	20	
Dibromochloromethane	<0.00500	0.0500	0.0620	124	0.0500	0.0519	104	18	60-130	20	
Dibromomethane	<0.00500	0.0500	0.0581	116	0.0500	0.0483	97	18	69-127	23	
Dichlorodifluoromethane	<0.00500	0.0500	0.0505	101	0.0500	0.0491	98	3	70-130	23	
Ethylbenzene	<0.00500	0.0500	0.0600	120	0.0500	0.0507	101	17	75-125	20	
Hexachlorobutadiene	<0.00500	0.0500	0.0599	120	0.0500	0.0522	104	14	75-125	20	
isopropylbenzene	<0.00500	0.0500	0.0619	124	0.0500	0.0530	106	15	75-125	20	
m,p-Xylenes	<0.0100	0.100	0.125	125	0.100	0.106	106	16	75-125	20	
Methylene Chloride	0.00765	0.0500	0.0663	117	0.0500	0.0559	97	17	75-125	35	
MTBE	<0.00500	0.100	0.104	104	0.100	0.101	101	3	75-125	20	
Naphthalene	<0.0100	0.0500	0.0603	121	0.0500	0.0537	107	12	65-135	20	

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

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

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

Form 3 - MS / MSD Recoveries

Project Name: Boyd Compressor Station

Work Order # : 428606 **Project ID:**

Lab Batch ID: 871684 **QC- Sample ID:** 428104-009 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 10/03/2011 **Date Prepared:** 10/03/2011 **Analyst:** CYE

Reporting Units: mg/L

VOAs by SW-846 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
n-Butylbenzene	<0.00500	0.0500	0.0622	124	0.0500	0.0526	105	17	75-125	20	
n-Propylbenzene	<0.00500	0.0500	0.0671	134	0.0500	0.0566	113	17	75-125	20	X
o-Xylene	<0.00500	0.0500	0.0636	127	0.0500	0.0532	106	18	75-125	20	X
p-Cymene (p-Isopropyltoluene)	<0.00500	0.0500	0.0675	135	0.0500	0.0575	115	16	75-125	20	X
Sec-Butylbenzene	<0.00500	0.0500	0.0648	130	0.0500	0.0550	110	16	75-125	20	X
Styrene	<0.00500	0.0500	0.0580	116	0.0500	0.0468	94	21	60-130	51	
tert-Butylbenzene	<0.00500	0.0500	0.0668	134	0.0500	0.0559	112	18	75-125	20	X
Tetrachloroethylene	<0.00500	0.0500	0.0635	127	0.0500	0.0555	111	13	60-130	20	
Toluene	<0.00500	0.0500	0.0577	115	0.0500	0.0488	98	17	59-139	21	
trans-1,2-dichloroethene	<0.00500	0.0500	0.0665	133	0.0500	0.0556	111	18	60-130	20	X
trans-1,3-dichloropropene	<0.00500	0.0500	0.0494	99	0.0500	0.0413	83	18	66-125	20	
Trichloroethene	<0.00500	0.0500	0.0647	129	0.0500	0.0545	109	17	62-137	24	
Trichlorofluoromethane	<0.00500	0.0500	0.0656	131	0.0500	0.0672	134	2	67-125	20	X
Vinyl Chloride	<0.00200	0.0500	0.0489	98	0.0500	0.0503	101	3	75-125	20	

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

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Boyd Compressor Station

Work Order #: 428606

Lab Batch #: 871512 **Project ID:**

Date Analyzed: 10/03/2011 14:31 **Date Prepared:** 10/03/2011 **Analyst:** BRB

QC- Sample ID: 428605-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	312	246	24	20	F

Lab Batch #: 871512

Date Analyzed: 10/03/2011 14:31 **Date Prepared:** 10/03/2011 **Analyst:** BRB

QC- Sample ID: 428778-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	5090	5070	0	20	

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

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

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

Sampler Signature:

e-mail: bjarguijo@basinenv.com

Project Name: Boyd Compressor Station

Project #:

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 428606

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: [illegible]	Volatiles 8260	Semivolatiles 8270	BTEX 8021B/5030 or BTEX 8260	CHLORIDES	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	MW-1			9/28/2011	1345		6	X	X	X						GW						X	X	X	X	X		X
02	MW-2			9/28/2011	1230		6	X	X	X						GW									X			X
03	MW-3			9/28/2011	1345		6	X	X	X						GW									X			X
04	MW-4			9/28/2011	1330		6	X	X	X						GW									X			X

TCLP:

TOTAL:

Special Instructions:

NMW QCC Metals

Relinquished by:	Date	Time	Received by:	Date	Time
	9/28/11	1525		9/28/11	1525
	9/29/11	0846	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			A. Hernandez	9/30/11	8:46

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 1.5 °C

Final 1.000

XENCO Laboratories

XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Southern Union Gas
Date/Time: 9/29/11 8:46
Lab ID # : 428606
Initials: AH

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	(Yes)	No	N/A	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	1.5 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Analytical Report 433031

for

Southern Union Gas Services- Monahans

Project Manager: Rose Slade

Boyd Compressor Station

20-DEC-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

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)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
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)

XENCO Laboratories

20-DEC-11

Project Manager: **Rose Slade**
Southern Union Gas Services- Monahans
1507 W. 15th Street
Monahans, TX 79756

Reference: XENCO Report No: **433031**
Boyd Compressor Station
Project Address: Lea County, NM

Rose Slade:

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 433031. 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. 433031 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 II
Odessa Laboratory Manager

XENCO Laboratories

Sample Cross Reference 433031

Southern Union Gas Services- Monahans, Monahans, TX

Boyd Compressor Station

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	12-01-11 12:20		433031-001
MW-2	W	12-01-11 13:00		433031-002
MW-3	W	12-01-11 13:40		433031-003
MW-4	W	12-01-11 13:45		433031-004

CASE NARRATIVE

XENCO Laboratories

Client Name: Southern Union Gas Services- Monahans
Project Name: Boyd Compressor Station

Project ID:
Work Order Number: 433031

Report Date: 20-DEC-11
Date Received: 12/09/2011

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-876848 BTEX by EPA 8021B
SW8021BM

Batch 876848, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 433031-003.

Certificate of Analysis Summary 433031

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Boyd Compressor Station

Project Id:
Contact: Rose Slade
Project Location: Lea County, NM

Date Received in Lab: Fri Dec-09-11 12:30 pm
Report Date: 20-DEC-11
Project Manager: Brent Barron II

Analysis Requested	*Lab Id:*	433031-001		433031-002		433031-003		433031-004			
	Field Id:	MW-1		MW-2		MW-3		MW-4			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Dec-01-11 12:20		Dec-01-11 13:00		Dec-01-11 13:40		Dec-01-11 13:45			
Anions by E300	*Extracted:*										
	Analyzed:	Dec-14-11 12:18		Dec-14-11 12:18		Dec-14-11 12:18		Dec-14-11 12:18			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Chloride		4050	100	126	10.0	115	10.0	206	10.0		
BTEX by EPA 8021B	*Extracted:*	Dec-09-11 15:45		Dec-09-11 15:45		Dec-09-11 15:45		Dec-09-11 15:45			
	Analyzed:	Dec-10-11 05:39		Dec-10-11 06:01		Dec-10-11 06:23		Dec-10-11 06:46			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Benzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100		
Toluene		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200		
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100		
m_p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200		
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100		
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100		
Total BTEX		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100		

Brent Barron II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

rk Orders : 433031,

Project ID:

Lab Batch #: 876848 **Sample:** 433031-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 05:39

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
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	0.0251	0.0300	84	80-120	

Lab Batch #: 876848 **Sample:** 433031-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 06:01

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0249	0.0300	83	80-120	

Lab Batch #: 876848 **Sample:** 433031-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 06:23

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0234	0.0300	78	80-120	*

Lab Batch #: 876848 **Sample:** 433031-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 06:46

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 876848 **Sample:** 615303-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 05:17

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Boyd Compressor Station

Work Orders : 433031,

Project ID:

Lab Batch #: 876848 **Sample:** 615303-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 03:47

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 876848 **Sample:** 615303-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 04:09

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 876848 **Sample:** 433031-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 09:44

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

Lab Batch #: 876848 **Sample:** 433031-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12/10/11 10:06

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: Boyd Compressor Station

Work Order #: 433031 **Project ID:**

Analyst: ASA **Date Prepared:** 12/09/2011 **Date Analyzed:** 12/10/2011

Lab Batch ID: 876848 **Sample:** 615303-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.116	116	0.100	0.112	112	4	70-125	25	
Toluene	<0.00200	0.100	0.115	115	0.100	0.112	112	3	70-125	25	
Ethylbenzene	<0.00100	0.100	0.118	118	0.100	0.118	118	0	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.228	114	0.200	0.229	115	0	70-131	25	
o-Xylene	<0.00100	0.100	0.115	115	0.100	0.115	115	0	71-133	25	

Analyst: BRB **Date Prepared:** 12/14/2011 **Date Analyzed:** 12/14/2011

Lab Batch ID: 877276 **Sample:** 877276-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300 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	<0.500	10.0	10.9	109	10.0	11.0	110	1	80-120	20	

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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Boyd Compressor Station

Work Order #: 433031
Lab Batch #: 877276
Project ID:
Date Analyzed: 12/14/2011
Date Prepared: 12/14/2011
Analyst: BRB
QC- Sample ID: 433232-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	82.0	200	285	102	80-120	

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

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Boyd Compressor Station

Work Order # : 433031 **Project ID:**

Lab Batch ID: 876848 **QC- Sample ID:** 433031-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12/10/2011 **Date Prepared:** 12/09/2011 **Analyst:** ASA

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.105	105	0.100	0.110	110	5	70-125	25	
Toluene	<0.00200	0.100	0.105	105	0.100	0.110	110	5	70-125	25	
Ethylbenzene	<0.00100	0.100	0.109	109	0.100	0.114	114	4	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.210	105	0.200	0.223	112	6	70-131	25	
o-Xylene	<0.00100	0.100	0.105	105	0.100	0.112	112	6	71-133	25	

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

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

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

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Boyd Compressor Station

Work Order #: 433031

Lab Batch #: 877276 **Project ID:**

Date Analyzed: 12/14/2011 12:18 **Date Prepared:** 12/14/2011 **Analyst:** BRB

QC- Sample ID: 433232-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	82.0	83.6	2	20	

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

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Ben J. Arguijo

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P.O. Box 301

City/State/Zip: Lovington, NM 88260

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

Sampler Signature: [signature]

e-mail: bjarguijo@basinenv.com

Project Name: Boyd Compressor Station

Project #:

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 433031

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice (250 ml poly)	HNO3	HCl (40 ml vial)	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: TPH: 418.1	TPH: 8015M	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	CHLORIDES	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	MW-1			12/1/2011	1220		4	X		X						GW										X	X		X
02	MW-2			12/1/2011	1300		4	X		X						GW										X	X		X
03	MW-3			12/1/2011	1340		4	X		X						GW										X	X		X
04	MW-4			12/1/2011	1345		4	X		X						GW										X	X		X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/8/11	1230			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Elam	Date 12-9-11	Time 12:30

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 0 °C

XENCO Laboratories

XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 8/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Basin Env.
Date/Time: 12.9.11 12:30
Lab ID #: 433031
Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	(N/A)	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs ( ) °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis