elpaso Natural Gas

February 18, 2009

Via Hand Delivered

New Mexico Energy, Minerals, and Natural Resources Dept.
Oil Conservation Division, District 1 Office
1625 N. French Drive
Hobbs, NM 88240
(575) 393-6161 X-111 office
(575) 393-0720 fax

RECEIVED
FEB 19 2009
HOBBSOCD

Re: El Paso Natural Gas Company
Eunice A Compressor Station
A283 Gulf Road
Oil Center, NM 88240
Latitude: North 32° 30.847' **Longitude:** West 103° 17.389'

Dear Mr. Jeff Leking:

This correspondence is based on El Paso Natural Gas (EPNG) Company's discussion in December 2008 with you and is a summary of the work completed at EPNG's Eunice A Compressor Station since the initial spill notification on March 6, 2007. Included in this summary report are the following:

Attachment A – C-141 Notification
Attachment B – Lab Results of Released Liquid
Attachment C – Sketch of Release & Sample Locations
Attachment D – Lab Results from Sample Locations

On March 6, 2007 operations personnel identified a leak in the drain line for the cooling tower blow down. The line runs from the cooling tower offsite to a holding tank owned by Rice Engineering, a third-party disposal firm. A summary of the release and EPNG's corrective action activities are summarized in the C-141 Notification behind Attachment A.

A sample was collected of the liquid released and analyzed for Total Petroleum Hydrocarbons (TPH), BTEX, and chlorides as requested by the NMOCD. A separate soil sample was collected a foot beneath the ground surface between the cooling tower pump building and the fin fans and analyzed for TPH. The lab results for these two samples are included behind Attachment B.

As noted in the initial release notification approximately 300 gallons was released. EPNG responded quickly to the release and notified Rice Engineering of the break in their line. Rice Engineering repaired their line and the liquid was on the surface less than 8 hours before being suctioned back into the pipe.

EPNG met with DCP personnel and secured approval to conduct sampling underneath their aboveground pipeline and on September 18, 2007 EPNG collected soil samples to determine if there was any impact to the soil in the spill area. During the collection of the soil samples, EPNG discovered that much of the underlying soil in the area appeared to be caliche and the

hand-auger met refusal at between 30 inches and 42 inches. The sample locations are depicted in the hand-sketched site drawing behind Attachment C. A summary of the data is included in the table below. Thirteen samples were collected and tested for TPH and chlorides. Results are listed in parts per million (ppm). The lab results can be found behind Attachment D along with a lab report from TransWest Geochem.

In the C-141 notification, EPNG mentioned stained stockpiled soil. This soil was in fact the small gravel berm operations personnel created to contain the spill. This material is in the same area where the initial spill was bermed near samples 5 and 7.

Samples 1 and 2 were taken near the northwest corner of the cooling tower pump building. Sample 1 was taken at 24 inches below ground surface (bgs) and Sample 2 was taken at 48 inches bgs. Neither sample was above the lab's detection limits.

East of the fin fans, samples 3 and 4 were taken at 24 inches bgs and 30 inches bgs, respectively. TPH concentrations were below the lab's detection limits. The highest chloride concentration, 320 ppm, was at 30 inches bgs. Initially, Sample 4 was to be taken at 48 inches bgs but the hand auger met refusal at 30 inches bgs.

Samples 5, 6, and 7 were taken in the area where operations' personnel created the berm and collection area for the spill. Sample 6 was a duplicate sample taken at 24 inches bgs. TPH concentrations were below the lab's detection limits listed in the table below. Chloride concentrations decreased from 280 ppm to 100 ppm as depth increased from 24 inches bgs to 36 inches bgs. Initially, Sample 7 was to be taken at 48 inches bgs but the hand auger met refusal at 36 inches bgs.

Samples 8 through 13 were taken on DCP's property where the initial spill went offsite. Samples 8 and 9 were taken adjacent to the aboveground pipeline that parallels EPNG's northern fence line. Samples 8 and 9 were taken at 24 inches bgs and 30 inches bgs, respectively. TPH concentrations were below the lab's detection limits listed in the table below. The highest chloride concentration was Sample 9 at 490 ppm. Sample 9 was collected at 30 inches bgs. Sample 9 was to be taken at 48 inches bgs but the hand auger met refusal at 30 inches bgs.

Sample 10 was taken at the surface approximately 61 ft. west of samples 8 and 9 adjacent to the aboveground pipeline. TPH and chloride concentrations were below the detection limits listed in the table below.

Samples 11 and 12 were taken approximately 45 ft. east of samples 8 and 9 underneath the aboveground pipeline. Samples 11 and 12 were taken at 24 inches bgs and 42 inches bgs, respectively. TPH concentrations were below the lab detection limits listed in the table below. Chloride concentrations decreased from 410 ppm to 22 ppm as depth increased from 24 inches bgs to 42 inches bgs. Sample 12 was to be taken at 48 inches bgs but the hand auger met refusal at 42 inches bgs.

Sample 13 was taken at the surface approximately 38 ft. east of samples 11 and 12 underneath the aboveground pipeline. TPH and chloride concentrations were below the lab detection limits listed in the table below.

Eunice A Sample Results

Sample I.D.	Depth (in inches)	Chloride (ppm)	Total Petroleum Hydrocarbons (8015AZ)			
			C6 - C10 *GRO* (ppm)	**C10 - C22** *DRO* (ppm)	**C22 - C32** *ORO* (ppm)	**C10 - C32** *SRL* (ppm)
Sample 1	24	< 5.0	< 20	< 30	< 100	< 130
Sample 2	48	< 5.0	< 20	< 30	< 100	< 130
Sample 3	24	170	< 20	< 30	< 100	< 130
Sample 4	30	320	< 20	< 30	< 100	< 130
Sample 5	24	280	< 20	37	< 100	< 130
Sample 6	24	180	< 20	< 30	< 100	< 130
Sample 7	36	100	< 20	< 30	< 100	< 130
Sample 8	24	350	< 100	< 150	< 500	< 650
Sample 9	30	490	< 20	< 30	< 100	< 130
Sample 10	surface sample	< 5.0	< 100	< 150	< 500	< 650
Sample 11	24	410	< 20	< 30	< 100	< 130
Sample 12	42	22	< 20	< 30	< 100	< 130
Sample 13	surface sample	< 5.0	< 20	< 30	< 100	< 130

After discussing these sample results with Mr. Williams of the NMOCD, he said to go ahead and submit these results along with a request for closure. If you have any questions regarding this material, please feel free to contact me at (432) 686-3268.

El Paso Natural Gas Company

Sincerely,

Glen Thompson
Principal Environmental Representative
atc

CC: Kenny Morrow – Plains Area Operations manager
Sandra Miller – Environmental Manager, PWED

Attachment A

C-141 Notification

RECEIVED
FEB 19 2009
HOBBSOCD

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company El Paso Natural Gas	Contact Glen Thompson
Address 3300 North A St., Bld. Two, #200, Midland, TX 79705	Telephone No. (432) 686-3268
Facility Name Eunice A Plant @ 283 Gulf Rd. Oil Center, NM 88240	Facility Type Gas Compressor Station

Surface Owner El Paso Natural Gas	Mineral Owner	Lease No.

CLOSEST WELL 30-025-04511-00-00

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	5	21 South	36 East					Lea

Latitude N 32 30.847' **Longitude** W 103 17.389'

NATURE OF RELEASE

Type of Release Liquid	Volume of Release 300 gallons / Volume Recovered None
Source of Release Drain line from cooling tower	Date and Hour of Occurrence 3/6/07 / Date and Hour of Discovery 3/6/07 2:00 am
Was Immediate Notice Given? Courtesy call ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? 1:55 am Chris Williams, Supervisor of District 1 Office
By Whom? Glen Thompson	Date and Hour March 6, 2007 @ approx. 11 a.m.
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

WATER @ 175'

Describe Cause of Problem and Remedial Action Taken.* The drain line for the blow down water from the cooling tower drains off-site to a third party disposal firm named Rice Engineering The line broke inside El Paso Natural Gas's (EPNG) property behind the cooling tower pump house. The drain line appeared to have been over-pressurized. When the drain line broke, approximately 300 gallons of liquid were released to the surface. Surface soil was bermed to contain the spill. Approximately, 20 gallons traveled off EPNG's property to the northern adjacent property of DCP Midstream DCP Midstream and Rice Engineering were both contacted and the drain line was repaired Rice Engineering installed a check valve and new butterfly valve to prevent any future over-pressure of the drain line

Describe Area Affected and Cleanup Action Taken.* The flow ran approx. 20 ft. north along west side of the pump house bldg. and then moved east beside the fin fan cage for approx. 60 ft and turned north running between the fin fans and the control room for approx. 50 ft where plant personnel built a dike out of soil and gravel to capture the spill. While personnel were closing Rice Engineering's valve, the temporary berm began leaking and approx 20 gallons of liquid ran under the north fence onto DCP Midstream property The leak was discovered within a few minutes of the breach and repaired At the request of Kevin Gerber of DCP Midstream, EPNG spread fertilizer on the affected area of their property and covered it with clean soil. Stained gravel in the Eunice yard has been stockpiled by the fin fans while awaiting lab results

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

Signature: Glen Thompson	OIL CONSERVATION DIVISION
Printed Name: Glen Thompson	Approved by District Supervisor: Geoffrey Leking
Title: Principal Environmental Representative	Approval Date: 02/23/09 / Expiration Date: —
E-mail Address: glen.thompson@elpaso.com	Conditions of Approval: / Attached ☐
Date: 03-19-2007 Phone: (432) 686-3268	IRP-09-2-2093

* Attach Additional Sheets If Necessary

fAGRL0905428853

Attachment B

Lab Results of Released Liquid

elpaso

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	**REPORT DATE:**	3/16/2007
	Hobbs, NM	**REQUEST NO:**	2007030242
	(505) 492-2380	**APPROVED BY:**	Campbell, Darrell
		PENDING REQ. ID:	2007030242
DEPARTMENT:	Midland Division		
DISTRIBUTION:	Haveman, Billy; Howell, Timothy G, Thompson, Glen; Uribe, Osias, Whitney, Mark P		
PERFORMED BY:	Transwest Geochem		

Request Description	Wastewater Line Break
Date Received	3/8/2007
Date Completed	3/9/2007

Sample No	1	Sampled By	Darrell Campbell	Sample Date	3/6/2007 9 00 00 AM
Received Vol			Received Date	3/8/2007	
Description	Liquid from pool West of Control Room				
Analysis	WP-Special GT				
Purpose	Disposal/Environmental Concerns				
Matrix	Aqueous Liquid				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Wastewater Line				
Sample No	2	Sampled By	Darrell Campbell	Sample Date	3/6/2007 9 00 01 AM
Received Vol			Received Date	3/8/2007	
Description	Soil from between Pump Room and Fin fans Sampled at a depth of 1Ft below surface				
Analysis	WP Special GT2				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Wastewater Line				

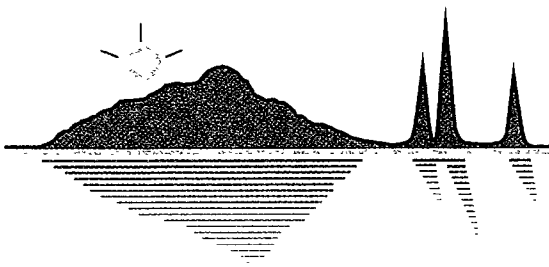
Data: See attached sheet(s)

Comments

Sample:	**1**
Total Petroleum Hydrocarbon	
Gasoline Range Organics (C6-C10) (mg/l)	56
Diesel Range Organics (C10-C22) (mg/l)	7
Oil Range Organics (C22-C32) (mg/l)	< 10
Fuel Hydrocarbons (C10-C32) (mg/l)	7
Anions	
Chloride (mg/l)	30000
BTEX Analysis	
Benzene (µg/l)	9100
Toluene (µg/l)	1000
Ethyl Benzene (µg/l)	6500
Xylene (Total) (µg/l)	2700

Request: 2007030242

Sample:	**2**
Total Petroleum Hydrocarbon	
Gasoline Range Organics (C6-C10) (mg/Kg)	< 100
Diesel Range Organics (C10-C22) (mg/Kg)	< 150
Oil Range Organics (C22-C32) (mg/Kg)	< 500
Fuel Hydrocarbons (C10-C32) (mg/Kg)	< 650



TRANSWEST GEOCHEM

April 03, 2007

Darrell Campbell
El Paso Natural Gas Company
8645 Railroad Drive
El Paso, TX 79904

RE: Eunice Plant/2007030242
Work Order No.: 0703183

Dear Darrell,

Transwest Geochem, Inc. received 2 samples on 3/08/07. The results of the analyses are presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Marcia A. Smith
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 03-Apr-07

Client: El Paso Natural Gas Company
Work Order: 0703183
Project Name: Eunice Plant
Project Number: 2007030242

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

3725 E. Atlanta Avenue • Phoenix, Arizona 85040 • (602) 437-0330 • (800) 927-5183 • Fax (602) 437-0660
3860 S. Palo Verde Rd. • Suite 301 • Tucson, Arizona 85714 • (520) 573-1061 • Fax (520) 573-1063

TRANSWEST GEOCHEM

Date Printed 03-Apr-07
License No. AZM133/AZ0133

CLIENT:	El Paso Natural Gas Company
Project Name:	Eunice Plant
Project Number:	2007030242
Work Order:	0703183
Date Received:	08-Mar-07

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
L1	The associated blank spike recovery was above laboratory acceptance limits.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

TRANSWEST GEOCHEM

Date Printed 03-Apr-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Project Name: Eunice Plant
Project Number: 2007030242
Work Order: 0703183

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
1	0703183-01A	SW8260B	3/06/07 09:00 AM	3/08/07 09:45 AM
	0703183-01B	EPA300	3/06/07 09:00 AM	3/08/07 09:45 AM
	0703183-01C	8015B, MOD	3/06/07 09:00 AM	3/08/07 09:45 AM
2	0703183-02A	8015AZ	3/06/07 09:00 AM	3/08/07 09:45 AM

TRANSWEST GEOCHEM

Date Printed 03-Apr-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Project Name: Eunice Plant
Project Number: 2007030242
Work Order: 0703183
Date Received: 08-Mar-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

TRANSWEST GEOCHEM

Date Printed 03-Apr-07
License No. AZM133/AZ0133

CLIENT:	El Paso Natural Gas Company
Project Name:	Eunice Plant
Project Number:	2007030242
Work Order:	0703183
Date Received:	08-Mar-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, 1998.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 418.1AZ: TPH in Soil, September 1994.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

TRANSWEST GEOCHEM

Date Printed 03-Apr-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Lab ID: 0703183-01
Project Name: Eunice Plant
Project Number: 2007030242

Client Sample ID: 1
Collection Date: 3/6/2007 9:00:00 AM
Matrix: Aqueous

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	**56**	2.0		mg/L	1.0	8015B, MOD	3/12/07	3/13/07 13:14	MJB	13174
C10-C22 DRO	**7.0**	3.0		mg/L	1.0	8015B, MOD	3/12/07	3/13/07 13:14	MJB	13174
C22-C32 ORO	<10	10		mg/L	1.0	8015B, MOD	3/12/07	3/13/07 13:14	MJB	13174
o-Terphenyl(Surrogate)	107	47-168		%REC	1.0	8015B, MOD	3/12/07	3/13/07 13:14	MJB	13174
Chloride	**30000**	2500	D2	mg/L	1000	EPA300	N/A	3/15/07	TL	IC3/15/2007
Benzene	**9100**	50	D2	µg/L	100	SW8260B	N/A	3/12/07 18:08	NMM	R70312A
Ethylbenzene	**1000**	20	D2	µg/L	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B
Toluene	**6500**	300	D2	µg/L	100	SW8260B	N/A	3/12/07 18:08	NMM	R70312A
Xylenes, Total	**2700**	30	D2	µg/L	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B
4-Bromofluorobenzene(Surrogate)	92	70-130		%REC	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B
Dibromofluoromethane(Surrogate)	92	70-130		%REC	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B
1,2-Dichloroethane-d4(Surrogate)	96	68-128		%REC	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B
Toluene-d8(Surrogate)	96	70-130		%REC	10	SW8260B	N/A	3/9/07 8:28	NMM	R70308B

TRANSWEST GEOCHEM

Date Printed 03-Apr-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Lab ID: 0703183-02
Project Name: Eunice Plant
Project Number: 2007030242

Client Sample ID: 2
Collection Date: 3/6/2007 9:00:00 AM
Matrix: Solid

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<100	100	D1	mg/Kg	5.0	8015AZ	3/12/07	3/12/07 18:07	MJB	13171
C10-C22 DRO	<150	150	D1	mg/Kg	5.0	8015AZ	3/12/07	3/12/07 18:07	MJB	13171
C22-C32 ORO	<500	500	D1	mg/Kg	5.0	8015AZ	3/12/07	3/12/07 18:07	MJB	13171
C10-C32 SRL	<650	650	D1	mg/Kg	5.0	8015AZ	3/12/07	3/12/07 18:07	MJB	13171
o-Terphenyl(Surrogate)	83	70-130		%REC	5.0	8015AZ	3/12/07	3/12/07 18:07	MJB	13171

TRANSWEST GEOCHEM

Date: 03-Apr-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	3/12/07	3/12/07 15:49	MJB	13171
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	3/12/07	3/12/07 15:49	MJB	13171
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	3/12/07	3/12/07 15:49	MJB	13171
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	3/12/07	3/12/07 15:49	MJB	13171
o-Terphenyl	89	70-130		%REC	1	8015AZ	3/12/07	3/12/07 15:49	MJB	13171
C6-C10 GRO	<2.0	2.0		mg/L	1	8015B, MOD	3/12/07	3/13/07 10:57	MJB	13174
C10-C22 DRO	<3.0	3.0		mg/L	1	8015B, MOD	3/12/07	3/13/07 10:57	MJB	13174
C22-C32 ORO	<10	10		mg/L	1	8015B, MOD	3/12/07	3/13/07 10:57	MJB	13174
o-Terphenyl	109	47-168		%REC	1	8015B, MOD	3/12/07	3/13/07 10:57	MJB	13174
Chloride	<2.5	2.5		mg/L	1	EPA300	N/A	3/15/07	TL	IC3/15/2007

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Bromoform	<1.0	1.0	V1	µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Chloroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8 07	NMM	R70312A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8 07	NMM	R70312A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8 07	NMM	R70312A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Hexachlorobutadiene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Iodomethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8.07	NMM	R70312A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2,3-Trichlorobenzene	<5.0	5.0	V1	µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2,4-Trichlorobenzene	<5.0	5.0	V1	µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
4-Bromofluorobenzene	96	70-130		%REC	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Dibromofluoromethane	94	70-130		%REC	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
1,2-Dichloroethane-d4	95	68-128		%REC	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A
Toluene-d8	95	70-130		%REC	1	SW8260B	N/A	3/12/07 8:07	NMM	R70312A

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Chloroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21.45	NMM	R70308B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Hexachlorobutadiene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Iodomethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21 45	NMM	R70308B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2,3-Trichlorobenzene	<5.0	5.0	V1	µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/8/07 21.45	NMM	R70308B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/8/07 21.45	NMM	R70308B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
4-Bromofluorobenzene	93	70-130		%REC	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Dibromofluoromethane	94	70-130		%REC	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
1,2-Dichloroethane-d4	100	68-128		%REC	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B
Toluene-d8	94	70-130		%REC	1	SW8260B	N/A	3/8/07 21:45	NMM	R70308B

TRANSWEST GEOCHEM

Date: 03-Apr-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0703183-02A-MS**	Batch ID: 13171			Test Code: 8015AZ				Date Analyzed: 03/12/07 18:53			
Client ID: **2**				Units: mg/Kg				Date Prepared: 3/12/07			
C10-C22 DRO	435	150	500		87%	37	139				
o-Terphenyl	8.73	N/A	10.0		87%	70	130				
Sample ID: **0703183-02A-MSD**	Batch ID: 13171			Test Code: 8015AZ				Date Analyzed: 03/12/07 19:38			
Client ID: **2**				Units: mg/Kg				Date Prepared: 3/12/07			
C10-C22 DRO	441	150	500		88%	37	139	435	1%	20	
o-Terphenyl	9.46	N/A	10.0		95%	70	130				
Sample ID: **0703183-01C-MS**	Batch ID: 13174			Test Code: 8015B, MOD				Date Analyzed: 03/13/07 13:59			
Client ID: **1**				Units: mg/L				Date Prepared: 3/12/07			
C10-C22 DRO	57.0	3.0	50.0	7.04	100%	57	141				
o-Terphenyl	1.03	N/A	1.00		103%	47	168				
Sample ID: **0703183-01C-MSD**	Batch ID: 13174			Test Code: 8015B, MOD				Date Analyzed: 03/13/07 14:46			
Client ID: **1**				Units: mg/L				Date Prepared: 3/12/07			
C10-C22 DRO	58.5	3.0	50.0	7.04	103%	57	141	57	3%	20	
o-Terphenyl	1.04	N/A	1.00		104%	47	168				
Sample ID: **0703183-01B-MS**	Batch ID: IC3/15/2007			Test Code: EPA300				Date Analyzed: 03/15/07 00:00			
Client ID: **1**				Units: mg/L				Date Prepared: N/A			
Chloride	152400	13000	125000	28690	99%	80	120				
Sample ID: **0703183-01B-MSD**	Batch ID: IC3/15/2007			Test Code: EPA300				Date Analyzed: 03/15/07 00:00			
Client ID: **1**				Units: mg/L				Date Prepared: N/A			
Chloride	151800	13000	125000	28690	98%	80	120	152400	0%	20	

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0703073-03A-MS**	Batch ID: R70312A			Test Code: SW8260B				Date Analyzed: 03/12/07 17:01			
Client ID:				Units: µg/L				Date Prepared: N/A			
Acetone	12.76	10	20.00		64%	13	189				
Benzene	20.13	0.50	20.00		101%	70	130				
Bromobenzene	19.45	1.5	20.00		97%	70	130				
Bromochloromethane	19.50	0.50	20.00		98%	70	130				
Bromodichloromethane	20.65	0.50	20.00		103%	70	130				
Bromoform	20.97	1.0	20.00		105%	70	130				
Bromomethane	19.26	5.0	20.00		96%	45	148				
2-Butanone	16.39	5.0	20.00		82%	54	149				
n-Butylbenzene	20.00	2.5	20.00		100%	70	130				
sec-Butylbenzene	22.40	1.5	20.00		112%	70	130				
tert-Butylbenzene	21.42	2.5	20.00		107%	70	130				
Carbon disulfide	25.04	0.50	20.00		125%	66	161				
Carbon tetrachloride	22.50	0.50	20.00		113%	71	148				
Chlorobenzene	19.80	0.50	20.00		99%	70	130				
Dibromochloromethane	20.94	0.50	20.00		105%	70	130				
Chloroethane	19.97	5.0	20.00		100%	57	159				
Chloroform	22.40	0.50	20.00	1.99	102%	70	130				
Chloromethane	18.05	5.0	20.00		90%	49	141				
2-Chlorotoluene	20.44	1.5	20.00		102%	70	130				
4-Chlorotoluene	19.89	2.0	20.00		99%	70	130				
1,2-Dibromo-3-chloropropane	20.15	2.0	20.00		101%	70	130				
1,2-Dibromoethane	20.67	0.50	20.00		103%	70	130				
Dibromomethane	20.32	0.50	20.00		102%	70	130				
1,2-Dichlorobenzene	20.04	1.5	20.00		100%	70	130				
1,3-Dichlorobenzene	19.84	1.5	20.00		99%	70	130				
1,4-Dichlorobenzene	19.62	1.5	20.00		98%	70	130				
Dichlorodifluoromethane	14.73	2.0	20.00		74%	6	169				
1,1-Dichloroethane	19.73	1.0	20.00		99%	67	135				
1,2-Dichloroethane	20.92	1.0	20.00		105%	70	130				
1,1-Dichloroethene	22.35	0.50	20.00	0.51	109%	59	168				
cis-1,2-Dichloroethene	19.77	0.50	20.00		99%	70	130				
trans-1,2-Dichloroethene	19.99	0.50	20.00		100%	70	130				
1,2-Dichloropropane	19.50	0.50	20.00		98%	70	130				
1,3-Dichloropropane	19.36	1.0	20.00		97%	70	130				
2,2-Dichloropropane	20.59	0.50	20.00		103%	55	152				
1,1-Dichloropropene	22.23	1.0	20.00		111%	68	150				
cis-1,3-Dichloropropene	20.17	1.0	20.00		101%	70	130				
trans-1,3-Dichloropropene	22.23	0.50	20.00		111%	70	130				
Ethylbenzene	21.45	2.0	20.00		107%	70	130				
Hexachlorobutadiene	24.76	5.0	20.00		124%	66	136				
2-Hexanone	16.28	5.0	20.00		81%	63	127				
Iodomethane	26.38	2.0	20.00		132%	48	148				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	24.78	2.5	20.00		124%	74	141				
4-Isopropyltoluene	21.46	1.5	20.00		107%	70	130				
Methylene chloride	18.15	3.0	20.00		91%	70	130				
4-Methyl-2-pentanone	16.54	5.0	20.00		83%	70	130				
Methyl tert-butyl ether	20.71	2.0	20.00		104%	66	135				
Naphthalene	21.42	5.0	20.00		107%	53	127				
n-Propylbenzene	21.70	2.0	20.00		109%	70	130				
Styrene	16.98	1.0	20.00		85%	62	124				
1,1,1,2-Tetrachloroethane	21.74	0.50	20.00		109%	70	130				
1,1,2,2-Tetrachloroethane	19.54	0.50	20.00		98%	70	130				
Tetrachloroethene	30.32	0.50	20.00	8.29	110%	69	131				
Toluene	20.69	3.0	20.00		103%	70	130				
1,2,3-Trichlorobenzene	23.59	5.0	20.00		118%	53	129				
1,2,4-Trichlorobenzene	22.83	5.0	20.00		114%	59	121				
1,1,1-Trichloroethane	21.44	0.50	20.00		107%	73	138				
1,1,2-Trichloroethane	20.31	0.50	20.00		102%	70	130				
Trichloroethene	22.90	0.50	20.00	1.52	107%	70	130				
Trichlorofluoromethane	20.91	2.0	20.00		105%	58	193				
1,2,3-Trichloropropane	19.75	1.0	20.00		99%	70	130				
1,2,4-Trimethylbenzene	21.14	2.0	20.00		106%	70	130				
1,3,5-Trimethylbenzene	21.73	1.5	20.00		109%	70	130				
Vinyl acetate	22.88	5.0	20.00		114%	43	140				
Vinyl chloride	20.57	0.50	20.00		103%	58	161				
Xylenes, Total	65.34	3.0	60.00		109%	70	130				
4-Bromofluorobenzene	47.48	N/A	50.00		95%	70	130				
Dibromofluoromethane	46.85	N/A	50.00		94%	70	130				
1,2-Dichloroethane-d4	46.69	N/A	50.00		93%	68	128				
Toluene-d8	48.30	N/A	50.00		97%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0703073-03A-MSD**	Batch ID: R70312A			Test Code: SW8260B				Date Analyzed: 03/12/07 17:35			
Client ID:				Units: µg/L				Date Prepared: N/A			
Acetone	12.65	10	20.00		63%	13	189	12.76	1%	23	
Benzene	19.24	0.50	20.00		96%	70	130	20.13	5%	20	
Bromobenzene	18.87	1.5	20.00		94%	70	130	19.45	3%	20	
Bromochloromethane	18.51	0.50	20.00		93%	70	130	19.5	5%	20	
Bromodichloromethane	19.61	0.50	20.00		98%	70	130	20.65	5%	20	
Bromoform	19.56	1.0	20.00		98%	70	130	20.97	7%	20	
Bromomethane	20.04	5.0	20.00		100%	45	148	19.26	4%	24	
2-Butanone	15.71	5.0	20.00		79%	54	149	16.39	4%	22	
n-Butylbenzene	19.08	2.5	20.00		95%	70	130	20	5%	20	
sec-Butylbenzene	21.69	1.5	20.00		108%	70	130	22.4	3%	20	
tert-Butylbenzene	20.70	2.5	20.00		104%	70	130	21.42	3%	20	
Carbon disulfide	24.34	0.50	20.00		122%	66	161	25.04	3%	20	
Carbon tetrachloride	21.57	0.50	20.00		108%	71	148	22.5	4%	20	
Chlorobenzene	19.00	0.50	20.00		95%	70	130	19.8	4%	20	
Dibromochloromethane	19.95	0.50	20.00		100%	70	130	20.94	5%	20	
Chloroethane	20.40	5.0	20.00		102%	57	159	19.97	2%	20	
Chloroform	21.32	0.50	20.00	1.99	97%	70	130	22.4	5%	20	
Chloromethane	17.54	5.0	20.00		88%	49	141	18.05	3%	20	
2-Chlorotoluene	19.90	1.5	20.00		100%	70	130	20.44	3%	20	
4-Chlorotoluene	19.20	2.0	20.00		96%	70	130	19.89	4%	20	
1,2-Dibromo-3-chloropropane	19.54	2.0	20.00		98%	70	130	20.15	3%	24	
1,2-Dibromoethane	19.52	0.50	20.00		98%	70	130	20.67	6%	20	
Dibromomethane	19.48	0.50	20.00		97%	70	130	20.32	4%	20	
1,2-Dichlorobenzene	19.22	1.5	20.00		96%	70	130	20.04	4%	20	
1,3-Dichlorobenzene	19.07	1.5	20.00		95%	70	130	19.84	4%	20	
1,4-Dichlorobenzene	18.87	1.5	20.00		94%	70	130	19.62	4%	20	
Dichlorodifluoromethane	14.03	2.0	20.00		70%	6	169	14.73	5%	20	
1,1-Dichloroethane	19.07	1.0	20.00		95%	67	135	19.73	3%	20	
1,2-Dichloroethane	20.10	1.0	20.00		101%	70	130	20.92	4%	20	
1,1-Dichloroethene	21.03	0.50	20.00	0.51	103%	59	168	22.35	6%	20	
cis-1,2-Dichloroethene	19.09	0.50	20.00		95%	70	130	19.77	3%	20	
trans-1,2-Dichloroethene	19.49	0.50	20.00		97%	70	130	19.99	3%	20	
1,2-Dichloropropane	18.75	0.50	20.00		94%	70	130	19.5	4%	20	
1,3-Dichloropropane	18.59	1.0	20.00		93%	70	130	19.36	4%	20	
2,2-Dichloropropane	20.21	0.50	20.00		101%	55	152	20.59	2%	20	
1,1-Dichloropropene	21.30	1.0	20.00		107%	68	150	22.23	4%	20	
cis-1,3-Dichloropropene	19.28	1.0	20.00		96%	70	130	20.17	5%	20	
trans-1,3-Dichloropropene	21.42	0.50	20.00		107%	70	130	22.23	4%	20	
Ethylbenzene	20.75	2.0	20.00		104%	70	130	21.45	3%	20	
Hexachlorobutadiene	23.31	5.0	20.00		117%	66	136	24.76	6%	24	
2-Hexanone	15.25	5.0	20.00		76%	63	127	16.28	7%	22	
Iodomethane	25.31	2.0	20.00		127%	48	148	26.38	4%	20	

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	23.73	2.5	20.00		119%	74	141	24.78	4%	20	
4-Isopropyltoluene	20.46	1.5	20.00		102%	70	130	21.46	5%	20	
Methylene chlonde	17.46	3.0	20.00		87%	70	130	18.15	4%	20	
4-Methyl-2-pentanone	15.59	5.0	20.00		78%	70	130	16.54	6%	20	
Methyl tert-butyl ether	20.00	2.0	20.00		100%	66	135	20.71	3%	22	
Naphthalene	20.98	5.0	20.00		105%	53	127	21.42	2%	36	
n-Propylbenzene	21.14	2.0	20.00		106%	70	130	21.7	3%	20	
Styrene	16.76	1.0	20.00		84%	62	124	16.98	1%	20	
1,1,1,2-Tetrachloroethane	20.76	0.50	20.00		104%	70	130	21.74	5%	20	
1,1,2,2-Tetrachloroethane	19.09	0.50	20.00		95%	70	130	19.54	2%	20	
Tetrachloroethene	29.08	0.50	20.00	8.29	104%	69	131	30.32	4%	20	
Toluene	19.61	3.0	20.00		98%	70	130	20.69	5%	20	
1,2,3-Trichlorobenzene	22.71	5.0	20.00		114%	53	129	23.59	4%	36	
1,2,4-Trichlorobenzene	21.75	5.0	20.00		109%	59	121	22.83	5%	23	
1,1,1-Trichloroethane	20.67	0.50	20.00		103%	73	138	21.44	4%	20	
1,1,2-Trichloroethane	19.18	0.50	20.00		96%	70	130	20.31	6%	20	
Trichloroethene	21.52	0.50	20.00	1.52	100%	70	130	22.9	6%	20	
Trichlorofluoromethane	20.90	2.0	20.00		105%	58	193	20.91	0%	20	
1,2,3-Trichloropropane	19.30	1.0	20.00		97%	70	130	19.75	2%	20	
1,2,4-Trimethylbenzene	20.44	2.0	20.00		102%	70	130	21.14	3%	31	
1,3,5-Trimethylbenzene	21.06	1.5	20.00		105%	70	130	21.73	3%	20	
Vinyl acetate	21.93	5.0	20.00		110%	43	140	22.88	4%	22	
Vinyl chloride	19.29	0.50	20.00		96%	58	161	20.57	6%	20	
Xylenes, Total	62.92	3.0	60.00		105%	70	130	65.34	4%	20	
4-Bromofluorobenzene	47.80	N/A	50.00		96%	70	130				
Dibromofluoromethane	47.50	N/A	50.00		95%	70	130				
1,2-Dichloroethane-d4	46.69	N/A	50.00		93%	68	128				
Toluene-d8	48.15	N/A	50.00		96%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0703073-04A-MS**	Batch ID: R70308B			Test Code: SW8260B				Date Analyzed: 03/09/07 02:48			
Client ID:				Units: µg/L				Date Prepared: N/A			
Acetone	13.79	10	20.00		69%	13	189				
Benzene	21.29	0.50	20.00		106%	70	130				
Bromobenzene	19.61	1.5	20.00		98%	70	130				
Bromochloromethane	19.49	0.50	20.00		97%	70	130				
Bromodichloromethane	19.94	0.50	20.00		100%	70	130				
Bromoform	20.24	1.0	20.00		101%	70	130				
Bromomethane	20.99	5.0	20.00		105%	45	148				
2-Butanone	16.85	5.0	20.00		84%	54	149				
n-Butylbenzene	19.80	2.5	20.00		99%	70	130				
sec-Butylbenzene	22.56	1.5	20.00		113%	70	130				
tert-Butylbenzene	21.86	2.5	20.00		109%	70	130				
Carbon disulfide	26.94	0.50	20.00		135%	66	161				
Carbon tetrachloride	22.33	0.50	20.00		112%	71	148				
Chlorobenzene	19.67	0.50	20.00		98%	70	130				
Dibromochloromethane	20.28	0.50	20.00		101%	70	130				
Chloroethane	21.45	5.0	20.00		107%	57	159				
Chloroform	20.17	0.50	20.00		101%	70	130				
Chloromethane	19.08	5.0	20.00		95%	49	141				
2-Chlorotoluene	21.28	1.5	20.00		106%	70	130				
4-Chlorotoluene	20.09	2.0	20.00		100%	70	130				
1,2-Dibromo-3-chloropropane	20.03	2.0	20.00		100%	70	130				
1,2-Dibromoethane	20.37	0.50	20.00		102%	70	130				
Dibromomethane	19.89	0.50	20.00		99%	70	130				
1,2-Dichlorobenzene	19.86	1.5	20.00		99%	70	130				
1,3-Dichlorobenzene	19.62	1.5	20.00		98%	70	130				
1,4-Dichlorobenzene	19.46	1.5	20.00		97%	70	130				
Dichlorodifluoromethane	21.08	2.0	20.00		105%	6	169				
1,1-Dichloroethane	20.48	1.0	20.00		102%	67	135				
1,2-Dichloroethane	20.76	1.0	20.00		104%	70	130				
1,1-Dichloroethene	22.69	0.50	20.00		113%	59	168				
cis-1,2-Dichloroethene	20.09	0.50	20.00		100%	70	130				
trans-1,2-Dichloroethene	20.68	0.50	20.00		103%	70	130				
1,2-Dichloropropane	20.10	0.50	20.00		101%	70	130				
1,3-Dichloropropane	19.62	1.0	20.00		98%	70	130				
2,2-Dichloropropane	18.44	0.50	20.00		92%	55	152				
1,1-Dichloropropene	22.91	1.0	20.00		115%	68	150				
cis-1,3-Dichloropropene	20.11	1.0	20.00		101%	70	130				
trans-1,3-Dichloropropene	21.87	0.50	20.00		109%	70	130				
Ethylbenzene	23.80	2.0	20.00		119%	70	130				
Hexachlorobutadiene	23.01	5.0	20.00		115%	66	136				
2-Hexanone	16.76	5.0	20.00		84%	63	127				
Iodomethane	27.47	2.0	20.00		137%	48	148				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	24.64	2.5	20.00		123%	74	141				
4-Isopropyltoluene	21.20	1.5	20.00		106%	70	130				
Methylene chloride	18.89	3.0	20.00		94%	70	130				
4-Methyl-2-pentanone	17.21	5.0	20.00		86%	70	130				
Methyl tert-butyl ether	21.70	2.0	20.00		109%	66	135				
Naphthalene	23.65	5.0	20.00		118%	53	127				
n-Propylbenzene	22.59	2.0	20.00		113%	70	130				
Styrene	18.67	1.0	20.00		93%	62	124				
1,1,1,2-Tetrachloroethane	21.29	0.50	20.00		106%	70	130				
1,1,2,2-Tetrachloroethane	20.03	0.50	20.00		100%	70	130				
Tetrachloroethene	20.67	0.50	20.00		103%	69	131				
Toluene	22.23	3.0	20.00		111%	70	130				
1,2,3-Trichlorobenzene	21.76	5.0	20.00		109%	53	129				V1
1,2,4-Trichlorobenzene	21.38	5.0	20.00		107%	59	121				
1,1,1-Trichloroethane	21.66	0.50	20.00		108%	73	138				
1,1,2-Trichloroethane	20.07	0.50	20.00		100%	70	130				
Trichloroethene	20.88	0.50	20.00		104%	70	130				
Trichlorofluoromethane	21.98	2.0	20.00		110%	58	193				
1,2,3-Trichloropropane	19.94	1.0	20.00		100%	70	130				
1,2,4-Trimethylbenzene	24.87	2.0	20.00		124%	70	130				
1,3,5-Trimethylbenzene	22.45	1.5	20.00		112%	70	130				
Vinyl acetate	19.37	5.0	20.00		97%	43	140				
Vinyl chloride	21.53	0.50	20.00		108%	58	161				
Xylenes, Total	74.98	3.0	60.00		125%	70	130				
4-Bromofluorobenzene	47.08	N/A	50.00		94%	70	130				
Dibromofluoromethane	46.51	N/A	50.00		93%	70	130				
1,2-Dichloroethane-d4	45.84	N/A	50.00		92%	68	128				
Toluene-d8	47.69	N/A	50.00		95%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: **0703073-04A-MSD** Batch ID: R70308B Test Code: SW8260B Date Analyzed: 03/09/07 03:23
Client ID: Units: µg/L Date Prepared: N/A

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Acetone	14.81	10	20.00		74%	13	189	13.79	7%	23	
Benzene	20.46	0.50	20.00		102%	70	130	21.29	4%	20	
Bromobenzene	18.94	1.5	20.00		95%	70	130	19.61	3%	20	
Bromochloromethane	19.27	0.50	20.00		96%	70	130	19.49	1%	20	
Bromodichloromethane	19.34	0.50	20.00		97%	70	130	19.94	3%	20	
Bromoform	19.94	1.0	20.00		100%	70	130	20.24	1%	20	
Bromomethane	21.80	5.0	20.00		109%	45	148	20.99	4%	24	
2-Butanone	17.55	5.0	20.00		88%	54	149	16.85	4%	22	
n-Butylbenzene	19.35	2.5	20.00		97%	70	130	19.8	2%	20	
sec-Butylbenzene	22.04	1.5	20.00		110%	70	130	22.56	2%	20	
tert-Butylbenzene	21.39	2.5	20.00		107%	70	130	21.86	2%	20	
Carbon disulfide	26.70	0.50	20.00		134%	66	161	26.94	1%	20	
Carbon tetrachloride	22.26	0.50	20.00		111%	71	148	22.33	0%	20	
Chlorobenzene	18.96	0.50	20.00		95%	70	130	19.67	4%	20	
Dibromochloromethane	19.65	0.50	20.00		98%	70	130	20.28	3%	20	
Chloroethane	22.47	5.0	20.00		112%	57	159	21.45	5%	20	
Chloroform	19.92	0.50	20.00		100%	70	130	20.17	1%	20	
Chloromethane	19.99	5.0	20.00		100%	49	141	19.08	5%	20	
2-Chlorotoluene	20.43	1.5	20.00		102%	70	130	21.28	4%	20	
4-Chlorotoluene	19.73	2.0	20.00		99%	70	130	20.09	2%	20	
1,2-Dibromo-3-chloropropane	20.47	2.0	20.00		102%	70	130	20.03	2%	24	
1,2-Dibromoethane	19.65	0.50	20.00		98%	70	130	20.37	4%	20	
Dibromomethane	19.60	0.50	20.00		98%	70	130	19.89	1%	20	
1,2-Dichlorobenzene	19.62	1.5	20.00		98%	70	130	19.86	1%	20	
1,3-Dichlorobenzene	19.19	1.5	20.00		96%	70	130	19.62	2%	20	
1,4-Dichlorobenzene	18.98	1.5	20.00		95%	70	130	19.46	2%	20	
Dichlorodifluoromethane	20.92	2.0	20.00		105%	6	169	21.08	1%	20	
1,1-Dichloroethane	20.15	1.0	20.00		101%	67	135	20.48	2%	20	
1,2-Dichloroethane	20.42	1.0	20.00		102%	70	130	20.76	2%	20	
1,1-Dichloroethene	22.39	0.50	20.00		112%	59	168	22.69	1%	20	
cis-1,2-Dichloroethene	19.60	0.50	20.00		98%	70	130	20.09	2%	20	
trans-1,2-Dichloroethene	20.35	0.50	20.00		102%	70	130	20.68	2%	20	
1,2-Dichloropropane	19.53	0.50	20.00		98%	70	130	20.1	3%	20	
1,3-Dichloropropane	18.89	1.0	20.00		94%	70	130	19.62	4%	20	
2,2-Dichloropropane	17.83	0.50	20.00		89%	55	152	18.44	3%	20	
1,1-Dichloropropene	22.25	1.0	20.00		111%	68	150	22.91	3%	20	
cis-1,3-Dichloropropene	19.50	1.0	20.00		98%	70	130	20.11	3%	20	
trans-1,3-Dichloropropene	21.20	0.50	20.00		106%	70	130	21.87	3%	20	
Ethylbenzene	20.99	2.0	20.00		105%	70	130	23.8	13%	20	
Hexachlorobutadiene	24.66	5.0	20.00		123%	66	136	23.01	7%	24	
2-Hexanone	17.09	5.0	20.00		85%	63	127	16.76	2%	22	
Iodomethane	27.24	2.0	20.00		136%	48	148	27.47	1%	20	

TRANSWEST GEOCHEM

Date: 03-Apr-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	24.19	2.5	20.00		121%	74	141	24.64	2%	20	
4-Isopropyltoluene	20.89	1.5	20.00		104%	70	130	21.2	1%	20	
Methylene chloride	18.46	3.0	20.00		92%	70	130	18.89	2%	20	
4-Methyl-2-pentanone	17.44	5.0	20.00		87%	70	130	17.21	1%	20	
Methyl tert-butyl ether	21.70	2.0	20.00		109%	66	135	21.7	0%	22	
Naphthalene	22.69	5.0	20.00		113%	53	127	23.65	4%	36	
n-Propylbenzene	21.53	2.0	20.00		108%	70	130	22.59	5%	20	
Styrene	18.11	1.0	20.00		91%	62	124	18.67	3%	20	
1,1,1,2-Tetrachloroethane	20.79	0.50	20.00		104%	70	130	21.29	2%	20	
1,1,2,2-Tetrachloroethane	19.65	0.50	20.00		98%	70	130	20.03	2%	20	
Tetrachloroethene	19.86	0.50	20.00		99%	69	131	20.67	4%	20	
Toluene	20.32	3.0	20.00		102%	70	130	22.23	9%	20	
1,2,3-Trichlorobenzene	23.42	5.0	20.00		117%	53	129	21.76	7%	36	V1
1,2,4-Trichlorobenzene	21.89	5.0	20.00		109%	59	121	21.38	2%	23	
1,1,1-Trichloroethane	21.50	0.50	20.00		108%	73	138	21.66	1%	20	
1,1,2-Trichloroethane	19.43	0.50	20.00		97%	70	130	20.07	3%	20	
Trichloroethene	20.38	0.50	20.00		102%	70	130	20.88	2%	20	
Trichlorofluoromethane	22.18	2.0	20.00		111%	58	193	21.98	1%	20	
1,2,3-Trichloropropane	19.49	1.0	20.00		97%	70	130	19.94	2%	20	
1,2,4-Trimethylbenzene	21.95	2.0	20.00		110%	70	130	24.87	12%	31	
1,3,5-Trimethylbenzene	21.66	1.5	20.00		108%	70	130	22.45	4%	20	
Vinyl acetate	19.02	5.0	20.00		95%	43	140	19.37	2%	22	
Vinyl chloride	20.99	0.50	20.00		105%	58	161	21.53	3%	20	
Xylenes, Total	64.73	3.0	60.00		108%	70	130	74.98	15%	20	
4-Bromofluorobenzene	46.82	N/A	50.00		94%	70	130				
Dibromofluoromethane	47.04	N/A	50.00		94%	70	130				
1,2-Dichloroethane-d4	46.67	N/A	50.00		93%	68	128				
Toluene-d8	47.86	N/A	50.00		96%	70	130				

TRANSWEST GEOCHEM

Date: 03-Apr-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Laboratory Fortified Blank

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LFB-13171**	Batch ID: 13171				Test Code: 8015AZ			Date Analyzed: 03/12/07 16:34			
					Units: mg/Kg			Date Prepared: 3/12/07			
C10-C22 DRO	461	30	500		92%	70	130				
o-Terphenyl	9.14	N/A	10.0		91%	70	130				
Sample ID: **LFBD-13171**	Batch ID: 13171				Test Code: 8015AZ			Date Analyzed: 03/12/07 17:20			
					Units: mg/Kg			Date Prepared: 3/12/07			
C10-C22 DRO	445	30	500		89%	70	130	461	4%	20	
o-Terphenyl	9.00	N/A	10.0		90%	70	130				
Sample ID: **LCS-13174**	Batch ID: 13174				Test Code: 8015B, MOD			Date Analyzed: 03/13/07 11:42			
					Units: mg/L			Date Prepared: 3/12/07			
C10-C22 DRO	56.1	3.0	50.0		112%	43	155				
o-Terphenyl	1.15	N/A	1.00		115%	47	168				
Sample ID: **LCSD-13174**	Batch ID: 13174				Test Code: 8015B, MOD			Date Analyzed: 03/13/07 12:28			
					Units: mg/L			Date Prepared: 3/12/07			
C10-C22 DRO	57.0	3.0	50.0		114%	43	155	56.1	2%	20	
o-Terphenyl	1.12	N/A	1.00		112%	47	168				
Sample ID: **LCS**	Batch ID: IC3/15/2007				Test Code: EPA300			Date Analyzed: 03/15/07 00:00			
					Units: mg/L			Date Prepared: N/A			
Chloride	24.24	2.5	25.00		97%	90	110				
Sample ID: **LCSD**	Batch ID: IC3/15/2007				Test Code: EPA300			Date Analyzed: 03/15/07 00:00			
					Units: mg/L			Date Prepared: N/A			
Chloride	24.00	2.5	25.00		96%	90	110	24.24	1%	20	

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: R70312A			Test Code: SW8260B				Date Analyzed: 03/12/07 08:39			
				Units: µg/L				Date Prepared: N/A			
Acetone	14.30	10	20.00		72%	39	202				
Benzene	19.67	0.50	20.00		98%	70	130				
Bromobenzene	21.23	1.5	20.00		106%	70	130				
Bromochloromethane	19.58	0.50	20.00		98%	70	130				
Bromodichloromethane	21.35	0.50	20.00		107%	70	130				
Bromoform	26.04	1.0	20.00		130%	70	130				V1
Bromomethane	18.99	5.0	20.00		95%	52	136				
2-Butanone	18.49	5.0	20.00		92%	70	159				
n-Butylbenzene	20.16	2.5	20.00		101%	70	130				
sec-Butylbenzene	22.62	1.5	20.00		113%	67	128				
tert-Butylbenzene	21.90	2.5	20.00		110%	70	130				
Carbon disulfide	24.35	0.50	20.00		122%	65	142				
Carbon tetrachloride	21.05	0.50	20.00		105%	66	128				
Chlorobenzene	21.07	0.50	20.00		105%	70	130				
Dibromochloromethane	23.73	0.50	20.00		119%	70	130				
Chloroethane	19.23	5.0	20.00		96%	67	134				
Chloroform	19.75	0.50	20.00		99%	70	130				
Chloromethane	18.53	5.0	20.00		93%	52	123				
2-Chlorotoluene	21.62	1.5	20.00		108%	70	130				
4-Chlorotoluene	21.70	2.0	20.00		109%	70	130				
1,2-Dibromo-3-chloropropane	22.11	2.0	20.00		111%	70	130				
1,2-Dibromoethane	22.56	0.50	20.00		113%	70	130				
Dibromomethane	21.38	0.50	20.00		107%	70	130				
1,2-Dichlorobenzene	21.70	1.5	20.00		109%	70	130				
1,3-Dichlorobenzene	21.35	1.5	20.00		107%	70	130				
1,4-Dichlorobenzene	21.30	1.5	20.00		107%	70	130				
Dichlorodifluoromethane	16.96	2.0	20.00		85%	17	141				
1,1-Dichloroethane	19.15	1.0	20.00		96%	70	130				
1,2-Dichloroethane	21.38	1.0	20.00		107%	70	130				
1,1-Dichloroethene	20.14	0.50	20.00		101%	67	139				
cis-1,2-Dichloroethene	19.18	0.50	20.00		96%	70	130				
trans-1,2-Dichloroethene	19.34	0.50	20.00		97%	70	130				
1,2-Dichloropropane	20.32	0.50	20.00		102%	70	130				
1,3-Dichloropropane	21.28	1.0	20.00		106%	70	130				
2,2-Dichloropropane	21.36	0.50	20.00		107%	62	139				
1,1-Dichloropropene	20.91	1.0	20.00		105%	70	130				
cis-1,3-Dichloropropene	22.33	1.0	20.00		112%	70	130				
trans-1,3-Dichloropropene	25.32	0.50	20.00		127%	70	130				
Ethylbenzene	21.90	2.0	20.00		110%	70	130				
Hexachlorobutadiene	23.55	5.0	20.00		118%	53	141				
2-Hexanone	19.30	5.0	20.00		97%	70	130				
Iodomethane	25.91	2.0	20.00		130%	65	133				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	25.34	2.5	20.00		127%	70	130				
4-Isopropyltoluene	21.80	1.5	20.00		109%	70	130				
Methylene chloride	18.22	3.0	20.00		91%	70	130				
4-Methyl-2-pentanone	19.12	5.0	20.00		96%	70	130				
Methyl tert-butyl ether	21.12	2.0	20.00		106%	70	130				
Naphthalene	21.62	5.0	20.00		108%	59	135				
n-Propylbenzene	22.59	2.0	20.00		113%	70	130				
Styrene	20.46	1.0	20.00		102%	70	130				
1,1,1,2-Tetrachloroethane	23.37	0.50	20.00		117%	70	130				
1,1,2,2-Tetrachloroethane	22.75	0.50	20.00		114%	70	130				
Tetrachloroethene	20.81	0.50	20.00		104%	70	130				
Toluene	21.07	3.0	20.00		105%	70	130				
1,2,3-Trichlorobenzene	23.02	5.0	20.00		115%	58	140				V1
1,2,4-Trichlorobenzene	23.03	5.0	20.00		115%	64	129				V1
1,1,1-Trichloroethane	20.49	0.50	20.00		102%	70	130				
1,1,2-Trichloroethane	22.08	0.50	20.00		110%	70	130				
Trichloroethene	20.35	0.50	20.00		102%	70	130				
Trichlorofluoromethane	21.10	2.0	20.00		106%	54	160				
1,2,3-Trichloropropane	22.93	1.0	20.00		115%	70	130				
1,2,4-Trimethylbenzene	22.38	2.0	20.00		112%	70	130				
1,3,5-Trimethylbenzene	22.68	1.5	20.00		113%	70	130				
Vinyl acetate	27.60	5.0	20.00		138%	57	160				
Vinyl chloride	20.12	0.50	20.00		101%	61	142				
Xylenes, Total	68.29	3.0	60.00		114%	70	130				
4-Bromofluorobenzene	50.18	N/A	50.00		100%	70	130				
Dibromofluoromethane	46.33	N/A	50.00		93%	70	130				
1,2-Dichloroethane-d4	46.03	N/A	50.00		92%	68	128				
Toluene-d8	49.10	N/A	50.00		98%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: R70308B				Test Code: SW8260B			Date Analyzed: 03/08/07 22:19			
					Units: µg/L			Date Prepared: N/A			
Acetone	22.89	10	20.00		114%	39	202				
Benzene	21.01	0.50	20.00		105%	70	130				
Bromobenzene	19.91	1.5	20.00		100%	70	130				
Bromochloromethane	20.50	0.50	20.00		103%	70	130				
Bromodichloromethane	21.55	0.50	20.00		108%	70	130				
Bromoform	21.17	1.0	20.00		106%	70	130				
Bromomethane	20.94	5.0	20.00		105%	52	136				
2-Butanone	21.09	5.0	20.00		105%	70	159				
n-Butylbenzene	20.24	2.5	20.00		101%	70	130				
sec-Butylbenzene	22.71	1.5	20.00		114%	67	128				
tert-Butylbenzene	22.05	2.5	20.00		110%	70	130				
Carbon disulfide	26.76	0.50	20.00		134%	65	142				
Carbon tetrachloride	23.32	0.50	20.00		117%	66	128				
Chlorobenzene	20.36	0.50	20.00		102%	70	130				
Dibromochloromethane	21.39	0.50	20.00		107%	70	130				
Chloroethane	20.53	5.0	20.00		103%	67	134				
Chloroform	21.51	0.50	20.00		108%	70	130				
Chloromethane	22.43	5.0	20.00		112%	52	123				
2-Chlorotoluene	21.24	1.5	20.00		106%	70	130				
4-Chlorotoluene	20.98	2.0	20.00		105%	70	130				
1,2-Dibromo-3-chloropropane	20.95	2.0	20.00		105%	70	130				
1,2-Dibromoethane	21.40	0.50	20.00		107%	70	130				
Dibromomethane	21.62	0.50	20.00		108%	70	130				
1,2-Dichlorobenzene	21.15	1.5	20.00		106%	70	130				
1,3-Dichlorobenzene	20.53	1.5	20.00		103%	70	130				
1,4-Dichlorobenzene	20.51	1.5	20.00		103%	70	130				
Dichlorodifluoromethane	22.44	2.0	20.00		112%	17	141				
1,1-Dichloroethane	21.00	1.0	20.00		105%	70	130				
1,2-Dichloroethane	23.38	1.0	20.00		117%	70	130				
1,1-Dichloroethene	21.98	0.50	20.00		110%	67	139				
cis-1,2-Dichloroethene	20.42	0.50	20.00		102%	70	130				
trans-1,2-Dichloroethene	21.05	0.50	20.00		105%	70	130				
1,2-Dichloropropane	20.75	0.50	20.00		104%	70	130				
1,3-Dichloropropane	20.62	1.0	20.00		103%	70	130				
2,2-Dichloropropane	20.08	0.50	20.00		100%	62	139				
1,1-Dichloropropene	22.98	1.0	20.00		115%	70	130				
cis-1,3-Dichloropropene	21.93	1.0	20.00		110%	70	130				
trans-1,3-Dichloropropene	23.29	0.50	20.00		116%	70	130				
Ethylbenzene	21.74	2.0	20.00		109%	70	130				
Hexachlorobutadiene	24.34	5.0	20.00		122%	53	141				
2-Hexanone	18.93	5.0	20.00		95%	70	130				
Iodomethane	28.09	2.0	20.00		140%	65	133				L1

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	24.96	2.5	20.00		125%	70	130				
4-Isopropyltoluene	21.88	1.5	20.00		109%	70	130				
Methylene chloride	19.54	3.0	20.00		98%	70	130				
4-Methyl-2-pentanone	18.71	5.0	20.00		94%	70	130				
Methyl tert-butyl ether	22.55	2.0	20.00		113%	70	130				
Naphthalene	21.82	5.0	20.00		109%	59	135				
n-Propylbenzene	22.27	2.0	20.00		111%	70	130				
Styrene	19.34	1.0	20.00		97%	70	130				
1,1,1,2-Tetrachloroethane	22.44	0.50	20.00		112%	70	130				
1,1,2,2-Tetrachloroethane	19.93	0.50	20.00		100%	70	130				
Tetrachloroethene	21.08	0.50	20.00		105%	70	130				
Toluene	21.43	3.0	20.00		107%	70	130				
1,2,3-Trichlorobenzene	23.74	5.0	20.00		119%	58	140				V1
1,2,4-Trichlorobenzene	22.61	5.0	20.00		113%	64	129				
1,1,1-Trichloroethane	22.69	0.50	20.00		113%	70	130				
1,1,2-Trichloroethane	20.75	0.50	20.00		104%	70	130				
Trichloroethene	22.23	0.50	20.00		111%	70	130				
Trichlorofluoromethane	23.51	2.0	20.00		118%	54	160				
1,2,3-Trichloropropane	21.42	1.0	20.00		107%	70	130				
1,2,4-Trimethylbenzene	22.22	2.0	20.00		111%	70	130				
1,3,5-Trimethylbenzene	22.70	1.5	20.00		114%	70	130				
Vinyl acetate	21.22	5.0	20.00		106%	57	160				
Vinyl chloride	24.36	0.50	20.00		122%	61	142				
Xylenes, Total	67.01	3.0	60.00		112%	70	130				
4-Bromofluorobenzene	48.02	N/A	50.00		96%	70	130				
Dibromofluoromethane	47.84	N/A	50.00		96%	70	130				
1,2-Dichloroethane-d4	48.64	N/A	50.00		97%	68	128				
Toluene-d8	49.00	N/A	50.00		98%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSD**	Batch ID: R70312A			Test Code: SW8260B				Date Analyzed: 03/12/07 09:12			
				Units: µg/L				Date Prepared: N/A			
Acetone	16.49	10	20.00		82%	39	202	14.3	14%	41	
Benzene	19.22	0.50	20.00		96%	70	130	19.67	2%	20	
Bromobenzene	21.04	1.5	20.00		105%	70	130	21.23	1%	20	
Bromochloromethane	19.15	0.50	20.00		96%	70	130	19.58	2%	20	
Bromodichloromethane	20.86	0.50	20.00		104%	70	130	21.35	2%	20	
Bromoform	25.71	1.0	20.00		129%	70	130	26.04	1%	20	V1
Bromomethane	18.03	5.0	20.00		90%	52	136	18.99	5%	20	
2-Butanone	20.09	5.0	20.00		100%	70	159	18.49	8%	22	
n-Butylbenzene	19.55	2.5	20.00		98%	70	130	20.16	3%	20	
sec-Butylbenzene	21.82	1.5	20.00		109%	67	128	22.62	4%	20	
tert-Butylbenzene	21.12	2.5	20.00		106%	70	130	21.9	4%	20	
Carbon disulfide	23.82	0.50	20.00		119%	65	142	24.35	2%	20	
Carbon tetrachloride	20.42	0.50	20.00		102%	66	128	21.05	3%	20	
Chlorobenzene	20.40	0.50	20.00		102%	70	130	21.07	3%	20	
Dibromochloromethane	23.24	0.50	20.00		116%	70	130	23.73	2%	20	
Chloroethane	18.35	5.0	20.00		92%	67	134	19.23	5%	20	
Chloroform	19.22	0.50	20.00		96%	70	130	19.75	3%	20	
Chloromethane	18.09	5.0	20.00		90%	52	123	18.53	2%	20	
2-Chlorotoluene	20.92	1.5	20.00		105%	70	130	21.62	3%	20	
4-Chlorotoluene	20.90	2.0	20.00		105%	70	130	21.7	4%	20	
1,2-Dibromo-3-chloropropane	22.75	2.0	20.00		114%	70	130	22.11	3%	20	
1,2-Dibromoethane	22.25	0.50	20.00		111%	70	130	22.56	1%	20	
Dibromomethane	20.87	0.50	20.00		104%	70	130	21.38	2%	20	
1,2-Dichlorobenzene	21.35	1.5	20.00		107%	70	130	21.7	2%	20	
1,3-Dichlorobenzene	20.88	1.5	20.00		104%	70	130	21.35	2%	20	
1,4-Dichlorobenzene	20.81	1.5	20.00		104%	70	130	21.3	2%	20	
Dichlorodifluoromethane	16.77	2.0	20.00		84%	17	141	16.96	1%	20	
1,1-Dichloroethane	18.72	1.0	20.00		94%	70	130	19.15	2%	20	
1,2-Dichloroethane	20.96	1.0	20.00		105%	70	130	21.38	2%	20	
1,1-Dichloroethene	19.51	0.50	20.00		98%	67	139	20.14	3%	20	
cis-1,2-Dichloroethene	18.67	0.50	20.00		93%	70	130	19.18	3%	20	
trans-1,2-Dichloroethene	18.72	0.50	20.00		94%	70	130	19.34	3%	20	
1,2-Dichloropropane	20.00	0.50	20.00		100%	70	130	20.32	2%	20	
1,3-Dichloropropane	20.92	1.0	20.00		105%	70	130	21.28	2%	20	
2,2-Dichloropropane	20.41	0.50	20.00		102%	62	139	21.36	5%	20	
1,1-Dichloropropene	20.26	1.0	20.00		101%	70	130	20.91	3%	20	
cis-1,3-Dichloropropene	22.02	1.0	20.00		110%	70	130	22.33	1%	20	
trans-1,3-Dichloropropene	24.48	0.50	20.00		122%	70	130	25.32	3%	20	
Ethylbenzene	21.23	2.0	20.00		106%	70	130	21.9	3%	20	
Hexachlorobutadiene	23.54	5.0	20.00		118%	53	141	23.55	0%	20	
2-Hexanone	20.33	5.0	20.00		102%	70	130	19.3	5%	20	
Iodomethane	25.38	2.0	20.00		127%	65	133	25.91	2%	20	

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	24.15	2.5	20.00		121%	70	130	25.34	5%	20	
4-Isopropyltoluene	21.11	1.5	20.00		106%	70	130	21.8	3%	20	
Methylene chloride	17.80	3.0	20.00		89%	70	130	18.22	2%	20	
4-Methyl-2-pentanone	19.48	5.0	20.00		97%	70	130	19.12	2%	20	
Methyl tert-butyl ether	21.17	2.0	20.00		106%	70	130	21.12	0%	23	
Naphthalene	22.28	5.0	20.00		111%	59	135	21.62	3%	31	
n-Propylbenzene	21.81	2.0	20.00		109%	70	130	22.59	4%	20	
Styrene	19.68	1.0	20.00		98%	70	130	20.46	4%	20	
1,1,1,2-Tetrachloroethane	22.60	0.50	20.00		113%	70	130	23.37	3%	20	
1,1,2,2-Tetrachloroethane	22.62	0.50	20.00		113%	70	130	22.75	1%	20	
Tetrachloroethene	20.10	0.50	20.00		101%	70	130	20.81	3%	20	
Toluene	20.38	3.0	20.00		102%	70	130	21.07	3%	20	
1,2,3-Trichlorobenzene	23.16	5.0	20.00		116%	58	140	23.02	1%	31	V1
1,2,4-Trichlorobenzene	22.90	5.0	20.00		115%	64	129	23.03	1%	21	V1
1,1,1-Trichloroethane	19.83	0.50	20.00		99%	70	130	20.49	3%	20	
1,1,2-Trichloroethane	21.92	0.50	20.00		110%	70	130	22.08	1%	20	
Trichloroethene	20.05	0.50	20.00		100%	70	130	20.35	1%	20	
Trichlorofluoromethane	20.14	2.0	20.00		101%	54	160	21.1	5%	20	
1,2,3-Trichloropropane	22.72	1.0	20.00		114%	70	130	22.93	1%	20	
1,2,4-Trimethylbenzene	21.72	2.0	20.00		109%	70	130	22.38	3%	20	
1,3,5-Trimethylbenzene	21.96	1.5	20.00		110%	70	130	22.68	3%	20	
Vinyl acetate	27.32	5.0	20.00		137%	57	160	27.6	1%	33	
Vinyl chloride	19.85	0.50	20.00		99%	61	142	20.12	1%	20	
Xylenes, Total	65.47	3.0	60.00		109%	70	130	68.29	4%	20	
4-Bromofluorobenzene	49.01	N/A	50.00		98%	70	130				
Dibromofluoromethane	46.54	N/A	50.00		93%	70	130				
1,2-Dichloroethane-d4	45.78	N/A	50.00		92%	68	128				
Toluene-d8	49.40	N/A	50.00		99%	70	130				

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSD**	Batch ID: R70308B			Test Code: SW8260B				Date Analyzed: 03/08/07 22:52			
				Units: µg/L				Date Prepared: N/A			
Acetone	16.86	10	20.00		84%	39	202	22.89	30%	41	
Benzene	20.35	0.50	20.00		102%	70	130	21.01	3%	20	
Bromobenzene	19.87	1.5	20.00		99%	70	130	19.91	0%	20	
Bromochloromethane	20.01	0.50	20.00		100%	70	130	20.5	2%	20	
Bromodichloromethane	20.82	0.50	20.00		104%	70	130	21.55	3%	20	
Bromoform	20.35	1.0	20.00		102%	70	130	21.17	4%	20	
Bromomethane	20.84	5.0	20.00		104%	52	136	20.94	0%	20	
2-Butanone	19.14	5.0	20.00		96%	70	159	21.09	10%	22	
n-Butylbenzene	19.53	2.5	20.00		98%	70	130	20.24	4%	20	
sec-Butylbenzene	22.12	1.5	20.00		111%	67	128	22.71	3%	20	
tert-Butylbenzene	21.34	2.5	20.00		107%	70	130	22.05	3%	20	
Carbon disulfide	25.94	0.50	20.00		130%	65	142	26.76	3%	20	
Carbon tetrachloride	22.64	0.50	20.00		113%	66	128	23.32	3%	20	
Chlorobenzene	19.56	0.50	20.00		98%	70	130	20.36	4%	20	
Dibromochloromethane	20.93	0.50	20.00		105%	70	130	21.39	2%	20	
Chloroethane	20.70	5.0	20.00		104%	67	134	20.53	1%	20	
Chloroform	20.70	0.50	20.00		104%	70	130	21.51	4%	20	
Chloromethane	21.84	5.0	20.00		109%	52	123	22.43	3%	20	
2-Chlorotoluene	21.00	1.5	20.00		105%	70	130	21.24	1%	20	
4-Chlorotoluene	20.77	2.0	20.00		104%	70	130	20.98	1%	20	
1,2-Dibromo-3-chloropropane	20.62	2.0	20.00		103%	70	130	20.95	2%	20	
1,2-Dibromoethane	21.03	0.50	20.00		105%	70	130	21.4	2%	20	
Dibromomethane	20.85	0.50	20.00		104%	70	130	21.62	4%	20	
1,2-Dichlorobenzene	20.60	1.5	20.00		103%	70	130	21.15	3%	20	
1,3-Dichlorobenzene	20.25	1.5	20.00		101%	70	130	20.53	1%	20	
1,4-Dichlorobenzene	19.99	1.5	20.00		100%	70	130	20.51	3%	20	
Dichlorodifluoromethane	21.73	2.0	20.00		109%	17	141	22.44	3%	20	
1,1-Dichloroethane	20.41	1.0	20.00		102%	70	130	21	3%	20	
1,2-Dichloroethane	22.21	1.0	20.00		111%	70	130	23.38	5%	20	
1,1-Dichloroethene	21.26	0.50	20.00		106%	67	139	21.98	3%	20	
cis-1,2-Dichloroethene	19.62	0.50	20.00		98%	70	130	20.42	4%	20	
trans-1,2-Dichloroethene	20.02	0.50	20.00		100%	70	130	21.05	5%	20	
1,2-Dichloropropane	20.03	0.50	20.00		100%	70	130	20.75	4%	20	
1,3-Dichloropropane	19.94	1.0	20.00		100%	70	130	20.62	3%	20	
2,2-Dichloropropane	19.70	0.50	20.00		99%	62	139	20.08	2%	20	
1,1-Dichloropropene	22.36	1.0	20.00		112%	70	130	22.98	3%	20	
cis-1,3-Dichloropropene	20.82	1.0	20.00		104%	70	130	21.93	5%	20	
trans-1,3-Dichloropropene	22.67	0.50	20.00		113%	70	130	23.29	3%	20	
Ethylbenzene	20.62	2.0	20.00		103%	70	130	21.74	5%	20	
Hexachlorobutadiene	24.01	5.0	20.00		120%	53	141	24.34	1%	20	
2-Hexanone	18.00	5.0	20.00		90%	70	130	18.93	5%	20	
Iodomethane	27.17	2.0	20.00		136%	65	133	28.09	3%	20	L1

CLIENT: El Paso Natural Gas Company
Work Order: 0703183
Project: Eunice Plant/2007030242

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	23.97	2.5	20.00		120%	70	130	24.96	4%	20	
4-Isopropyltoluene	21.26	1.5	20.00		106%	70	130	21.88	3%	20	
Methylene chloride	18.96	3.0	20.00		95%	70	130	19.54	3%	20	
4-Methyl-2-pentanone	17.94	5.0	20.00		90%	70	130	18.71	4%	20	
Methyl tert-butyl ether	22.28	2.0	20.00		111%	70	130	22.55	1%	23	
Naphthalene	21.19	5.0	20.00		106%	59	135	21.82	3%	31	
n-Propylbenzene	21.85	2.0	20.00		109%	70	130	22.27	2%	20	
Styrene	18.73	1.0	20.00		94%	70	130	19.34	3%	20	
1,1,1,2-Tetrachloroethane	21.83	0.50	20.00		109%	70	130	22.44	3%	20	
1,1,2,2-Tetrachloroethane	20.17	0.50	20.00		101%	70	130	19.93	1%	20	
Tetrachloroethene	20.32	0.50	20.00		102%	70	130	21.08	4%	20	
Toluene	20.75	3.0	20.00		104%	70	130	21.43	3%	20	
1,2,3-Trichlorobenzene	22.68	5.0	20.00		113%	58	140	23.74	5%	31	V1
1,2,4-Trichlorobenzene	21.88	5.0	20.00		109%	64	129	22.61	3%	21	
1,1,1-Trichloroethane	21.86	0.50	20.00		109%	70	130	22.69	4%	20	
1,1,2-Trichloroethane	20.47	0.50	20.00		102%	70	130	20.75	1%	20	
Trichloroethene	21.00	0.50	20.00		105%	70	130	22.23	6%	20	
Trichlorofluoromethane	22.95	2.0	20.00		115%	54	160	23.51	2%	20	
1,2,3-Trichloropropane	21.43	1.0	20.00		107%	70	130	21.42	0%	20	
1,2,4-Trimethylbenzene	21.58	2.0	20.00		108%	70	130	22.22	3%	20	
1,3,5-Trimethylbenzene	22.16	1.5	20.00		111%	70	130	22.7	2%	20	
Vinyl acetate	25.20	5.0	20.00		126%	57	160	21.22	17%	33	
Vinyl chloride	23.35	0.50	20.00		117%	61	142	24.36	4%	20	
Xylenes, Total	64.88	3.0	60.00		108%	70	130	67.01	3%	20	
4-Bromofluorobenzene	47.15	N/A	50.00		94%	70	130				
Dibromofluoromethane	47.84	N/A	50.00		96%	70	130				
1,2-Dichloroethane-d4	47.57	N/A	50.00		95%	68	128				
Toluene-d8	48.38	N/A	50.00		97%	70	130				

Storage Location: A-42D
S-40

TRANSWEST GEOCHEM

Sample Receipt Checklist

Client Name: el paso

Date and Time Received: 3.8.07 9:45

Work Order Number: 0703 183

Checked by: [signature]

Checklist completed by: [signature] 3.8.07
Signature / Date

Logged In by: [signature] 3.8.07
Initials / Date

Matrix: A, S Carrier Name: Client TGI UPS

Reviewed by: MMartl 3/12/07
Initials / Date

				COMMENTS
Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒	
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☒		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	Temp: 5.4	Sampled < 2hrs ☐
Water – VOA vials have zero headspace?	Yes ☐	No ☐	N/A ☒	
Water – pH acceptable upon receipt?	Yes ☐	No ☒	N/A ☐	Checked by: [signature]
Water – Sulfides present in Cyanide samples?	Yes ☐	No ☐	N/A ☒	
Samples considered Drinking Water for metal analysis?	Yes ☐	No ☐	N/A ☒	

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: 3/8/07 Per Darrell, split out ~~from~~ for BTEX (8260) from 1 L Ambers - then preserve ambers for 418.1 Voas originally sampled were broken upon receipt. Added 2 ml HCl to 48 bottles pH 72. Add 2 more, pH now <2 3.8.07 10:30

elpaso

54°

CHAIN OF CUSTODY RECORD #0703 183

LSR NUMBER	PROJECT NAME
2007030242	Eunice Plant

SAMPLERS: (Signature) DATE.

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINES	COMPOSITE OR GRAB	REQUESTED ANALYSIS: BETX - 8020 8260	Chloride	TPH - 418.1 8015						LABORATORY: Transwest Geochem
	3/6/2007	9:00	A	1	5	G	X	X	X						IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN
	3/6/2007	9:00	S	2	1	G			X						

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Darrell Campbell	3/7/07	1500	UPS	UPS	3/8/07	945	
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME
☐ Routine ☑ Rush ASAP

Original *Testing Laboratory*
Copy *EPC Laboratory*
Copy *Field Sampler*

AIRBILL NO:

SAMPLE RECIEIPT REMARKS :

CHARGE CODE:

Please send EDD to darrell.campbell@elpaso.com

54°

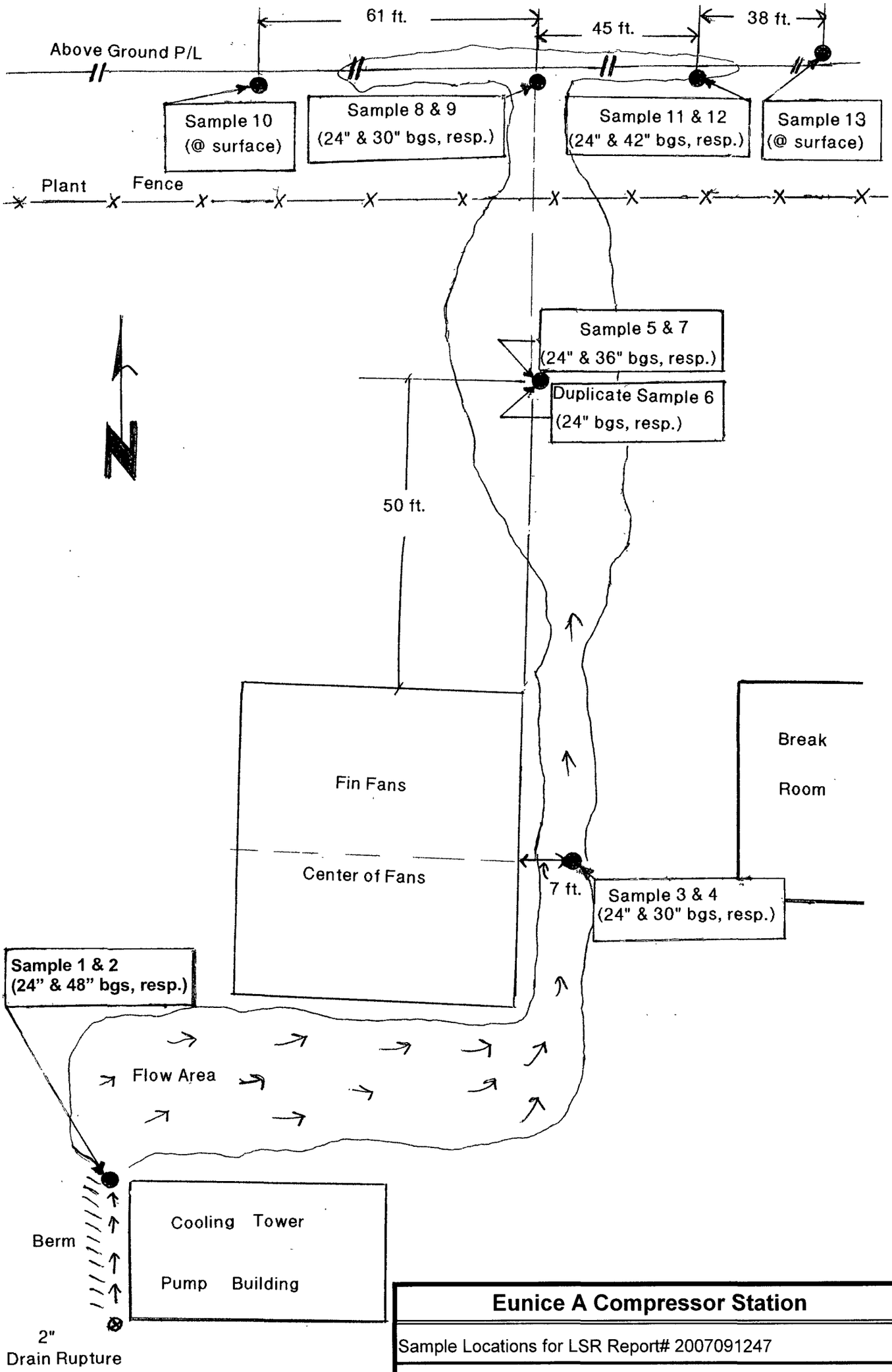
RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

Attachment C

Sketch of Release & Sample Locations



Eunice A Compressor Station

Sample Locations for LSR Report# 2007091247

Sample Locations

~ This drawing is not to scale ~

Attachment D

Lab Results from Soil Sample Locations

elpaso

LABORATORY SERVICE REPORT

REQUESTOR:	Morrow, Kenny	**REPORT DATE:**	10/1/2007
	Hobbs, NM	**REQUEST NO:**	2007091247
	(505) 492-2380	**APPROVED BY:**	Campbell, Darrell
		PENDING REQ. ID:	2007091247
DEPARTMENT:	Midland Division		
DISTRIBUTION:	Howell, Timothy G; Thompson, Glen, Uribe, Osias, Whitney, Mark P		
PERFORMED BY:	Transwest Geochem		

Request Description	Soil samples @ Eunice Station.
Date Received	9/19/2007
Date Completed	10/1/2007

Sample No	1	Sampled By	Mark Whitney	Sample Date	9/18/2007 11 30 00 AM
Received Vol			Received Date	9/19/2007	
Description	NW Corner of Pump Building - Sample Depth 24"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	2	Sampled By	Mark Whitney	Sample Date	9/18/2007 11 45 00 AM
Received Vol			Received Date	9/19/2007	
Description	NW Corner of Pump Building - Sample Depth 48"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	3	Sampled By	Mark Whitney	Sample Date	9/18/2007 12 00 00 PM
Received Vol			Received Date	9/19/2007	
Description	East Side - Middle of Fin Fans - Sample Depth 24"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	4	Sampled By	Mark Whitney	Sample Date	9/18/2007 12 16 00 PM
Received Vol			Received Date	9/19/2007	
Description	East Side - Middle of Fin Fans - Sample Depth 30"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	5	Sampled By	Mark Whitney	Sample Date	9/18/2007 12 30 00 PM
Received Vol			Received Date	9/19/2007	
Description	50' North of Fin Fans - Sample Depth 24"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				

Sample No	6	Sampled By	Mark Whitney	Sample Date	9/18/2007 12 45 00 PM
Received Vol			Received Date	9/19/2007	
Description	50' North of Fin Fans - Sample Depth 24" - DUPLICATE				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	7	Sampled By	Mark Whitney	Sample Date	9/18/2007 1 00 00 PM
Received Vol			Received Date	9/19/2007	
Description	50' North of Fin Fans - Sample Depth 36"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	8	Sampled By	Mark Whitney	Sample Date	9/18/2007 1 15 00 PM
Received Vol			Received Date	9/19/2007	
Description	2' South of Above Ground P/L Center of Spill Area - Sample Depth 24"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	9	Sampled By	Mark Whitney	Sample Date	9/18/2007 1 30 00 PM
Received Vol			Received Date	9/19/2007	
Description	2' South of Above Ground P/L Center of Spill Area - Sample Depth 30"				
Analysis.	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	10	Sampled By	Mark Whitney	Sample Date	9/18/2007 1 45 00 PM
Received Vol			Received Date.	9/19/2007	
Description	2' South of Above Ground P/L West of Spill Area - Sample Depth Surface				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	11	Sampled By	Mark Whitney	Sample Date	9/18/2007 2 00 00 PM
Received Vol			Received Date	9/19/2007	
Description	2' South of Above Ground P/L East End of Spill Area - Sample Depth 24"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				
Sample No	12	Sampled By	Mark Whitney	Sample Date	9/18/2007 2 15 00 PM
Received Vol			Received Date	9/19/2007	
Description	2' South of Above Ground P/L East End of Spill Area - Sample Depth 42"				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				

Request: 2007091247

Sample No	13	Sampled By	Mark Whitney	Sample Date	9/18/2007 2 30 00 PM
Received Vol			Received Date	9/19/2007	
Description	2' North of Above Ground P/L East of Spill Area - Sample Depth Surface				
Analysis	WP Special GT3				
Purpose	Disposal/Environmental Concerns				
Matrix	Soil				
Location	EPNG - Midland - Plains - 6521 - 0000+0 - "A" Plant - Soil				

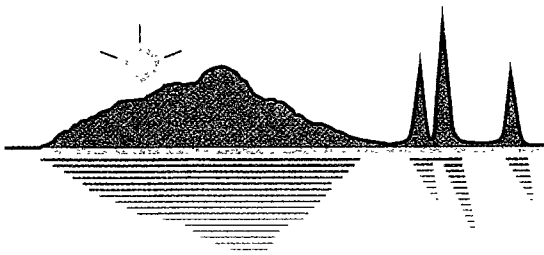
Data: See attached sheet(s).

Comments.

Sample:	**1**	**2**	**3**	**4**	**5**
Total Petroleum Hydrocarbon					
8015AZ					
C6-C10 GRO (mg/Kg)	< 20	< 20	< 20	< 20	< 20
C10-C22 DRO (mg/Kg)	< 30	< 30	< 30	< 30	37
C22-C32 ORO (mg/Kg)	< 100	< 100	< 100	< 100	< 100
C10-C32 SRL (mg/Kg)	< 130	< 130	< 130	< 130	< 130
Anions					
Chloride (mg/Kg)	< 5 0	< 5 0	170	320	280

Sample:	**6**	**7**	**8**	**9**	**10**
Total Petroleum Hydrocarbon					
8015AZ					
C6-C10 GRO (mg/Kg)	< 20	< 20	< 100	< 20	< 100
C10-C22 DRO (mg/Kg)	< 30	< 30	< 150	< 30	< 150
C22-C32 ORO (mg/Kg)	< 100	< 100	< 500	< 100	< 500
C10-C32 SRL (mg/Kg)	< 130	< 130	< 650	< 130	< 650
Anions					
Chloride (mg/Kg)	180	100	350	490	< 5 0

Sample:	**11**	**12**	**13**
Total Petroleum Hydrocarbon			
8015AZ			
C6-C10 GRO (mg/Kg)	< 20	< 20	< 20
C10-C22 DRO (mg/Kg)	< 30	< 30	< 30
C22-C32 ORO (mg/Kg)	< 100	< 100	< 100
C10-C32 SRL (mg/Kg)	< 130	< 130	< 130
Anions			
Chloride (mg/Kg)	410	22	< 5 0



TRANSWEST GEOCHEM

October 15, 2007

Darrell Campbell
El Paso Natural Gas Company
8645 Railroad Drive
El Paso, TX 79904

RE: Eunice Station/2007091247
Work Order No.: 07090441

Dear Darrell,

Transwest Geochem, Inc. received 13 samples on 9/19/07. The results of the analyses are presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Marcia A. Smith
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 15-Oct-07

Client: El Paso Natural Gas Company
Work Order: 07090441
Project Name: Eunice Station
Project Number: 2007091247

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

3725 E. Atlanta Avenue • Phoenix, Arizona 85040 • (602) 437-0330 • (800) 927-5183 • Fax (602) 437-0660
3860 S. Palo Verde Rd. • Suite 301 • Tucson, Arizona 85714 • (520) 573-1061 • Fax (520) 573-1063

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Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT:	El Paso Natural Gas Company
Project Name:	Eunice Station
Project Number:	2007091247
Work Order:	07090441
Date Received:	19-Sep-07

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D1	Sample required dilution due to matrix.
M1	Matrix spike recovery was high, the method control sample recovery was acceptable.

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Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Project Name: Eunice Station
Project Number: 2007091247
Work Order: 07090441

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
1	07090441-01A	8015AZ	9/18/07 11:30 AM	9/19/07 09:30 AM
	07090441-01B	EPA300	9/18/07 11:30 AM	9/19/07 09:30 AM
		N/A	9/18/07 11:30 AM	9/19/07 09:30 AM
2	07090441-02A	8015AZ	9/18/07 11:45 AM	9/19/07 09:30 AM
	07090441-02B	EPA300	9/18/07 11:45 AM	9/19/07 09:30 AM
		N/A	9/18/07 11:45 AM	9/19/07 09:30 AM
3	07090441-03A	8015AZ	9/18/07 12:00 PM	9/19/07 09:30 AM
	07090441-03B	EPA300	9/18/07 12:00 PM	9/19/07 09:30 AM
		N/A	9/18/07 12:00 PM	9/19/07 09:30 AM
4	07090441-04A	8015AZ	9/18/07 12:15 PM	9/19/07 09:30 AM
	07090441-04B	EPA300	9/18/07 12:15 PM	9/19/07 09:30 AM
		N/A	9/18/07 12:15 PM	9/19/07 09:30 AM
5	07090441-05A	8015AZ	9/18/07 12:30 PM	9/19/07 09:30 AM
	07090441-05B	EPA300	9/18/07 12:30 PM	9/19/07 09:30 AM
		N/A	9/18/07 12:30 PM	9/19/07 09:30 AM
6	07090441-06A	8015AZ	9/18/07 12:45 PM	9/19/07 09:30 AM
	07090441-06B	EPA300	9/18/07 12:45 PM	9/19/07 09:30 AM
		N/A	9/18/07 12:45 PM	9/19/07 09:30 AM
7	07090441-07A	8015AZ	9/18/07 01:00 PM	9/19/07 09:30 AM
	07090441-07B	EPA300	9/18/07 01:00 PM	9/19/07 09:30 AM
		N/A	9/18/07 01:00 PM	9/19/07 09:30 AM
8	07090441-08A	8015AZ	9/18/07 01:15 PM	9/19/07 09:30 AM
	07090441-08B	EPA300	9/18/07 01:15 PM	9/19/07 09:30 AM
		N/A	9/18/07 01:15 PM	9/19/07 09:30 AM
9	07090441-09A	8015AZ	9/18/07 01:30 PM	9/19/07 09:30 AM
	07090441-09B	EPA300	9/18/07 01:30 PM	9/19/07 09:30 AM
		N/A	9/18/07 01:30 PM	9/19/07 09:30 AM
10	07090441-10A	8015AZ	9/18/07 01:45 PM	9/19/07 09:30 AM
	07090441-10B	EPA300	9/18/07 01:45 PM	9/19/07 09:30 AM
		N/A	9/18/07 01:45 PM	9/19/07 09:30 AM
11	07090441-11A	8015AZ	9/18/07 02:00 PM	9/19/07 09:30 AM
	07090441-11B	EPA300	9/18/07 02:00 PM	9/19/07 09:30 AM
		N/A	9/18/07 02:00 PM	9/19/07 09:30 AM
12	07090441-12A	8015AZ	9/18/07 02:15 PM	9/19/07 09:30 AM

CLIENT:	El Paso Natural Gas Company
Project Name:	Eunice Station
Project Number:	2007091247
Work Order:	07090441

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
12	07090441-12B	EPA300	9/18/07 02:15 PM	9/19/07 09:30 AM
		N/A	9/18/07 02:15 PM	9/19/07 09:30 AM
13	07090441-13A	8015AZ	9/18/07 02:30 PM	9/19/07 09:30 AM
	07090441-13B	EPA300	9/18/07 02:30 PM	9/19/07 09:30 AM
		N/A	9/18/07 02:30 PM	9/19/07 09:30 AM

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Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Project Name: Eunice Station
Project Number: 2007091247
Work Order: 07090441
Date Received: 19-Sep-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

TRANSWEST GEOCHEM

Date Printed: 02-Oct-07
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CLIENT:	El Paso Natural Gas Company
Project Name:	Eunice Station
Project Number:	2007091247
Work Order:	07090441
Date Received:	19-Sep-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)

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Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-01
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 1
Collection Date: 9/18/2007 11:30:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 12:38	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 12:38	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 12:38	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 12:38	LB	14748
o-Terphenyl(Surrogate)	108	70-130		%REC	1.0	8015AZ	9/19/07	9/27/07 12:38	LB	14748

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Date Printed 02-Oct-07
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CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-02
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 2
Collection Date: 9/18/2007 11:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 18:24	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 18:24	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 18:24	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 18:24	LB	14748
o-Terphenyl(Surrogate)	107	70-130		%REC	1.0	8015AZ	9/19/07	9/20/07 18:24	LB	14748

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Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-03
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 3
Collection Date: 9/18/2007 12:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19 09	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19.09	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19:09	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19:09	LB	14748
o-Terphenyl(Surrogate)	105	70-130		%REC	1.0	8015AZ	9/19/07	9/20/07 19:09	LB	14748

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Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-04
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 4
Collection Date: 9/18/2007 12:15:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1 0	8015AZ	9/19/07	9/20/07 19:53	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19:53	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19:53	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 19:53	LB	14748
o-Terphenyl(Surrogate)	106	70-130		%REC	1.0	8015AZ	9/19/07	9/20/07 19:53	LB	14748

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-05
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 5
Collection Date: 9/18/2007 12:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 23:35	LB	14748
C10-C22 DRO	**37**	30		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 23:35	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 23:35	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/20/07 23:35	LB	14748
o-Terphenyl(Surrogate)	106	70-130		%REC	1.0	8015AZ	9/19/07	9/20/07 23:35	LB	14748

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Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-06
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 6
Collection Date: 9/18/2007 12:45:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 0.20	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 0.20	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 0:20	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 0.20	LB	14748
o-Terphenyl(Surrogate)	104	70-130		%REC	1.0	8015AZ	9/19/07	9/21/07 0:20	LB	14748

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Date Printed 02-Oct-07

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CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-07
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 7
Collection Date: 9/18/2007 1:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 13:23	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 13:23	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 13:23	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 13:23	LB	14748
o-Terphenyl(Surrogate)	111	70-130		%REC	1.0	8015AZ	9/19/07	9/27/07 13:23	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-08
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 8
Collection Date: 9/18/2007 1:15:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<100	100	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 1:04	LB	14748
C10-C22 DRO	<150	150	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 1:04	LB	14748
C22-C32 ORO	<500	500	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 1:04	LB	14748
C10-C32 SRL	<650	650	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 1:04	LB	14748
o-Terphenyl(Surrogate)	109	70-130		%REC	5.0	8015AZ	9/19/07	9/21/07 1:04	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-09
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 9
Collection Date: 9/18/2007 1:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 1:48	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 1:48	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 1 48	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 1:48	LB	14748
o-Terphenyl(Surrogate)	107	70-130		%REC	1.0	8015AZ	9/19/07	9/21/07 1 48	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-10
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 10
Collection Date: 9/18/2007 1:45:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<100	100	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 2:32	LB	14748
C10-C22 DRO	<150	150	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 2:32	LB	14748
C22-C32 ORO	<500	500	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 2:32	LB	14748
C10-C32 SRL	<650	650	D1	mg/Kg	5.0	8015AZ	9/19/07	9/21/07 2:32	LB	14748
o-Terphenyl(Surrogate)	108	70-130		%REC	5.0	8015AZ	9/19/07	9/21/07 2:32	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-11
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 11
Collection Date: 9/18/2007 2:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 3.16	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 3:16	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 3:16	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 3:16	LB	14748
o-Terphenyl(Surrogate)	108	70-130		%REC	1.0	8015AZ	9/19/07	9/21/07 3:16	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-12
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 12
Collection Date: 9/18/2007 2:15:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 4:01	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 4:01	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 4.01	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	9/19/07	9/21/07 4:01	LB	14748
o-Terphenyl(Surrogate)	108	70-130		%REC	1.0	8015AZ	9/19/07	9/21/07 4.01	LB	14748

TRANSWEST GEOCHEM

Date Printed 02-Oct-07
License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Lab ID: 07090441-13
Project Name: Eunice Station
Project Number: 2007091247

Client Sample ID: 13
Collection Date: 9/18/2007 2:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1 0	8015AZ	9/19/07	9/27/07 14:07	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1 0	8015AZ	9/19/07	9/27/07 14:07	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	9/19/07	9/27/07 14:07	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1 0	8015AZ	9/19/07	9/27/07 14:07	LB	14748
o-Terphenyl(Surrogate)	128	70-130		%REC	1.0	8015AZ	9/19/07	9/27/07 14:07	LB	14748

TRANSWEST GEOCHEM

Date: 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Project: Eunice Station/2007091247

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	9/19/07	9/20/07 13:12	LB	14748
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	9/19/07	9/20/07 13.12	LB	14748
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	9/19/07	9/20/07 13.12	LB	14748
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	9/19/07	9/20/07 13.12	LB	14748
o-Terphenyl	95	70-130		%REC	1	8015AZ	9/19/07	9/20/07 13:12	LB	14748

TRANSWEST GEOCHEM

Date: 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Project: Eunice Station/2007091247

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **07090441-07A-MS** Batch ID: 14748				Test Code: 8015AZ				Date Analyzed: 09/20/07 16:10			
Client ID: **7**				Units: mg/Kg				Date Prepared: 9/19/07			
C10-C22 DRO	689	30	500		138%	70	130				M1
o-Terphenyl	9.25	N/A	10.0		93%	70	130				
Sample ID: **07090441-07A-MSD** Batch ID: 14748				Test Code: 8015AZ				Date Analyzed: 09/20/07 16:55			
Client ID: **7**				Units: mg/Kg				Date Prepared: 9/19/07			
C10-C22 DRO	745	30	500		149%	70	130	689	8%	20	M1
o-Terphenyl	10.6	N/A	10.0		106%	70	130				

TRANSWEST GEOCHEM

Date: 02-Oct-07

License No. AZM133/AZ0133

CLIENT: El Paso Natural Gas Company
Work Order: 07090441
Project: Eunice Station/2007091247

QC SUMMARY REPORT

Laboratory Fortified Blank

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LFB-14748**	Batch ID: 14748			Test Code: 8015AZ				Date Analyzed: 09/20/07 13:57			
				Units: mg/Kg				Date Prepared: 9/19/07			
C10-C22 DRO	612	30	500		122%	70	130				
o-Terphenyl	10.2	N/A	10.0		102%	70	130				
Sample ID: **LFBD-14748**	Batch ID: 14748			Test Code: 8015AZ				Date Analyzed: 09/20/07 14:41			
				Units: mg/Kg				Date Prepared: 9/19/07			
C10-C22 DRO	628	30	500		126%	70	130	612	3%	20	
o-Terphenyl	10.2	N/A	10.0		102%	70	130				

Storage Location: S-27
4 02

TRANSWEST GEOCHEM

Sample Receipt Checklist

Client Name: EPNG

Date and Time Received: 9-19-07 0938

Work Order Number: 07090441

Checked by: R. Floyd

Checklist completed by: RTL 9-19-07
Signature / Date

Logged In by: [illegible] 9.19.07
Initials / Date

Matrix: Solid (glass) Carrier Name: Client TGI UPS

Reviewed by: SH 9/26
Initials / Date

				COMMENTS
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Temperature in compliance?	Yes ☑	No ☐	Temp: 5.4	Wet Ice Present ☑
Where was the temperature reading taken at?	Sample ☑	Temp Blank ☐	Other:	
Water – VOA vials have zero headspace?	Yes ☐	No ☐	N/A ☑	
Water – pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	Checked by: _____
Water – Sulfides present in Cyanide samples?	Yes ☐	No ☐	N/A ☑	
Samples considered Drinking Water for metal analysis?	Yes ☐	No ☐	N/A ☑	

Comments: _____

_____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

_____

Corrective Action: _____

_____

elpaso

CHAIN OF CUSTODY RECORD

07090441

Page 1 of 1

LSR NUMBER	PROJECT NAME
2007091247	Eunice Stg.

SAMPLERS: (Signature) Mark Lotter DATE: 9-18-07

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINES	COMPOSITE OR GRAB	TPH (8015)	Chlorides
1	9-18	1130	Soil	1	1	G	X	X
2		1145		2				
3		1200		3				
4		1215		4				
5		1230		5				
6		1245		6				
7		1300		7				
8		1315		8				
9		1330		9				
10		1345		10				
11		1400		11				
12		1415		12				

REQUESTED ANALYSIS

LABORATORY: LS - El Paso

REMARKS: IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Mark Lotter	9-18	1730	UPS	UPS	9-19-07	09:30	RPL
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME: ☐ Routine ☑ Rush **5-Day TAT**

Original	*Testing Laboratory*
Copy	*EPC Laboratory*
Copy	*Field Sampler*

AIRBILL NO:

SAMPLE RECIEIPT REMARKS: 5.4°C

CHARGE CODE:

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

FM-08-0566 (05/2003)

2 of 2

070904411

elpaso

CHAIN OF CUSTODY RECORD

Page 2 of 2

LSR NUMBER	PROJECT NAME
2007091247	Eunice Stg

SAMPLERS. (Signature): Mark Wilson

DATE: 9-18-07

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINES	COMPOSITE OR GRAB	REQUESTED ANALYSIS: TPH (8015)	REQUESTED ANALYSIS: Chlorides
13	9-18	1430	Soil	13	1	G	X	X

LABORATORY: LS - El Paso

REMARKS

IF SAMPLE QUANITY IS LIMITED - PLEASE ANALYZE IN ORDER GIVEN

RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)
Mark Wilson	9-18	1730	UPS	UPS	9-19-07	0930	
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED AT LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME: ☐ Routine ☑ Rush **5-Day TAT**

Original *Testing Laboratory*

Copy *EPC Laboratory*

Copy *Field Sampler*

AIRBILL NO:

SAMPLE RECIEIPT REMARKS :

5.4°C

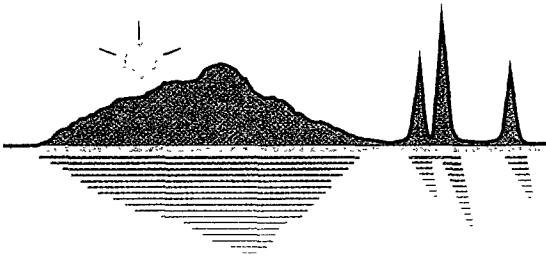
CHARGE CODE:

RESULTS & INVOICES TO:

LABORATORY SERVICES
EL PASO CORPORATION
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-587-3729 FAX: 915-587-3835

FM-08-0566 (05/2003)



TRANSWEST GEOCHEM

October 15, 2007

Darrell Campbell
El Paso Natural Gas Company
8645 Railroad Drive
El Paso, TX 79904

Re: Eunice Station/2007091247
Work Order No.: 07090441

Dear Darrell,

Attached is the original Report of Analysis from Test America for the sample received on 9/19/2007. The following analysis was performed:

Method: EPA 9056 - Inorganics – Chloride in Soil

If you have any questions regarding the results, please call me. We appreciate your business and thank you for choosing Transwest Geochem.

Sincerely,

Marcia A. Smith
Project Manager

ADHS License No. AZM133/AZ0133

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 Fax:(480) 785-0851

LABORATORY REPORT

Prepared For: Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project:07090441 / Eunice Station
2007091247

Sampled: 09/18/07
Received: 09/21/07
Issued: 09/26/07 13:07

NELAP #01109CA Arizona DHS#AZ0426

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PQI0723-01	01B (07090441)	Soil
PQI0723-02	02B (07090441)	Soil
PQI0723-03	03B (07090441)	Soil
PQI0723-04	04B (07090441)	Soil
PQI0723-05	05B (07090441)	Soil
PQI0723-06	06B (07090441)	Soil
PQI0723-07	07B (07090441)	Soil
PQI0723-08	08B (07090441)	Soil
PQI0723-09	09B (07090441)	Soil
PQI0723-10	10B (07090441)	Soil
PQI0723-11	11B (07090441)	Soil
PQI0723-12	12B (07090441)	Soil
PQI0723-13	13B (07090441)	Soil

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 Fax:(480) 785-0851

Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

SAMPLE RECEIPT:	Samples were received intact, at 3°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers.
	N1 Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

Reviewed By:

Carlene McCutcheon

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

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Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PQI0723-01 (01B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	ND	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-02 (02B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	ND	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-03 (03B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**170**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-04 (04B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**320**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-05 (05B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**280**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-06 (06B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**180**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-07 (07B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**100**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-08 (08B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**350**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-09 (09B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	50	**490**	10	9/24/2007	9/24/2007	
Sample ID: PQI0723-10 (10B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	ND	1	9/24/2007	9/24/2007	

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 Fax.(480) 785-0851

Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PQI0723-11 (11B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	50	**410**	10	9/24/2007	9/24/2007	
Sample ID: PQI0723-12 (12B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	**22**	1	9/24/2007	9/24/2007	
Sample ID: PQI0723-13 (13B (07090441) - Soil)								
Reporting Units: mg/kg								
Chloride	EPA 9056	P7I2401	5.0	ND	1	9/24/2007	9/24/2007	

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 Fax (480) 785-0851

Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P7I2401 Extracted: 09/24/07										
Blank Analyzed: 09/24/2007 (P7I2401-BLK1)										
Chloride	ND	0.50	mg/kg							
LCS Analyzed: 09/24/2007 (P7I2401-BS1)										
Chloride	4.88	0.50	mg/kg	5.00		98	90-110			*N1*
LCS Dup Analyzed: 09/24/2007 (P7I2401-BSD1)										
Chloride	4.88	0.50	mg/kg	5.00		98	90-110	0	20	*N1*
Duplicate Analyzed: 09/24/2007 (P7I2401-DUP1)					**Source: PQI0723-01RE1**					
Chloride	9.77	50	mg/kg		8.27			17	200	
Duplicate Analyzed: 09/24/2007 (P7I2401-DUP2)					**Source: PQI0723-02RE1**					
Chloride	9.89	50	mg/kg		9.29			6	200	

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 (480) 785-0043 Fax:(480) 785-0851

Transwest Geochem
3725 E. Atlanta Ave. Suite 2
Phoenix, AZ 85040
Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Transwest Geochem
3725 E. Atlanta Ave. Suite 2
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Attention: Marcia Smith

Project ID: 07090441 / Eunice Station 2007091247
Report Number: PQI0723

Sampled: 09/18/07
Received: 09/21/07

Certification Summary

TestAmerica - Phoenix, AZ

Method	Matrix	Nelac	Arizona
EPA 9056	Soil		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica - Phoenix, AZ

Carlene McCutcheon For Linda Eshelman
Project Manager

CHAIN-OF-CUSTODY

TRANSWEST GEOCHEM

Marcia A. Smith
3725 E. Atlanta Avenue
Suite 2
Phoenix, AZ 85040
TEL: (602) 437-0330
FAX: (602) 437-0660

Subcontractor:
TestAmerica - Phoenix
9830 S. 51st Street Suite B-120
Phoenix, AZ 85044
TEL: (480) 785-0043
FAX: (480) 785-0851

Work Order: 07090441

Project: Eunice Station 2007091247

20-Sep-07

Client Sample ID	TGI ID	Matrix	Collection Date	Containers	Requested Tests: IC_S *	LEACH					
1	01B	Soil	9/18/2007 11:30:00 AM	1	1	1	PIPI0723-1				
2	02B	Soil	9/18/2007 11:45:00 AM	1	1	1			2		
3	03B	Soil	9/18/2007 12:00:00 PM	1	1	1			3		
4	04B	Soil	9/18/2007 12:15:00 PM	1	1	1			4		
5	05B	Soil	9/18/2007 12:30:00 PM	1	1	1			5		
6	06B	Soil	9/18/2007 12:45:00 PM	1	1	1			6		
7	07B	Soil	9/18/2007 1:00:00 PM	1	1	1			7		
8	08B	Soil	9/18/2007 1:15:00 PM	1	1	1			8		
9	09B	Soil	9/18/2007 1:30:00 PM	1	1	1			9		
10	10B	Soil	9/18/2007 1:45:00 PM	1	1	1			10		
11	11B	Soil	9/18/2007 2:00:00 PM	1	1	1			11		
12	12B	Soil	9/18/2007 2:15:00 PM	1	1	1			12		
13	13B	Soil	9/18/2007 2:30:00 PM	1	1	1			13		

need QC'd results by 9/27/07

* Chloride Only

Comments: After analysis, the samples do not need to be returned and can be disposed per your standard laboratory practices. Please provide a QC report, including Method Blank data.

Sample Receipt		
Temperature:	Ambient / Cold	Ice:
Received Intact:		Absent / Present
Custody Seals:		Wet / Blue
Total No. of Containers:	2.8	°C.

		Date/Time			Date/Time
Relinquished by:		9-21-07 0830	**Received by:**		
Relinquished by:			**Received by:**		
Relinquished by:			**Received by:**		9/21/7 0830