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

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JUL 29 2009
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Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Plains Pipeline, LP	Contact	Daniel Bryant
Address	3705 E. Hwy 158; Midland, TX 79706	Telephone No.	(432) 557-5865
Facility Name	DCP Plant to Lea Station 6"	Facility Type	Pipeline

Surface Owner	Mineral Owner	Lease No.
NM SLO		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	30	20S	37E					Lea

Latitude N 32.542461° **Longitude** W 103.288617°

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 10 bbls	Volume Recovered: 0 bbls
Source of Release: 6" steel pipeline	Date and Hour of Occurrence: 10/8/2008	Date and Hour of Discovery: 10/8/2008 15:00
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Daniel Bryant	Date and Hour: 10/9/2008 08:20	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion of a 6" pipeline caused a release of crude oil. Clamp was installed on the pipeline to mitigate the release. Throughput on the line is 660 bbls per day. Operating pressure of the pipeline is 45 psi. Depth of the pipeline at the release location is approximately 3' bgs. H2S content of the crude is less than 10 ppm. The gravity of the crude is 65.

Describe Area Affected and Cleanup Action Taken *.

Please refer to the Remediation Summary and Site Closure Request for closure data

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: Daniel Bryant	OIL CONSERVATION DIVISION
Printed Name: Daniel Bryant	Approved by District Supervisor: Larry Johnson ENVIRONMENTAL ENGINEER
Title: Environmental R C Specialist	Approval Date: 7.30.09 Expiration Date: —
E-mail Address: dmbryant@paalp.com	Conditions of Approval: — Attached ☐
Date: 7/29/09 Phone: (432) 557-5865	

* Attach Additional Sheets If Necessary

1RP-1971

Basin Environmental Consulting, LLC

2800 Plains Highway
P. O. Box 381
Lovington, New Mexico 88260
cjbryant@basin-consulting.com
Office: (575) 396-2378 Fax: (575) 396-1429

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REMEDIATION SUMMARY

AND

SITE CLOSURE REQUEST

PLAINS PIPELINE, L.P. (231735)
DCP Plant to Lea Station 6-Inch
Lea County, New Mexico
Plains SRS # 2008-275

UNIT J (NW/SE), Section 30, Township 20 South, Range 37 East
Latitude 32° 32' 32.4" North, Longitude 103° 17' 17.2" West
NMOCD Reference # 1RP-1971

Prepared For:

Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Basin Environmental Consulting, LLC

July 2009

Camille J. Bryant
Project Manager

Curt D. Stanley
Project Manager

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FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

Basin Environmental Consulting, LLC (Basin), on behalf of Plains Pipeline, L.P. (Plains), has prepared this Remediation Summary and Site Closure Request for the release site known as DCP Plant to Lea Station 6-Inch (SRS# 2008-275). The site is located in Unit Letter J (NW ¼ SE ¼), Section 30, Township 20 South, Range 37 East, in Lea County, New Mexico. The property is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). A request for a Right-of-Entry permit was submitted and subsequently approved by the NMSLO, Santa Fe Office, to perform remediation activities at the release site (SLO ROE-1760). The site latitude is 32° 32' 32.4" North, and the longitude is 103 ° 17' 17.2" West. The Site Location and Site and Sample Location Maps are provided as Figure 1 and Figure 2, respectively. The Release Notification and Corrective Action (NMOCD Form C-141) indicated approximately ten (10) barrels of crude oil were released from the Plains pipeline and zero (0) barrels were recovered during the initial response activities. The Release Notification and Corrective Action is provided as Appendix D.

On October 9, 2008, Basin on behalf of Plains, responded to a pipeline release located on the DCP Plant to Lea Station 6-Inch pipeline. Plains operations personnel mitigated the crude oil release by installing a temporary 6-inch pipeline clamp on the pipeline. The impacted soil excavated during initial response activities was stockpiled on a 6-mil poly liner adjacent to the excavation. The initial visually stained area covered an area measuring approximately 95 feet in length by 30 feet in width.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) database did not identify the average depth to groundwater information for Section 30, Township 20 South, Range 37 East. A reference map utilized by the New Mexico Oil Conservation Division (NMOCD) indicated depth to groundwater at the release site is approximately 100 feet below ground surface (bgs). The depth to groundwater at the DCP Plant to Lea Station 6-Inch release site results in a score of ten (10) points being assigned to the site, based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells within 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criteria.

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

Based on the above ranking criteria, the NMOCD guidelines indicate the DCP Plant to Lea Station 6-Inch release site has an initial ranking score of ten (10) points.

On February 25, 2009, during a meeting between NMOCD and Plains representatives, the NMOCD Hobbs District Office approved the following modified remediation goals:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

3.0 SUMMARY OF FIELD ACTIVITIES

During October and November 2008, hydrocarbon impacted soil was excavated at the release site. Approximately 2,300 cubic yards (cy) of impacted soil was stockpiled adjacent to the excavation pending final disposition. The final dimensions of the excavation were approximately 100 feet in length and 52 feet in width and approximately 15 feet in depth.

On October 24, 2008, a soil boring (SB-1) was advanced to the west of the release point to determine the vertical extent of the crude oil impacted soil. The soil boring was advanced to a total depth of approximately 72 feet bgs and terminated in red clay (red bed). No groundwater was encountered during the advancement of this soil boring. Soil samples were collected at five (5) foot drilling intervals and were field screened using a Photo-Ionization Detector (PID). Selected soil samples were submitted to the laboratory and analyzed for concentrations of benzene, toluene, ethyl-benzene, and xylene (BTEX) using method EPA 8021b and total petroleum hydrocarbons (TPH) using method SW8015M. A summary of the analytical results are included in Table 1, Concentrations of BTEX and TPH in Soil. Laboratory analytical reports are included in Appendix A. Soil boring logs are provided as Appendix B. Photographs are provided as Appendix C.

Laboratory analytical results indicated benzene concentrations ranged from less than the method detection limit (MDL) for soil samples SB-1 20', SB-1 30' and SB-1 72' to 0.5007 mg/Kg for soil sample SB-1 50'. The analytical results indicated BTEX concentrations ranged from less than the laboratory MDL for soil samples SB-1 20' and SB-1 30' to 38.1627 mg/Kg for soil sample SB-1 50'. The laboratory analytical results indicated the TPH concentrations ranged from less than the laboratory MDL for soil samples SB-1 30' and SB-1 72' to 7,082 mg/Kg for soil sample SB-1 50'.

On January 9, 2009, a soil boring (SB-2) was advanced to the north of the excavation to evaluate the presence of groundwater at the site. The soil boring was advanced to a total depth of approximately 66 feet bgs and terminated in red clay (red bed). Temporary casing was installed in the bore hole as requested by the NMOCD Hobbs District Office. Field measurements indicated a trace amount of water in the bore hole. Soil samples were collected at five (5) foot drilling intervals. Each sample was field screened using a PID and selected soil samples were submitted for laboratory analysis for concentration of BTEX and TPH. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the laboratory MDL for all the soil samples submitted.

A groundwater sample was collected from the temporary casing and submitted to the laboratory for analysis of BTEX concentrations using EPA Method SW846-8021b. A summary of the analytical results are included in Table 2, Concentrations of Benzene and BTEX in Groundwater. The laboratory analytical results indicated benzene and BTEX concentrations were below the laboratory MDL for the groundwater sample submitted.

On January 21, 2009, six (6) soil samples (ESW @ 14.5', NESW @ 14.5', NWSW @ 14.5', SESW @ 14.5', SWSW @ 14.5' and WSW @ 14.5') were collected from the sidewalls of the excavation at approximately 14.5 feet bgs. Three (3) soil samples (E Floor @ 15', W Floor @ 15' and C Floor @ 15') were collected from the floor of the excavation at approximately 15 feet bgs. The soil samples were submitted to the laboratory and analyzed for concentrations of BTEX

and TPH. Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory MDL for soil samples SWSW @ 14.5', WSW @ 14.5' and E Floor @ 15' to 0.4157 mg/Kg for soil sample C Floor @ 15'. The analytical results indicated BTEX concentrations ranged from 0.0304 mg/Kg for soil sample WSW @ 14.5' to 55.7617 mg/Kg for soil sample C Floor @ 15'. The laboratory analytical results indicated the TPH concentrations ranged from less than the laboratory MDL for soil samples NESW @ 14.5' and WSW @ 14.5' to 3,261 mg/Kg for soil sample SESW @ 14.5'.

On February 12, 2009, five (5) soil samples (Stockpile #1, Stockpile #2, Stockpile #3, Stockpile #4 and Stockpile #5) were collected from the blended material stockpiled on-site. The soil samples were submitted to the laboratory and analyzed for concentrations of BTEX and TPH. The analytical results indicated benzene concentration ranged from less than the laboratory MDL for soil samples Stockpile #1, Stockpile #4 and Stockpile #5 to 3.013 mg/Kg for soil sample Stockpile #3. The analytical results indicated BTEX concentrations ranged from 6.8964 mg/Kg for soil sample Stockpile #5 to 108.313 mg/Kg for soil sample Stockpile #3. The laboratory analytical results indicated TPH concentrations ranged from 681 mg/Kg for soil sample Stockpile #5 to 3,296 mg/Kg for soil sample Stockpile #3.

On February 25, 2009, during a meeting between NMOCD and Plains representatives, the NMOCD Hobbs District Office approved remediation goals of 5,000 mg/Kg (TPH), 10 mg/Kg (benzene) and 50 mg/Kg (BTEX) for the site.

On April 29, 2009, the DCP Plant to Lea Station 6-Inch *Remediation Summary and Site Closure Proposal* was presented to the NMOCD – Hobbs District Office. In discussions between Plains, Basin and the NMOCD representative, the NMOCD representative approved the proposed site closure strategy, with the exception of the proposed installation of a polyurethane liner. The NMOCD representative indicated the installation of a twenty millimeter polyurethane liner would not be required for NMOCD approved site closure.

In May 2009, Stockpile #3 was reblended as approved by the NMOCD. Stockpiles #1, #2, #4 and #5 were placed in the excavation in twelve (12) inch lifts and compacted as the backfilling activities progressed.

On June 1, 2009, a soil sample (Stockpile #3A) was collected from the 500 cy of reblended soil contained in Stockpile #3 and submitted to the laboratory for analysis. The analytical results indicated the benzene concentration was less than the laboratory MDL of 0.0526 mg/Kg, the BTEX concentration was 1.9409 mg/Kg and the TPH concentration was 1,464 mg/Kg. Based on the analytical results of the soil sample, blended soil contained in Stockpile #3 was deemed suitable for use a backfill material and the backfilling of the excavation was completed. Following the backfilling activities, areas disturbed by the remediation activities were contoured to fit the surrounding topography and will be reseeded with vegetation acceptable to the landowner.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Xenco Laboratories in Odessa, Texas for BTEX and/or TPH analyses using the methods described below. Soil samples were analyzed for BTEX and/or TPH within fourteen days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH-GRO/DRO concentrations in accordance with modified EPA Method 8015M GRO/DRO

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples, Basin recommends Plains provide the NMOCD-Hobbs District Office and the NMSLO, a copy of this Remediation Summary and Site Closure Request and request the NMOCD and NMSLO grant site closure to the DCP Plant to Lea Station 6-Inch release site.

6.0 LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Consulting, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Consulting, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Consulting, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Consulting, LLC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains Pipeline, L.P. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Consulting, LLC and/or Plains Pipeline, L.P

7.0 DISTRIBUTION:

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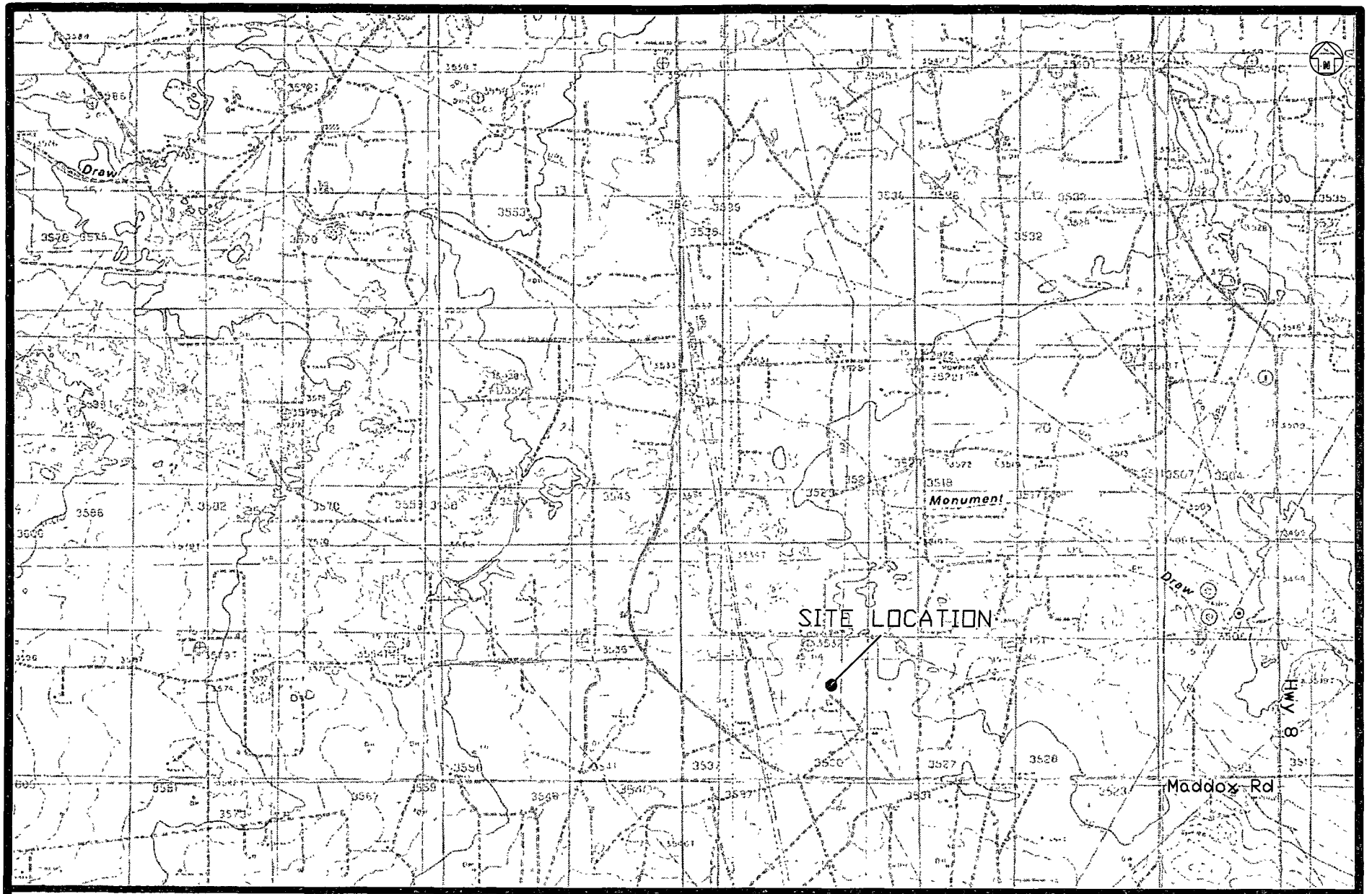
Figures



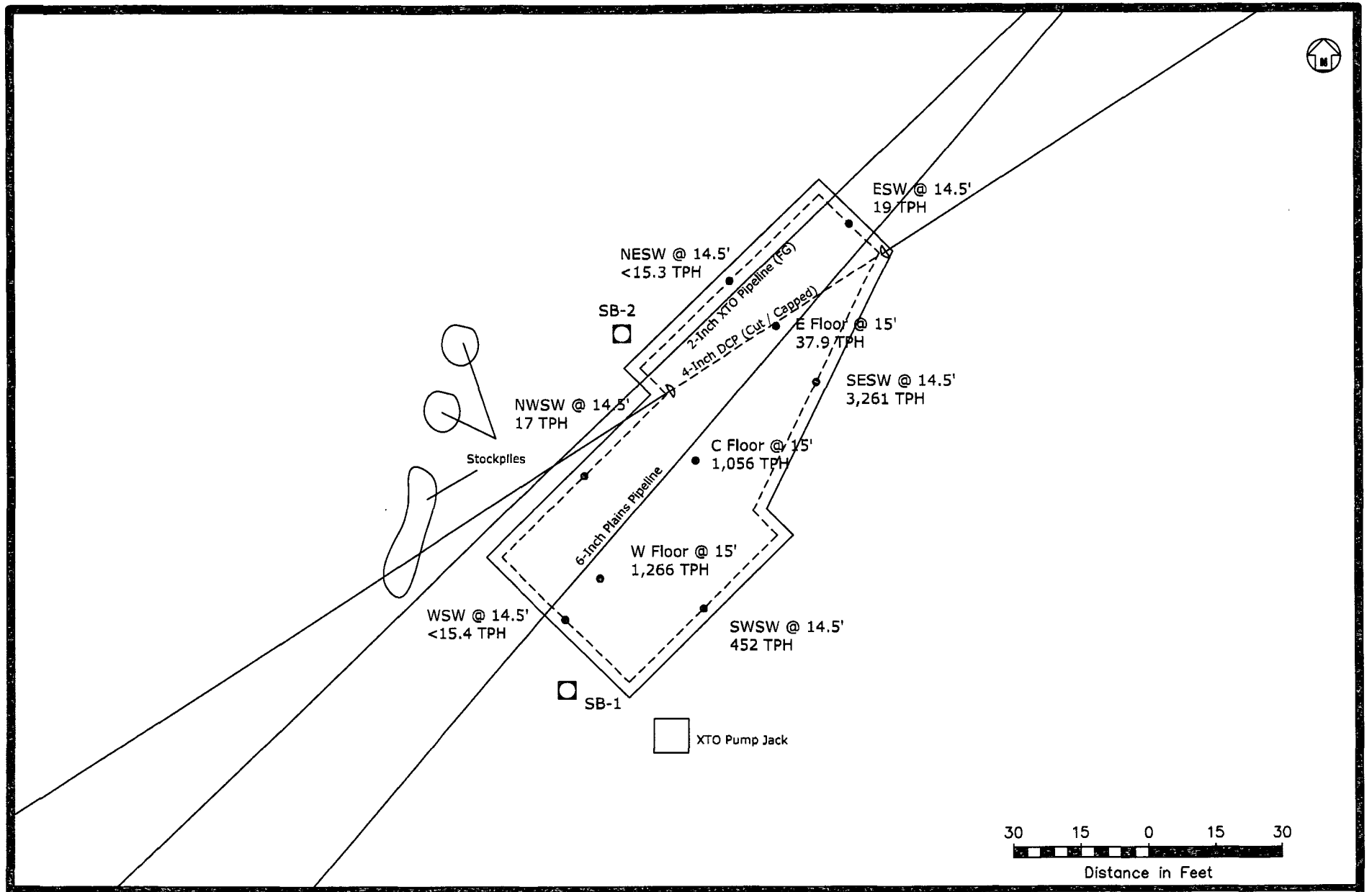
3000 1500 0 1500 3000

Distance in Feet

Figure 1
Site Location Map
Plains Pipeline, L.P.
DCP Plant to Lea Station 6-Inch
Lea County, New Mexico
SRS 2008-275

Basin Environmental Services

Prep By: CDS	Checked By: CDS
March 16, 2009	Scale 1"=3000'



Legend:

- Excavation Extents
- Pipeline
- SB-1 Soil Boring
- Sample Location

Figure 2
Site and Sample Location Map
Plains Pipeline, L.P.
DCP to Lea Station 6-Inch
Lea County, New Mexico
SRS # 2008-275
NMOCD Ref # 1RP-1971

Basin Environmental Services

Prep By: CDS	Checked By: CJB
December 4, 2008	Scale 1"=30'

Tables

TABLE 1

CONCENTRATIONS OF BTEX AND TPH IN SOIL

PLAINS PIPELINE, L.P.
DCP PLANT TO LEA STATION 6-INCH
LEA COUNTY, NEW MEXICO
SRS: 2008-275
NMOCD REFERENCE NO: 1RP-1971

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	DATE ANALYZED	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030						METHOD: 8015M			
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M.P. - XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	ORO C_{28}-C_{35} (mg/Kg)	TOTAL TPH C6-C35 (mg/Kg)
SB-1 @ 10'	10 feet	10/24/08	10/30/08	In-Situ	0.1062	4 270	3.128	10 98	3.701	22 1852	327	342	125	794
SB-1 @ 20'	20 feet	10/24/08	10/30/08	In-Situ	<0.0010	<0 0021	<0.0010	<0 0021	<0 0010	<0 0021	<15 5	54.0	21.8	75.8
SB-1 @ 30'	30 feet	10/24/08	10/30/08	In-Situ	<0.0010	<0 0020	<0.0010	<0 0020	<0 0010	<0 0020	<15 3	<15 3	<15 3	<15.3
SB-1 @ 40'	40 feet	10/24/08	10/30/08	In-Situ	0.0011	0 0081	0.0083	0 0325	0.0178	0.0678	20 8	68.1	<15.4	88.9
SB-1 @ 50'	50 feet	10/24/08	10/30/08	In-Situ	0.5007	10.93	5.345	14.10	7.287	38.1627	5,370	1,570	142	7,082
SB-1 @ 60'	60 feet	10/24/08	10/30/08	In-Situ	0.0163	0.1799	0.2564	0.8361	0.3198	1.6085	196	286	70.8	552.8
SB-1 @ 70'	70 feet	10/24/08	10/30/08	In-Situ	0.0114	0.0388	0.0136	0.0457	0.0202	0.1297	24 1	104	30.2	158 3
SB-1 @ 72'	72 feet	10/24/08	10/30/08	In-Situ	<0 0012	<0.0023	0.0012	0.0045	0.0017	0.0074	<17 6	<17 6	<17 6	<17 6
Stockpile (Trace)	N/A	10/31/08	10/31/08	N/A	1.77	42 20	33.60	83.9		161 47	568	4,130		4,698
Stockpile (Xenco)	N/A	10/31/08	11/10/08	N/A	1 64	77.57	49.90	182 2	62.07	373.38	5,050	469	<86 0	5,519
SB-2 @ 10'	10 feet	01/09/09	01/13/09	In-Situ	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0 0022	<16.3	<16 3	<16 3	<16.3
SB-2 @ 20'	20 feet	01/09/09	01/13/09	In-Situ	<0 0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	<15.7	<15 7	<15 7	<15.7
SB-2 @ 30'	30 feet	01/09/09	01/13/09	In-Situ	<0 0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.3	<15.3	<15.3	<15.3
SB-2 @ 40'	40 feet	01/09/09	01/13/09	In-Situ	<0 0010	<0 0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.2	<15.2	<15.2	<15.2
SB-2 @ 50'	50 feet	01/09/09	01/13/09	In-Situ	<0.0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	<15.5	<15.5	<15.5	<15.5
SB-2 @ 60'	60 feet	01/09/09	01/13/09	In-Situ	<0.0011	<0.0021	<0.0011	<0.0021	<0 0011	<0.0021	<16.0	<16.0	<16 0	<16.0
ESW @ 14.5'	14.5 feet	01/21/09	01/23/09	In-Situ	0.0127	0.1879	0.0664	0 1976	0.0375	0.5021	18.6	<15.2	<15 2	19
NESW @ 14 5'	14.5 feet	01/21/09	01/23/09	In-Situ	0 0102	0.0758	0.0175	0.0444	0.0099	0.1578	<15.3	<15.3	<15 3	<15.3
NWSW @ 14.5'	14.5 feet	01/21/09	01/23/09	In-Situ	0.0146	0.1483	0.0437	0.1075	0.0233	0.3374	17.0	<15.1	<15 1	17
SESW @ 14.5'	14.5 feet	01/21/09	01/23/09	In-Situ	0.0186	0.1126	0.012	0.0223	0 007	0.1725	38.8	2,990	232	3,261
SWSW @ 14.5'	14.5 feet	01/21/09	01/23/09	In-Situ	<0.0508	0.3422	0.7845	2.674	1.024	4.8247	215 0	207	30	452
WSW @ 14.5'	14.5 feet	01/21/09	01/23/09	In-Situ	<0.0010	0 0099	0.0053	0.0124	0.0028	0 0304	<15 4	<15.4	<15.4	<15.4
E Floor @ 15'	15 feet	01/21/09	01/23/09	In-Situ	<0 0010	0.0126	0.0069	0.0218	0 0049	0 0462	<15.1	38	<15.1	37.9
W Floor @ 15'	15 feet	01/21/09	01/23/09	In-Situ	0 0836	4.161	4 509	11 5	4 017	24.2706	913.0	328	25	1,266
C Floor @ 15'	15 feet	01/21/09	01/23/09	In-Situ	0.4157	11.01	8.918	25 42	9.998	55.7617	404.0	550	102	1,056
Stockpile #1	N/A	02/12/09	02/18/09	N/A	<0.0535	<0.1070	0.9546	4.183	3.278	8.4156	1,380	645	<161	2,025
Stockpile #2	N/A	02/12/09	02/18/09	N/A	0.3828	1.867	2.779	10.72	7.116	22.8648	1,310	593	<80.3	1,903
Stockpile #3	N/A	02/12/09	02/18/09	N/A	3.013	18.01	10.27	64 14	12.88	108.313	2,720	576	<85.1	3,296
Stockpile #4	N/A	02/12/09	02/18/09	N/A	<0.0534	0 1841	1.255	6 117	3.042	10.5981	1,060	518	<80.1	1,578
Stockpile #5	N/A	02/12/09	02/18/09	N/A	<0.0538	0 291	0 9154	3.56	2 13	6 8964	436	245.0	<80.7	681
Stockpile #3A	N/A	06/01/09	06/03/09	N/A	<0.0526	0.1604	0.2298	1.108	0.4427	1 9409	290	917	257	1,464
NMOCD REGULATORY STANDARD					10					50				5,000

TABLE 2

CONCENTRATIONS OF BENZENE & BTEX IN GROUNDWATER

PLAINS PIPELINE, L.P.
DCP PLANT TO LEA STATION 6-INCH
LEA COUNTY, NEW MEXICO
PLAINS SRS NO. 2008-275
NMOCD REF # 1RP-1971

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030					
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-Xylene (mg/L)	O-XYLENES (mg/L)	TOTAL BTEX (mg/L)
Prelim GW	01/09/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020
NMOCD REGULATORY STANDARD		0.01	0.75	0.75	0.62		

Appendices

Appendix A
Laboratory Reports

Analytical Report 315763

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6 Inch

SRS 2008-275

30-OCT-08

E84880

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

30-OCT-08

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **315763**
DCP Plant to Lea Station 6 Inch
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 315763. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 315763 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 315763

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6 Inch

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @10'	S	Oct-24-08 09:50		315763-001
SB-1 @20'	S	Oct-24-08 10:00		315763-002
SB-1 @30'	S	Oct-24-08 10:05		315763-003
SB-1 @40'	S	Oct-24-08 10:10		315763-004
SB-1 @50'	S	Oct-24-08 10:15		315763-005
SB-1 @60'	S	Oct-24-08 10:20		315763-006
SB-1 @70'	S	Oct-24-08 10:30		315763-007
SB-1 @72'	S	Oct-24-08 10:50		315763-008

Certificate of Analysis Summary 315763

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6 Inch

Project Id: SRS 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Fri Oct-24-08 05:27 pm
Report Date: 30-OCT-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	315763-001		315763-002		315763-003		315763-004		315763-005		315763-006	
	Field Id:	SB-1 @10'		SB-1 @20'		SB-1 @30'		SB-1 @40'		SB-1 @50'		SB-1 @60'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-24-08 09 50		Oct-24-08 10 00		Oct-24-08 10 05		Oct-24-08 10 10		Oct-24-08 10 15		Oct-24-08 10 20	
BTEX by EPA 8021B	*Extracted:*	Oct-29-08 16 50		Oct-29-08 16 50		Oct-29-08 16 50		Oct-29-08 16 50		Oct-29-08 16 50		Oct-29-08 16 50	
	Analyzed:	Oct-30-08 12 42		Oct-30-08 06 37		Oct-30-08 06 59		Oct-30-08 07 20		Oct-30-08 12 20		Oct-30-08 07 42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0 1062	0 0515	ND	0 0010	ND	0 0010	0 0011	0 0010	0 5007	0 0537	0 0163	0 0011
Toluene		4 270	0 1031	ND	0 0021	ND	0 0020	0 0081	0 0020	10 93	0 1073	0 1799	0 0022
Ethylbenzene		3 128	0 0515	ND	0 0010	ND	0 0010	0 0083	0 0010	5 345	0 0537	0 2564	0 0011
m,p-Xylenes		10 98	0 1031	ND	0 0021	ND	0 0020	0 0325	0 0020	14 10	0 1073	0 8361	0 0022
o-Xylene		3 701	0 0515	ND	0 0010	ND	0 0010	0 0178	0 0010	7 287	0 0537	0 3198	0 0011
Total Xylenes		14 681		ND		ND		0 0503		21 387		1 1559	
Total BTEX		22 1852		ND		ND		0 0678		38 1627		1 6085	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-27-08 17 00		Oct-27-08 17 00		Oct-27-08 17 00		Oct-27-08 17 00		Oct-27-08 17 00		Oct-27-08 17 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		2 99	1 00	3 35	1 00	2 12	1 00	2 38	1 00	6 83	1 00	8 29	1 00
TPH By SW8015 Mod	*Extracted:*	Oct-27-08 14 30		Oct-27-08 14 30		Oct-27-08 14 30		Oct-27-08 14 30		Oct-27-08 14 30		Oct-27-08 14 30	
	Analyzed:	Oct-28-08 10 43		Oct-28-08 11 08		Oct-28-08 11 59		Oct-28-08 12 25		Oct-28-08 12 50		Oct-28-08 13 14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		327	15 5	ND	15 5	ND	15 3	20 8	15 4	5370	16 1	196	16 4
C12-C28 Diesel Range Hydrocarbons		342	15 5	54 0	15 5	ND	15 3	68 1	15 4	1570	16 1	286	16 4
C28-C35 Oil Range Hydrocarbons		125	15 5	21 8	15 5	ND	15 3	ND	15 4	142	16 1	70 8	16 4
Total TPH		794		75 8		ND		88 9		7082		552 8	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 315763

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6 Inch

Project Id: SRS 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Fri Oct-24-08 05:27 pm
Report Date: 30-OCT-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	315763-007		315763-008			
	Field Id:	SB-1 @70'		SB-1 @72'			
	Depth:						
	Matrix:	SOIL		SOIL			
	Sampled:	Oct-24-08 10 30		Oct-24-08 10 50			
BTEX by EPA 8021B	*Extracted:*	Oct-29-08 16 50		Oct-29-08 16 50			
	Analyzed:	Oct-30-08 08 03		Oct-30-08 08 24			
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		0 0114	0 0011	ND	0 0012		
Toluene		0 0388	0 0023	ND	0 0023		
Ethylbenzene		0 0136	0 0011	0 0012	0 0012		
m,p-Xylenes		0 0457	0 0023	0 0045	0 0023		
o-Xylene		0 0202	0 0011	0 0017	0 0012		
Total Xylenes		0 0659		0 0062			
Total BTEX		0 1297		0 0074			
Percent Moisture	*Extracted:*						
	Analyzed:	Oct-27-08 17 00		Oct-27-08 17 00			
	Units/RL:	%	RL	%	RL		
Percent Moisture		11 97	1 00	14 56	1 00		
TPH By SW8015 Mod	*Extracted:*	Oct-27-08 14 30		Oct-27-08 14 30			
	Analyzed:	Oct-28-08 13 39		Oct-28-08 14.03			
	Units/RL:	mg/kg	RL	mg/kg	RL		
C6-C12 Gasoline Range Hydrocarbons		24 1	17 0	ND	17 6		
C12-C28 Diesel Range Hydrocarbons		104	17 0	ND	17 6		
C28-C35 Oil Range Hydrocarbons		30 2	17 0	ND	17 6		
Total TPH		158 3		ND			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 315763,

Project ID: SRS 2008-275

Lab Batch #: 738649 **Sample:** 315763-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0390	0.0300	130	80-120	**
4-Bromofluorobenzene	0.0818	0.0300	273	80-120	**

Lab Batch #: 738649 **Sample:** 315763-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0361	0.0300	120	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 738649 **Sample:** 315763-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0348	0.0300	116	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 738649 **Sample:** 315763-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0408	0.0300	136	80-120	**
4-Bromofluorobenzene	0.0681	0.0300	227	80-120	**

Lab Batch #: 738649 **Sample:** 315763-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.2280	0 0300	760	80-120	**
4-Bromofluorobenzene	0.0455	0.0300	152	80-120	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 315763,

Project ID: SRS 2008-275

Lab Batch #: 738649 **Sample:** 315763-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0491	0.0300	164	80-120	**
4-Bromofluorobenzene	0.2357	0.0300	786	80-120	**

Lab Batch #: 738649 **Sample:** 315763-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0248	0.0300	83	80-120	
4-Bromofluorobenzene	0.0676	0.0300	225	80-120	**

Lab Batch #: 738649 **Sample:** 315763-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0366	0.0300	122	80-120	**
4-Bromofluorobenzene	0.0369	0.0300	123	80-120	**

Lab Batch #: 738649 **Sample:** 518324-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	80-120	

Lab Batch #: 738649 **Sample:** 518324-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0221	0.0300	74	80-120	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 315763,

Project ID: SRS 2008-275

Lab Batch #: 738649 **Sample:** 518324-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 738479 **Sample:** 315760-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	59.5	50.0	119	70-135	

Lab Batch #: 738479 **Sample:** 315760-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	60.9	50.0	122	70-135	

Lab Batch #: 738479 **Sample:** 315763-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	54.8	50.0	110	70-135	

Lab Batch #: 738479 **Sample:** 315763-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	54.4	50.0	109	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 315763,

Project ID: SRS 2008-275

Lab Batch #: 738479 **Sample:** 315763-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	52.3	50.0	105	70-135	

Lab Batch #: 738479 **Sample:** 315763-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	54.5	50.0	109	70-135	

Lab Batch #: 738479 **Sample:** 315763-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	176	100	176	70-135	**
o-Terphenyl	68 2	50.0	136	70-135	**

Lab Batch #: 738479 **Sample:** 315763-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	56.7	50.0	113	70-135	

Lab Batch #: 738479 **Sample:** 315763-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	56.8	50.0	114	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 315763, **Project ID:** SRS 2008-275

Lab Batch #: 738479 **Sample:** 315763-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	56.6	50.0	113	70-135	

Lab Batch #: 738479 **Sample:** 518217-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	59 2	50.0	118	70-135	

Lab Batch #: 738479 **Sample:** 518217-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	58.8	50.0	118	70-135	

Lab Batch #: 738479 **Sample:** 518217-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	65.0	50.0	130	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Order #: 315763 **Project ID:** SRS 2008-275

Analyst: ASA **Date Prepared:** 10/29/2008 **Date Analyzed:** 10/30/2008

Lab Batch ID: 738649 **Sample:** 518324-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0 1000	0.0880	88	0.1	0.0913	91	4	70-130	35	
Toluene	ND	0 1000	0.0951	95	0 1	0.0934	93	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0970	97	0.1	0.0925	93	5	71-129	35	
m,p-Xylenes	ND	0.2000	0.2233	112	0.2	0.2074	104	7	70-135	35	
o-Xylene	ND	0.1000	0.1049	105	0.1	0.0970	97	8	71-133	35	

Analyst: ASA **Date Prepared:** 10/27/2008 **Date Analyzed:** 10/28/2008

Lab Batch ID: 738479 **Sample:** 518217-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	849	85	1000	839	84	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	897	90	1000	881	88	2	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Order # : 315763 **Project ID:** SRS 2008-275

Lab Batch ID: 738479 **QC- Sample ID:** 315760-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/28/2008 **Date Prepared:** 10/27/2008 **Analyst:** ASA

Reporting Units: mg/kg

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
TPH By SW8015 Mod **Analytes**	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
C6-C12 Gasoline Range Hydrocarbons	ND	1020	813	80	1020	809	79	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1020	889	87	1020	885	87	0	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6 Inch

Work Order #: 315763

Lab Batch #: 738311 **Project ID:** SRS 2008-275

Date Analyzed: 10/27/2008 **Date Prepared:** 10/27/2008 **Analyst:** BEV

QC- Sample ID: 738311-1 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	7.28	7.28	NC	20	

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax 432-563-1713

Project Manager: Camille J Bryant PAGE 01 OF 01

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P O Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (575) 605-7210 Fax No: (505) 396-1429

Sampler Signature: C Bryant e-mail: cjbryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6 Inch

Project #: SRS 2008-275

Project Loc: Lea County, NM

PO #: PAA - Daniel Bryant

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

(lab use only)
ORDER #: 315763

Analyze For: TCLP / TOTAL (X under BTEX)

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW = Drinking Water SL = Sludge; GW = Groundwater S = Soil/Solid; NP = Non-Potable Specify Other)	TPH 418.1 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca Mg Na K)	Anions (Cl SO4 Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	SB-1 @ 10'			10/24/2008	950		1	X								SOIL	X								X							X
02	SB-1 @ 20'			10/24/2008	1000		1	X								SOIL	X								X							X
03	SB-1 @ 30'			10/24/2008	1005		1	X								SOIL	X								X							X
04	SB-1 @ 40'			10/24/2008	1010		1	X								SOIL	X								X							X
05	SB-1 @ 50'			10/24/2008	1015		1	X								SOIL	X								X							X
06	SB-1 @ 60'			10/24/2008	1020		1	X								SOIL	X								X							X
07	SB-1 @ 70'			10/24/2008	1030		1	X								SOIL	X								X							X
08	SB-1 @ 72'			10/24/2008	1050		1	X								SOIL	X								X							X

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
C Bryant	10/24/08	1426	[signature]	10/24/08	1426
[signature]	10/24/08	1727			
			Received by ELOT [signature]	10/24/08	1727

Laboratory Comments:

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

4 (0 2 -) (-4)

Temperature Upon Receipt: 4 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Plains | Basin Env.

Date/ Time: 10.24.08 1727

Lab ID #: 315763

Initials: AL

Sample Receipt Checklist

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

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time _____

Regarding _____

Corrective Action Taken.

Check all that Apply.

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

Analytical Report 316338

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6"

2008-275

12-NOV-08

E84880

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

12-NOV-08

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **316338**
DCP Plant to Lea Station 6"
Project Address: South of Monument

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 316338. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 316338 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 316338

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Stockpile	S	Oct-31-08 10:52		316338-001

Certificate of Analysis Summary 316338

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6"

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: South of Monument

Date Received in Lab: Fri Oct-31-08 04:05 pm
Report Date: 12-NOV-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	316338-001					
	Field Id.	Stockpile					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Oct-31-08 10 52					
BTEX by EPA 8021B	*Extracted*	Nov-10-08 10 00					
	Analyzed:	Nov-10-08 16 06					
	Units/RL:	mg/kg RL					
Benzene		1 640 1 147					
Toluene		77 57 2 293					
Ethylbenzene		49 90 1 147					
m,p-Xylenes		182 2 2 293					
o-Xylene		62 07 1 147					
Total Xylenes		244 27					
Total BTEX		373 38					
Percent Moisture	*Extracted:*						
	Analyzed:	Oct-31-08 17 00					
	Units/RL.	% RL					
Percent Moisture		12 8 1 00					
TPH by SW8015 Mod	*Extracted:*	Oct-31-08 17 00					
	Analyzed:	Nov-02-08 00 16					
	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		5050 86 0					
C12-C28 Diesel Range Hydrocarbons		469 86 0					
C28-C35 Oil Range Hydrocarbons		ND 86 0					
Total TPH		5519					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 316338,

Project ID: 2008-275

Lab Batch #: 739751 **Sample:** 316338-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0361	0.0300	120	80-120	
4-Bromofluorobenzene	0.0621	0.0300	207	80-120	**

Lab Batch #: 739751 **Sample:** 316870-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0310	0.0300	103	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	

Lab Batch #: 739751 **Sample:** 316870-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0198	0.0300	66	80-120	**

Lab Batch #: 739751 **Sample:** 518991-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0362	0.0300	121	80-120	**

Lab Batch #: 739751 **Sample:** 518991-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0318	0.0300	106	80-120	
4-Bromofluorobenzene	0.0358	0.0300	119	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 316338, **Project ID:** 2008-275

Lab Batch #: 739751 **Sample:** 518991-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0353	0.0300	118	80-120	

Lab Batch #: 739074 **Sample:** 316212-008 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	61.4	50.0	123	70-135	

Lab Batch #: 739074 **Sample:** 316212-008 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	62.8	50.0	126	70-135	

Lab Batch #: 739074 **Sample:** 316338-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	131	100	131	70-135	
o-Terphenyl	69.6	50.0	139	70-135	**

Lab Batch #: 739074 **Sample:** 518572-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	62.8	50.0	126	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 316338, **Project ID:** 2008-275

Lab Batch #: 739074 **Sample:** 518572-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	61.8	50.0	124	70-135	

Lab Batch #: 739074 **Sample:** 518572-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	62.1	50.0	124	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order #: 316338 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 11/10/2008 **Date Analyzed:** 11/10/2008

Lab Batch ID: 739751 **Sample:** 518991-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0 5000	0.5045	101	0.5	0.5103	102	1	70-130	35	
Toluene	ND	0.5000	0.5373	107	0.5	0.5332	107	1	70-130	35	
Ethylbenzene	ND	0.5000	0 5337	107	0.5	0.5139	103	4	71-129	35	
m,p-Xylenes	ND	1.000	1.188	119	1	1.143	114	4	70-135	35	
o-Xylene	ND	0.5000	0.5671	113	0.5	0.5421	108	5	71-133	35	

Analyst: ASA **Date Prepared:** 10/31/2008 **Date Analyzed:** 11/02/2008

Lab Batch ID: 739074 **Sample:** 518572-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	879	88	1000	866	87	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	934	93	1000	912	91	2	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order # : 316338 **Project ID:** 2008-275

Lab Batch ID: 739751 **QC- Sample ID:** 316870-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/10/2008 **Date Prepared:** 11/10/2008 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.5116	0.2317	45	0.5116	0.2437	48	6	70-130	35	X
Toluene	0.0163	0 5116	0.2894	53	0.5116	0.2656	49	8	70-130	35	X
Ethylbenzene	0.0063	0.5116	0 1434	27	0.5116	0.1111	20	30	71-129	35	X
m,p-Xylenes	0.0270	1.023	0 7032	66	1.023	0.4388	40	49	70-135	35	XF
o-Xylene	0.0123	0.5116	0.2534	47	0.5116	0.1596	29	47	71-133	35	XF

Lab Batch ID: 739074 **QC- Sample ID:** 316212-008 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 11/03/2008 **Date Prepared:** 10/31/2008 **Analyst:** ASA

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1070	878	82	1070	901	84	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1070	937	88	1070	961	90	2	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6"

Work Order #: 316338

Lab Batch #: 738813 **Project ID:** 2008-275

Date Analyzed: 10/31/2008 **Date Prepared:** 10/31/2008 **Analyst:** ASA

QC- Sample ID: 316265-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	10.7	9.86	8	20	

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

Environmental Lab of Texas

A Xenco Laboratories Company

12600 West I-20 East
Odessa Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: CAMILLE BRYANT
Company Name: 2600 PLAINS Hwy
Company Address: BASIN ENVIRONMENTAL
City/State/Zip: LOVINGTON, NM 88260
Telephone No: 575-441-2244
Fax No:
Sampler Signature: [signature] - CJB
e-mail: cjbryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6"
Project #: 2008-275
Project Loc: SOUTH OF MONUMENT
PO #: PAA - DM BRYANT

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 316998

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled (2008)	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	STOCKPILE			10/31	1052		1	X								S	X								X						X	

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	10/31/08	1605			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT: Andrea Lam	10 31 08	16:05

Laboratory Comments:
[illegible]
VOCs Free of Headspace? Y N
[illegible]
Custody seals on container(s) Y N
[illegible]
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
4 oz glass
Temperature Upon Receipt 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin / Plains

Date/ Time: 10 31 08 10 05

Lab ID #: 316338

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
9015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Camille Bryant
Basin Environmental Service Tech LLC
2800 Plains Hwy.
P.O. Box 301
Lovington, NM, 88260

Report Date: November 4, 2005

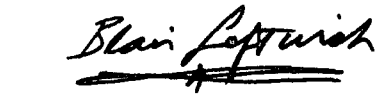
Work Order: 8103141

Project Location: South of Monument, NM
Project Name: DCP Plant to Lea Station 6 in.
Project Number: DCP Plant to Lea Station 6 in.
SRS#: 2008-275

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
177899	Stockpile	soil	2008-10-31	10:52	2008-10-31

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.



Dr. Blair Leftwich, Director

Standard Flags

B - *The sample contains less than ten times the concentration found in the method blank.*

Case Narrative

Samples for project DCP Plant to Lea Station 6 in. were received by TraceAnalysis, Inc. on 2008-10-31 and assigned to work order 8103141. Samples for work order 8103141 were received intact without headspace and at a temperature of 3.2 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8103141 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 177899 - Stockpile

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	53836	Date Analyzed:	2008-11-01	Analyzed By:	AG
Prep Batch:	46075	Sample Preparation:	2008-10-31	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**1.77**		mg/Kg	20	0.0100
Toluene		**42.2**		mg/Kg	20	0.0100
Ethylbenzene		**33.6**		mg/Kg	20	0.0100
Xylene		**83.9**		mg/Kg	20	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	14.1	mg/Kg	20	20.0	70	70.9 - 125.1
4-Bromofluorobenzene (4-BFB)		19.8	mg/Kg	20	20.0	99	48.9 - 160.4

Sample: 177899 - Stockpile

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	53798	Date Analyzed:	2008-10-31	Analyzed By:	LD
Prep Batch:	46048	Sample Preparation:	2008-10-31	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**568**		mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	333	mg/Kg	5	100	333	10 - 250.4

Sample: 177899 - Stockpile

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	53838	Date Analyzed:	2008-11-01	Analyzed By:	AG
Prep Batch:	46075	Sample Preparation:	2008-10-31	Prepared By:	AG

continued ...

[1]Surrogate out due to peak interference.
[2]High surrogate recovery due to peak interference.

sample 177899 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**4130**	mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		18.7	mg/Kg	20	20.0	94	75 - 117.2
4-Bromofluorobenzene (4-BFB)	[3]	31.7	mg/Kg	20	20.0	158	66 - 142.8

Method Blank (1) QC Batch: 53798

QC Batch: 53798 | Date Analyzed: 2008-10-31 | Analyzed By: LD
Prep Batch: 46048 | QC Preparation: 2008-10-31 | Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		93.6	mg/Kg	1	100	94	30.9 - 146.4

Method Blank (1) QC Batch: 53836

QC Batch: 53836 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00800	mg/Kg	0.01
Toluene		<0.00800	mg/Kg	0.01
Ethylbenzene		<0.00820	mg/Kg	0.01
Xylene		<0.00960	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.751	mg/Kg	1	1.00	75	72.3 - 121.6
4-Bromofluorobenzene (4-BFB)		0.728	mg/Kg	1	1.00	73	72 - 123

[3]High surrogate recovery due to peak interference.

Method Blank (1) QC Batch: 53838

QC Batch: 53838 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		0.817	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.860	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.875	mg/Kg	1	1.00	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 53798 | Date Analyzed: 2008-10-31 | Analyzed By: LD
Prep Batch: 46048 | QC Preparation: 2008-10-31 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	232	mg/Kg	1	250	<15.8	93	27.8 - 152.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	254	mg/Kg	1	250	<15.8	102	27.8 - 152.1	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	95.3	93.5	mg/Kg	1	100	95	94	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 53836 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.884	mg/Kg	1	1.00	<0.00800	88	72.7 - 129.8
Toluene	0.900	mg/Kg	1	1.00	<0.00800	90	71.6 - 129.6
Ethylbenzene	0.902	mg/Kg	1	1.00	<0.00820	90	70.8 - 129.7
Xylene	2.56	mg/Kg	1	3.00	<0.00960	85	70.9 - 129.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.887	mg/Kg	1	1.00	<0.00800	89	72.7 - 129.8	0	20
Toluene	0.894	mg/Kg	1	1.00	<0.00800	89	71.6 - 129.6	1	20
Ethylbenzene	0.898	mg/Kg	1	1.00	<0.00820	90	70.8 - 129.7	0	20
Xylene	2.55	mg/Kg	1	3.00	<0.00960	85	70.9 - 129.4	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.726	0.747	mg/Kg	1	1.00	73	75	72.9 - 122.8
4-Bromofluorobenzene (4-BFB)	0.748	0.740	mg/Kg	1	1.00	75	74	73.8 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 53838 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.21	mg/Kg	1	10.0	<0.171	82	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.85	mg/Kg	1	10.0	<0.171	88	70 - 130	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.882	0.896	mg/Kg	1	1.00	88	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.903	0.905	mg/Kg	1	1.00	90	90	70 - 130

Matrix Spike (MS-1) Spiked Sample: 177580

QC Batch: 53798 | Date Analyzed: 2008-10-31 | Analyzed By: LD
Prep Batch: 46048 | QC Preparation: 2008-10-31 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	215	mg/Kg	1	250	75.1	56	18 - 179.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	248	mg/Kg	1	250	75.1	69	18 - 179.5	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	108	106	mg/Kg	1	100	108	106	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 177751

QC Batch: 53836 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.895	mg/Kg	1	1.00	<0.00800	90	58.6 - 165.2
Toluene	0.921	mg/Kg	1	1.00	0.0293	89	64.2 - 153.8
Ethylbenzene	0.946	mg/Kg	1	1.00	<0.00820	95	61.6 - 159.4
Xylene	2.69	mg/Kg	1	3.00	<0.00960	90	64.4 - 155.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.958	mg/Kg	1	1.00	<0.00800	96	58.6 - 165.2	7	20
Toluene	0.989	mg/Kg	1	1.00	0.0293	96	64.2 - 153.8	7	20
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00820	102	61.6 - 159.4	8	20
Xylene	2.90	mg/Kg	1	3.00	<0.00960	97	64.4 - 155.3	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [4] [5]	0.718	0.730	mg/Kg	1	1	72	73	76.5 - 127.9
4-Bromofluorobenzene (4-BFB)	0.749	0.756	mg/Kg	1	1	75	76	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 177751

QC Batch: 53838 | Date Analyzed: 2008-11-01 | Analyzed By: AG
Prep Batch: 46075 | QC Preparation: 2008-10-31 | Prepared By: AG

continued ...

[4]Surrogate out due to peak interference.
[5]Surrogate out due to peak interference.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.7	mg/Kg	1	10.0	1.02	97	22.3 - 134.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.2	mg/Kg	1	10.0	1.02	92	22.3 - 134.6	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [6]	1.14	0.822	mg/Kg	1	1	114	82	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	0.869	0.908	mg/Kg	1	1	87	91	66.7 - 134.3

Standard (CCV-1)

QC Batch: 53798 Date Analyzed: 2008-10-31 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	262	105	85 - 115	2008-10-31

Standard (CCV-2)

QC Batch: 53798 Date Analyzed: 2008-10-31 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	85 - 115	2008-10-31

Standard (ICV-1)

QC Batch: 53836 Date Analyzed: 2008-11-01 Analyzed By: AG

[6] High surrogate recovery due to peak interference.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0895	90	85 - 115	2008-11-01
Toluene		mg/Kg	0.100	0.0905	90	85 - 115	2008-11-01
Ethylbenzene		mg/Kg	0.100	0.0900	90	85 - 115	2008-11-01
Xylene		mg/Kg	0.300	0.255	85	85 - 115	2008-11-01

Standard (CCV-1)

QC Batch: 53836 Date Analyzed: 2008-11-01 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0864	86	85 - 115	2008-11-01
Toluene		mg/Kg	0.100	0.0873	87	85 - 115	2008-11-01
Ethylbenzene		mg/Kg	0.100	0.0883	88	85 - 115	2008-11-01
Xylene	[7]	mg/Kg	0.300	0.250	83	85 - 115	2008-11-01

Standard (ICV-1)

QC Batch: 53838 Date Analyzed: 2008-11-01 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.02	102	85 - 115	2008-11-01

Standard (CCV-1)

QC Batch: 53838 Date Analyzed: 2008-11-01 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.02	102	85 - 115	2008-11-01

[7]Xylene outside of control limits on CCV. CCV component average is 0.0853 which is within acceptable range. This is acceptable by Method 8000.

LAB Order ID # 8103141 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
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8808 Camp Bowie Blvd West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: BASIN ENVIRONMENTAL
Phone #: 575-441-2244
Address: (Street, City, Zip) 2800 PLAINS Hwy LOVINGTON, NM
Fax #: 575-396-1429
Contact Person: CAMILLE BRYANT
E-mail: cjbryant@basin-consultants.com
Invoice to: (If different from above) PLAINS
Project #: DCP PLANT TO LEA STATION 6"
Project Name: 2008-275
Project Location (including state): SOUTH OF MONUMENT, NM
Sampler Signature: C J BRYANT by CB

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B / 200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content							Turn Around Time if different from standard	Hold
77899	STOCKPILE	1	4oz	X				X						10/31/2008	1052		X		X																			X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]	BASIN	10/31/08	1625	[signature]	Trace	10/31/08	16:25	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact Y N
Headspace Y N NA
3.2°C
Log-In-Review [initials]

REMARKS:
24 hr - need Monday
All tests Midland.

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

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

ORIGINAL COPY

Analytical Report 322296

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6"

2008-275

15-JAN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

15-JAN-09

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **322296**
DCP Plant to Lea Station 6"
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 322296. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 322296 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 322296

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-2 10'	S	Jan-09-09 10:00		322296-001
SB-2 20'	S	Jan-09-09 10:10		322296-002
SB-2 30'	S	Jan-09-09 10:20		322296-003
SB-2 40'	S	Jan-09-09 10:30		322296-004
SB-2 50'	S	Jan-09-09 10:45		322296-005
SB-2 60'	S	Jan-09-09 10:55		322296-006

Certificate of Analysis Summary 322296

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6"

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Tue Jan-13-09 10:36 am
Report Date: 15-JAN-09
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	322296-001		322296-002		322296-003		322296-004		322296-005		322296-006	
	Field Id.	SB-2 10'		SB-2 20'		SB-2 30'		SB-2 40'		SB-2 50'		SB-2 60'	
	Depth												
	Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-09-09 10 00		Jan-09-09 10 10		Jan-09-09 10 20		Jan-09-09 10 30		Jan-09-09 10 45		Jan-09-09 10 55	
BTEX by EPA 8021B	*Extracted:*	Jan-13-09 13 00		Jan-13-09 13 00		Jan-13-09 13 00		Jan-13-09 13 00		Jan-13-09 13 00		Jan-13-09 13 00	
	Analyzed:	Jan-13-09 18 57		Jan-13-09 19 18		Jan-13-09 19 39		Jan-13-09 20 01		Jan-13-09 20 22		Jan-13-09 20 43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0 0011	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0011
Toluene		ND	0 0022	ND	0 0021	ND	0 0020	ND	0 0020	ND	0 0021	ND	0 0021
Ethylbenzene		ND	0 0011	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0011
m,p-Xylenes		ND	0 0022	ND	0 0021	ND	0 0020	ND	0 0020	ND	0 0021	ND	0 0021
o-Xylene		ND	0 0011	ND	0.0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0011
Total Xylenes		ND	0 0022	ND	0 0021	ND	0 0020	ND	0 0020	ND	0 0021	ND	0 0021
Total BTEX		ND	0 0011	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0011
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-13-09 17 00		Jan-13-09 17 00		Jan-13-09 17 00		Jan-13-09 17 00		Jan-13-09 17 00		Jan-13-09 17 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		8 07	1 00	4 54	1 00	2 08	1 00	1 03	1 00	3 11	1 00	6 19	1 00
TPH By SW8015 Mod	*Extracted:*	Jan-13-09 13 30		Jan-13-09 13 30		Jan-13-09 13 30		Jan-13-09 13 30		Jan-13-09 13 30		Jan-13-09 13 30	
	Analyzed:	Jan-13-09 18 54		Jan-13-09 19 19		Jan-13-09 19 44		Jan-13-09 20 34		Jan-13-09 20 59		Jan-13-09 21 25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	16 3	ND	15 7	ND	15 3	ND	15 2	ND	15 5	ND	16 0
C12-C28 Diesel Range Hydrocarbons		ND	16 3	ND	15 7	ND	15 3	ND	15 2	ND	15 5	ND	16 0
C28-C35 Oil Range Hydrocarbons		ND	16 3	ND	15 7	ND	15 3	ND	15 2	ND	15 5	ND	16 0
Total TPH		ND	16 3	ND	15 7	ND	15 3	ND	15 2	ND	15 5	ND	16 0

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322296,

Project ID: 2008-275

Lab Batch #: 746367 **Sample:** 322296-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0347	0.0300	116	80-120	

Lab Batch #: 746367 **Sample:** 322296-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

Lab Batch #: 746367 **Sample:** 322296-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0309	0 0300	103	80-120	

Lab Batch #: 746367 **Sample:** 322296-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0341	0 0300	114	80-120	

Lab Batch #: 746367 **Sample:** 322296-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0 0300	102	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322296, **Project ID:** 2008-275

Lab Batch #: 746367 **Sample:** 322296-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0310	0.0300	103	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	80-120	

Lab Batch #: 746367 **Sample:** 322296-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0339	0.0300	113	80-120	

Lab Batch #: 746367 **Sample:** 322296-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	80-120	
4-Bromofluorobenzene	0.0332	0.0300	111	80-120	

Lab Batch #: 746367 **Sample:** 522852-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 746367 **Sample:** 522852-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0331	0.0300	110	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322296, **Project ID:** 2008-275

Lab Batch #: 746367 **Sample:** 522852-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0 0295	0 0300	98	80-120	

Lab Batch #: 746422 **Sample:** 322296-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	55.1	50.0	110	70-135	

Lab Batch #: 746422 **Sample:** 322296-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	48.9	50.0	98	70-135	

Lab Batch #: 746422 **Sample:** 322296-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	48.4	50.0	97	70-135	

Lab Batch #: 746422 **Sample:** 322296-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.6	100	99	70-135	
o-Terphenyl	53.0	50.0	106	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322296,

Project ID: 2008-275

Lab Batch #: 746422 **Sample:** 322296-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.3	100	98	70-135	
o-Terphenyl	52.1	50.0	104	70-135	

Lab Batch #: 746422 **Sample:** 322296-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.7	100	99	70-135	
o-Terphenyl	51.9	50.0	104	70-135	

Lab Batch #: 746422 **Sample:** 322296-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	54.5	50.0	109	70-135	

Lab Batch #: 746422 **Sample:** 322296-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.2	100	99	70-135	
o-Terphenyl	53.9	50.0	108	70-135	

Lab Batch #: 746422 **Sample:** 522884-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	51.6	50.0	103	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322296, **Project ID:** 2008-275

Lab Batch #: 746422 **Sample:** 522884-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.4	100	98	70-135	
o-Terphenyl	54.6	50.0	109	70-135	

Lab Batch #: 746422 **Sample:** 522884-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	100	117	70-135	
o-Terphenyl	52.5	50.0	105	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order #: 322296 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 01/13/2009 **Date Analyzed:** 01/13/2009

Lab Batch ID: 746367 **Sample:** 522852-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Benzene	ND	0.1000	0.0988	99	0.1	0.0978	98	1	70-130	35	
Toluene	ND	0.1000	0.0965	97	0.1	0.0958	96	1	70-130	35	
Ethylbenzene	ND	0.1000	0.1028	103	0.1	0 1022	102	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2038	102	0.2	0.2025	101	1	70-135	35	
o-Xylene	ND	0.1000	0.0985	99	0.1	0.0978	98	1	71-133	35	

Analyst: BHW **Date Prepared:** 01/13/2009 **Date Analyzed:** 01/13/2009

Lab Batch ID: 746422 **Sample:** 522884-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
C6-C12 Gasoline Range Hydrocarbons	ND	1000	1110	111	1000	1110	111	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1090	109	1000	1070	107	2	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order # : 322296 **Project ID:** 2008-275

Lab Batch ID: 746367 **QC- Sample ID:** 322296-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/14/2009 **Date Prepared:** 01/13/2009 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1088	0 0666	61	0.1088	0.0689	63	3	70-130	35	X
Toluene	ND	0.1088	0.0647	59	0.1088	0.0665	61	3	70-130	35	X
Ethylbenzene	ND	0.1088	0.0674	62	0.1088	0.0690	63	2	71-129	35	X
m,p-Xylenes	ND	0.2176	0.1332	61	0.2176	0.1359	62	2	70-135	35	X
o-Xylene	ND	0 1088	0.0612	56	0.1088	0.0629	58	4	71-133	35	X

Lab Batch ID: 746422 **QC- Sample ID:** 322296-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/14/2009 **Date Prepared:** 01/13/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1090	1160	106	1090	1180	108	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1090	1120	103	1090	1140	105	2	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6"

Work Order #: 322296

Lab Batch #: 746380 **Project ID:** 2008-275

Date Analyzed: 01/13/2009 **Date Prepared:** 01/13/2009 **Analyst:** BEV

QC- Sample ID: 322296-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	8.07	10.4	25	20	F

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone 432-563-1800
Fax: 432-563-1713

Project Manager: Camille Bryant
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P. O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575)605-7210 Fax No: (505) 396-1429
Sampler Signature: Curt Stanley e-mail: cjbryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6"
Project #: 2008-275
Project Loc: Lea County, NM
PO #: PAA - D Bryant
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 322296

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Preservation & # of Containers: Total # of Containers	Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW – Drinking Water SL – Sludge GW – Groundwater S – Soil/Solid NP – Non Potable Specify Other	Analyze For: TCLP / TOTAL: 8015M 418.1	TPH TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	RUSH TAT (Pre-Schedule) 24 48 72 hrs	Standard TAT 4 DAY
01	SB-2 10'			9-Jan-09	1000		1	X								SOIL	X								X					X
02	SB-2 20'			9-Jan-09	1010		1	X								SOIL	X								X					X
03	SB-2 30'			9-Jan-09	1020		1	X								SOIL	X								X					X
04	SB-2 40'			9-Jan-09	1030		1	X								SOIL	X								X					X
05	SB-2 50'			9-Jan-09	1045		1	X								SOIL	X								X					X
06	SB-2 60'			9-Jan-09	1055		1	X								SOIL	X								X					X

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Curt Stanley	1/13/09	7:10	Vince Rymolds	1-13-09	7:10
Relinquished by	Date	Time	Received by	Date	Time
	1/13/09	1035			
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Andrea Fenn	1 13 09	10 36

Laboratory Comments:
Sample Containers Intact? N
VOCs Free of Headspace? N
Labels on container(s) N
Custody seals on container(s) N
Custody seals on cooler(s) N
Sample Hand Delivered by Sampler/Client Rep ? N
by Courier? UPS DHL FedEx Lone Star
407911955
Temperature Upon Receipt -2.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env. | Plains

Date/ Time: 1 13 09 10:36

Lab ID #: 32279W

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	-2.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

_____

_____

_____

Check all that Apply

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

Analytical Report 323065

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6"

2008-275

23-JAN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

23-JAN-09

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **323065**
DCP Plant to Lea Station 6"
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 323065. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 323065 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 323065

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
ESW @ 14.5'	S	Jan-21-09 13:30		323065-001
NESW @ 14.5'	S	Jan-21-09 13:40		323065-002
NWSW @ 14.5'	S	Jan-21-09 13:50		323065-003
SESW @ 14.5'	S	Jan-21-09 14:00		323065-004
SWSW @ 14.5'	S	Jan-21-09 14:10		323065-005
WSW @ 14.5'	S	Jan-21-09 14:20		323065-006
E Floor @ 15'	S	Jan-21-09 14:30		323065-007
W Floor @ 15'	S	Jan-21-09 14:40		323065-008
C Floor @ 15'	S	Jan-21-09 14:50		323065-009

Certificate of Analysis Summary 323065

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6"

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-22-09 08:24 am
Report Date: 23-JAN-09
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	323065-001		323065-002		323065-003		323065-004		323065-005		323065-006	
	Field Id:	ESW @ 14 5'		NESW @ 14 5'		NWSW @ 14 5'		SESW @ 14 5'		SWSW @ 14 5'		WSW @ 14 5'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-21-09 13 30		Jan-21-09 13 40		Jan-21-09 13 50		Jan-21-09 14 00		Jan-21-09 14 10		Jan-21-09 14 20	
BTEX by EPA 8021B	*Extracted:*	Jan-22-09 15 30		Jan-22-09 15 30		Jan-22-09 15 30		Jan-22-09 15 30		Jan-22-09 15 30		Jan-22-09 15 30	
	Analyzed:	Jan-22-09 23 40		Jan-23-09 00 00		Jan-23-09 00 21		Jan-23-09 00 43		Jan-23-09 05 38		Jan-23-09 01 04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		0 0127	0 0010	0 0102	0 0010	0 0146	0 0010	0 0186	0.0010	ND	0 0508	ND	0 0010
Toluene		0 1879	0 0020	0 0758	0 0020	0 1483	0 0020	0 1126	0 0020	0 3422	0 1016	0 0099	0 0020
Ethylbenzene		0 0664	0 0010	0 0175	0 0010	0 0437	0 0010	0 0120	0 0010	0 7845	0 0508	0 0053	0 0010
m,p-Xylenes		0 1976	0 0020	0 0444	0 0020	0 1075	0 0020	0 0223	0 0020	2 674	0 1016	0 0124	0 0020
o-Xylene		0 0375	0 0010	0 0099	0 0010	0 0233	0 0010	0 0070	0 0010	1 024	0 0508	0 0028	0 0010
Total Xylenes		0 2351	0 0020	0 0543	0 0020	0 1308	0 0020	0 0293	0 0020	3 698	0 1016	0 0152	0 0020
Total BTEX		0 5021	0 0010	0 1578	0 0010	0 3374	0 0010	0 1725	0 0010	4 8247	0 0508	0 0304	0 0010
Percent Moisture	*Extracted:*												
	Analyzed:	Jan-22-09 17 00		Jan-22-09 17 00		Jan-22-09 17 00		Jan-22-09 17 00		Jan-22-09 17 00		Jan-22-09 17 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		1 30	1 00	2 03	1 00	ND	1 00	2 06	1 00	1 53	1 00	2 32	1 00
TPH By SW8015 Mod	*Extracted:*	Jan-22-09 14 25		Jan-22-09 14 25		Jan-22-09 14 25		Jan-22-09 14 25		Jan-22-09 14 25		Jan-22-09 14 25	
	Analyzed:	Jan-22-09 18 00		Jan-22-09 18 25		Jan-22-09 18 49		Jan-22-09 19 14		Jan-22-09 19 38		Jan-22-09 20 03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		18 6	15 2	ND	15 3	17 0	15 1	38 8	15 3	215	15 2	ND	15 4
C12-C28 Diesel Range Hydrocarbons		ND	15 2	ND	15 3	ND	15 1	2990	15 3	207	15 2	ND	15 4
C28-C35 Oil Range Hydrocarbons		ND	15 2	ND	15 3	ND	15 1	232	15 3	30 0	15 2	ND	15 4
Total TPH		18 6	15 2	ND	15 3	17	15 1	3260 8	15 3	452	15 2	ND	15 4

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 323065

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6"

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu Jan-22-09 08:24 am
Report Date: 23-JAN-09
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	323065-007		323065-008		323065-009					
	Field Id:	E Floor @ 15'		W Floor @ 15'		C Floor @ 15'					
	Depth:										
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Jan-21-09 14 30		Jan-21-09 14 40		Jan-21-09 14 50					
BTEX by EPA 8021B	*Extracted:*	Jan-22-09 15 30		Jan-22-09 15 30		Jan-22-09 15 30					
	Analyzed:	Jan-23-09 01 25		Jan-23-09 05 59		Jan-23-09 06 20					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0 0010	0 0836	0 0507	0 4157	0 0513				
Toluene		0 0126	0 0020	4 161	0 1013	11 01	0 1026				
Ethylbenzene		0 0069	0 0010	4 509	0 0507	8 918	0 0513				
m,p-Xylenes		0 0218	0 0020	11 50	0 1013	25 42	0 1026				
o-Xylene		0 0049	0 0010	4 017	0 0507	9 998	0 0513				
Total Xylenes		0 0267	0 0020	15 517	0 1013	35 418	0 1026				
Total BTEX		0 0462	0 0010	24 2706	0 0507	55 7617	0 0513				
Percent Moisture	*Extracted:*										
	Analyzed:	Jan-22-09 17 00		Jan-22-09 17 00		Jan-22-09 17 00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		ND	1 00	1 28	1 00	2 57	1 00				
TPH By SW8015 Mod	*Extracted:*	Jan-22-09 14 25		Jan-22-09 14 25		Jan-22-09 14 25					
	Analyzed:	Jan-22-09 20 27		Jan-22-09 20 51		Jan-22-09 21 16					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	15 1	913	15 2	404	15 4				
C12-C28 Diesel Range Hydrocarbons		37 9	15 1	328	15 2	550	15 4				
C28-C35 Oil Range Hydrocarbons		ND	15 1	25 0	15 2	102	15 4				
Total TPH		37 9	15 1	1266	15 2	1056	15 4				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065,

Project ID: 2008-275

Lab Batch #: 747356 **Sample:** 323065-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0330	0.0300	110	80-120	
4-Bromofluorobenzene	0.0343	0.0300	114	80-120	

Lab Batch #: 747356 **Sample:** 323065-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0390	0.0300	130	80-120	*
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 747356 **Sample:** 323065-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0332	0.0300	111	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 747356 **Sample:** 323065-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	

Lab Batch #: 747356 **Sample:** 323065-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0334	0.0300	111	80-120	
4-Bromofluorobenzene	0 0521	0.0300	174	80-120	*

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065,

Project ID: 2008-275

Lab Batch #: 747356 **Sample:** 323065-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	80-120	

Lab Batch #: 747356 **Sample:** 323065-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0333	0.0300	111	80-120	

Lab Batch #: 747356 **Sample:** 323065-007 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 747356 **Sample:** 323065-007 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

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

Lab Batch #: 747356 **Sample:** 323065-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0422	0.0300	141	80-120	*
4-Bromofluorobenzene	0.0833	0.0300	278	80-120	*

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065, **Project ID:** 2008-275

Lab Batch #: 747356 **Sample:** 323065-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0423	0.0300	141	80-120	*
4-Bromofluorobenzene	0.2230	0.0300	743	80-120	*

Lab Batch #: 747356 **Sample:** 523469-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0282	0.0300	94	80-120	

Lab Batch #: 747356 **Sample:** 523469-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 747356 **Sample:** 523469-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 747358 **Sample:** 322999-004 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	53.3	50.0	107	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065,

Project ID: 2008-275

Lab Batch #: 747358 **Sample:** 322999-004 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	122	100	122	70-135	
o-Terphenyl	53.8	50.0	108	70-135	

Lab Batch #: 747358 **Sample:** 323065-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	57.2	50.0	114	70-135	

Lab Batch #: 747358 **Sample:** 323065-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	57.4	50.0	115	70-135	

Lab Batch #: 747358 **Sample:** 323065-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	54.3	50.0	109	70-135	

Lab Batch #: 747358 **Sample:** 323065-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	57.3	50.0	115	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065, **Project ID:** 2008-275

Lab Batch #: 747358 **Sample:** 323065-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	57.1	50.0	114	70-135	

Lab Batch #: 747358 **Sample:** 323065-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	57.7	50.0	115	70-135	

Lab Batch #: 747358 **Sample:** 323065-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 747358 **Sample:** 323065-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	55.1	50.0	110	70-135	

Lab Batch #: 747358 **Sample:** 323065-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	27.1	100	27	70-135	**
o-Terphenyl	11.0	50.0	22	70-135	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 323065,

Project ID: 2008-275

Lab Batch #: 747358 **Sample:** 523479-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	53.1	50.0	106	70-135	

Lab Batch #: 747358 **Sample:** 523479-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	57.6	50.0	115	70-135	

Lab Batch #: 747358 **Sample:** 523479-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	53.9	50.0	108	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order #: 323065 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 01/22/2009 **Date Analyzed:** 01/22/2009

Lab Batch ID: 747356 **Sample:** 523469-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0 1002	100	0.1	0 1035	104	3	70-130	35	
Toluene	ND	0.1000	0.0952	95	0 1	0.0983	98	3	70-130	35	
Ethylbenzene	ND	0.1000	0.0987	99	0.1	0.1039	104	5	71-129	35	
m,p-Xylenes	ND	0.2000	0.1947	97	0.2	0.2059	103	6	70-135	35	
o-Xylene	ND	0.1000	0.0946	95	0.1	0.0981	98	4	71-133	35	

Analyst: BHW **Date Prepared:** 01/22/2009 **Date Analyzed:** 01/22/2009

Lab Batch ID: 747358 **Sample:** 523479-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	1110	111	1000	1100	110	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	1080	108	1000	1080	108	0	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order # : 323065 **Project ID:** 2008-275

Lab Batch ID: 747356 **QC- Sample ID:** 323065-007 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/23/2009 **Date Prepared:** 01/22/2009 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1007	0.0827	82	0.1007	0.0875	87	6	70-130	35	
Toluene	0 0126	0.1007	0.1042	91	0.1007	0.1071	94	3	70-130	35	
Ethylbenzene	0.0069	0.1007	0.0805	73	0.1007	0.0809	73	0	71-129	35	
m,p-Xylenes	0.0218	0.2014	0.1711	74	0.2014	0.1807	79	7	70-135	35	
o-Xylene	0.0049	0.1007	0 0781	73	0.1007	0.0816	76	4	71-133	35	

Lab Batch ID: 747358 **QC- Sample ID:** 322999-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/22/2009 **Date Prepared:** 01/22/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1090	1190	109	1090	1190	109	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1090	1140	105	1090	1120	103	2	70-135	35	

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

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

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6"

Work Order #: 323065

Lab Batch #: 747304 **Project ID:** 2008-275

Date Analyzed: 01/22/2009 **Date Prepared:** 01/22/2009 **Analyst:** BEV

QC- Sample ID: 322999-005 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	9.59	8.90	7	20	

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone 432-563-1800
Fax 432-563-1713

Project Manager: Camille Bryant
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P. O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575)605-7210 Fax No: (505) 396-1429
Sampler Signature: C Bryant e-mail: cibryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6"
Project #: 2008-275
Project Loc: Lea County, NM
PO #: PAA - D Bryant
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 323065

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW - Drinking Water SL = Sludge	GW - Groundwater S = Soil/Solid	NP - non Potable Specify Other	Analyze For: TCLP 8015M	TPH 418.1	TPH TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	TOTAL: BTEX 8260	RCI	NORM	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	ESW@14.5'			1/21/2009	1330		1	X									SOIL	X										X					X
02	NESW@14.5'			1/21/2009	1340		1	X									SOIL	X										X					X
03	NWSW@14.5'			1/21/2009	1350		1	X									SOIL	X										X					X
04	SESW@14.5'			1/21/2009	1400		1	X									SOIL	X										X					X
05	SWSW@14.5'			1/21/2009	1410		1	X									SOIL	X										X					X
06	WSW@14.5'			1/21/2009	1420		1	X									SOIL	X										X					X
07	E FLOOR@15'			1/21/2009	1430		1	X									SOIL	X										X					X
08	W FLOOR@15'			1/21/2009	1440		1	X									SOIL	X										X					X
09	C FLOOR@15'			1/21/2009	1450		1	X									SOIL	X										X					X

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	1/22/09	0824			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Gracie Valdez	01/22/09	08 24

Laboratory Comments: 4 02 g C

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

Temperature Upon Receipt: 1.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin / Plains

Date/ Time: 01/22/09 @ 4:24

Lab ID #: 32306

Initials: JMA

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	1.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time _____

Regarding _____

Corrective Action Taken.

Check all that Apply.

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

Analytical Report 325004

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6-Inch

2008-275

20-FEB-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

20-FEB-09

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **325004**
DCP Plant to Lea Station 6-Inch
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 325004. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 325004 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 325004

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6-Inch

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Stockpile # 1	S	Feb-12-09 13:30		325004-001
Stockpile # 2	S	Feb-12-09 13:35		325004-002
Stockpile # 3	S	Feb-12-09 13:40		325004-003
Stockpile # 4	S	Feb-12-09 13:45		325004-004
Stockpile # 5	S	Feb-12-09 13:50		325004-005

Certificate of Analysis Summary 325004

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6-Inch

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Fri Feb-13-09 04:09 pm
Report Date: 20-FEB-09
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	325004-001		325004-002		325004-003		325004-004		325004-005	
	Field Id:	Stockpile # 1		Stockpile # 2		Stockpile # 3		Stockpile # 4		Stockpile # 5	
	Depth:										
	Matrix.	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-12-09 13 30		Feb-12-09 13 35		Feb-12-09 13 40		Feb-12-09 13 45		Feb-12-09 13 50	
BTEX by EPA 8021B	*Extracted:*	Feb-17-09 10 15		Feb-17-09 10 15		Feb-19-09 16 45		Feb-17-09 10 15		Feb-17-09 10 15	
	Analyzed:	Feb-18-09 08 18		Feb-18-09 08 39		Feb-20-09 02 02		Feb-18-09 09 20		Feb-18-09 09 40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0 0535	0 3828	0 0535	3 013	0 2837	ND	0 0534	ND	0 0538
Toluene		ND	0 1070	1 867	0 1071	18 01	0 5673	0 1841	0 1067	0 2910	0 1076
Ethylbenzene		0 9546	0 0535	2 779	0 0535	10 27	0 2837	1 255	0 0534	0 9154	0 0538
m,p-Xylenes		4 183	0 1070	10 72	0 1071	64 14	0 5673	6 117	0 1067	3 560	0 1076
o-Xylene		3 278	0 0535	7 116	0 0535	12 88	0 2837	3 042	0 0534	2 130	0 0538
Total Xylenes		7.461	0 0535	17 836	0 0535	77 02	0 2837	9 159	0 0534	5 69	0.0538
Total BTEX		8 4156	0 0535	22 8648	0 0535	108 313	0 2837	10 5981	0 0534	6 8964	0 0538
Percent Moisture	*Extracted:*										
	Analyzed:	Feb-13-09 17 00		Feb-13-09 17 00		Feb-13-09 17 00		Feb-13-09 17 00		Feb-13-09 17 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		6 56	1 00	6 62	1 00	11 87	1 00	6 32	1 00	7 04	1 00
TPH By SW8015 Mod	*Extracted:*	Feb-17-09 22 26		Feb-17-09 22 26		Feb-17-09 22 26		Feb-17-09 22 26		Feb-17-09 22 26	
	Analyzed:	Feb-18-09 18 52		Feb-18-09 19 15		Feb-18-09 19 38		Feb-18-09 20 01		Feb-18-09 20 24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		1380	161	1310	80 3	2720	85 1	1060	80 1	436	80 7
C12-C28 Diesel Range Hydrocarbons		645	161	593	80 3	576	85 1	518	80 1	245	80.7
C28-C35 Oil Range Hydrocarbons		ND	161	ND	80 3	ND	85 1	ND	80 1	ND	80 7
Total TPH		2025	161	1903	80 3	3296	85 1	1578	80 1	681	80 7

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Orders : 325004,

Project ID: 2008-275

Lab Batch #: 749952 **Sample:** 324701-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0 0300	94	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 749952 **Sample:** 324701-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0273	0.0300	91	80-120	

Lab Batch #: 749952 **Sample:** 325004-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0332	0 0300	111	80-120	
4-Bromofluorobenzene	0.1213	0.0300	404	80-120	**

Lab Batch #: 749952 **Sample:** 325004-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	80-120	
4-Bromofluorobenzene	0.1413	0.0300	471	80-120	**

Lab Batch #: 749952 **Sample:** 325004-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0352	0.0300	117	80-120	
4-Bromofluorobenzene	0.1259	0.0300	420	80-120	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Orders : 325004,

Project ID: 2008-275

Lab Batch #: 749952 **Sample:** 325004-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0357	0.0300	119	80-120	
4-Bromofluorobenzene	0.0918	0.0300	306	80-120	**

Lab Batch #: 749952 **Sample:** 524960-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

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

Lab Batch #: 749952 **Sample:** 524960-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0282	0.0300	94	80-120	

Lab Batch #: 749952 **Sample:** 524960-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

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

Lab Batch #: 750237 **Sample:** 325004-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0657	0 0300	219	80-120	**

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Orders : 325004, **Project ID:** 2008-275

Lab Batch #: 750237 **Sample:** 525080-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	80-120	
4-Bromofluorobenzene	0.0241	0.0300	80	80-120	

Lab Batch #: 750237 **Sample:** 525080-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0 0262	0.0300	87	80-120	

Lab Batch #: 750237 **Sample:** 525080-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0261	0.0300	87	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

Lab Batch #: 750044 **Sample:** 325004-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	53.0	50 0	106	70-135	

Lab Batch #: 750044 **Sample:** 325004-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	53.4	50.0	107	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Orders : 325004,

Project ID: 2008-275

Lab Batch #: 750044 **Sample:** 325004-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	51.4	50.0	103	70-135	

Lab Batch #: 750044 **Sample:** 325004-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 750044 **Sample:** 325004-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.2	100	96	70-135	
o-Terphenyl	47.1	50.0	94	70-135	

Lab Batch #: 750044 **Sample:** 325090-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	58 8	50.0	118	70-135	

Lab Batch #: 750044 **Sample:** 325090-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	58.6	50.0	117	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Orders : 325004,

Project ID: 2008-275

Lab Batch #: 750044 **Sample:** 524995-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	51.0	50.0	102	70-135	

Lab Batch #: 750044 **Sample:** 524995-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.5	100	99	70-135	
o-Terphenyl	47.3	50.0	95	70-135	

Lab Batch #: 750044 **Sample:** 524995-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	100	114	70-135	
o-Terphenyl	51.3	50.0	103	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Order #: 325004 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 02/17/2009 **Date Analyzed:** 02/18/2009

Lab Batch ID: 749952 **Sample:** 524960-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.1007	101	0.1	0.1078	108	7	70-130	35	
Toluene	ND	0.1000	0.0997	100	0.1	0.1076	108	8	70-130	35	
Ethylbenzene	ND	0.1000	0.0976	98	0.1	0.1055	106	8	71-129	35	
m,p-Xylenes	ND	0.2000	0.2020	101	0.2	0.2186	109	8	70-135	35	
o-Xylene	ND	0.1000	0.0997	100	0.1	0.1074	107	7	71-133	35	

Analyst: ASA **Date Prepared:** 02/19/2009 **Date Analyzed:** 02/20/2009

Lab Batch ID: 750237 **Sample:** 525080-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.1050	105	0.1	0.1043	104	1	70-130	35	
Toluene	ND	0.1000	0.1059	106	0.1	0.1051	105	1	70-130	35	
Ethylbenzene	0.0010	0.1000	0.1059	106	0.1	0.1048	105	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2198	110	0.2	0.2179	109	1	70-135	35	
o-Xylene	0.0010	0.1000	0.1081	108	0.1	0.1073	107	1	71-133	35	

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Order #: 325004
Analyst: BHW
Lab Batch ID: 750044
Sample: 524995-1-BKS
Units: mg/kg

Date Prepared: 02/17/2009
Batch #: 1

Project ID: 2008-275
Date Analyzed: 02/18/2009
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	963	96	1000	959	96	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	979	98	1000	976	98	0	70-135	35	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6-Inch

Work Order # : 325004 **Project ID:** 2008-275

Lab Batch ID: 749952 **QC- Sample ID:** 324701-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/18/2009 **Date Prepared:** 02/17/2009 **Analyst:** ASA

Reporting Units: mg/kg

BTEX by EPA 8021B	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Benzene	ND	0.1103	0.0881	80	0.1103	0.0871	79	1	70-130	35	
Toluene	ND	0 1103	0.0828	75	0.1103	0.0807	73	3	70-130	35	
Ethylbenzene	ND	0.1103	0.0714	65	0.1103	0.0696	63	3	71-129	35	X
m,p-Xylenes	ND	0.2206	0.1435	65	0.2206	0 1405	64	2	70-135	35	X
o-Xylene	ND	0.1103	0.0720	65	0.1103	0 0713	65	1	71-133	35	X

Lab Batch ID: 750044 **QC- Sample ID:** 325090-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/19/2009 **Date Prepared:** 02/17/2009 **Analyst:** BHW

Reporting Units: mg/kg

TPH By SW8015 Mod	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
C6-C12 Gasoline Range Hydrocarbons	ND	1150	1130	98	1150	1140	99	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1150	1160	101	1150	1160	101	0	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6-Inch

Work Order #: 325004

Lab Batch #: 749606 **Project ID:** 2008-275

Date Analyzed: 02/13/2009 **Date Prepared:** 02/13/2009 **Analyst:** BEV

QC- Sample ID: 325004-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.56	7.02	7	20	

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone 432-563-1800
Fax. 432-563-1713

Project Manager: Camille Bryant — PAGE 03 OF 03 — Project Name: DCP Plant to Lea Station 6-inch

Company Name: Basin Environmental Service Technologies, LLC — Project #: 2008-275

Company Address: 2800 Plains Hwy — Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 88260 — PO #: PAA - D Bryant

Telephone No: (575) 605-7210 — Fax No: (505) 396-1429 — Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Camille Bryant — e-mail: cjbryant@basin-consulting.com

(lab use only) ORDER #: 23504

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (VOA X 2)	H_2SO_4	NaOH	$Na_2S_2O_3$	None (PAH)	Other (Specify)	Matrix: Groundwater / Wastewater / Soil / Sludge / Other	Analyze For: TPH 418.1 / 8015M	TPH TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B / 5030 or BTEX 8260	RCI	N O R M	PAH	EPA Paint Filter Test	Chlorides E 300	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Stockpile #1			2/12/2009	1330		1	X								Soil	X								X							X
02	Stockpile #2			2/12/2009	1335		1	X								Soil	X								X							X
03	Stockpile #3			2/12/2009	1340		1	X								Soil	X								X							X
04	Stockpile #4			2/12/2009	1345		1	X								Soil	X								X							X
05	Stockpile #5			2/12/2009	1350		1	X								Soil	X								X							X

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
	2/13/09	1100			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Andrea Fain	2/13/09	16:07

Laboratory Comments:

Sample Containers Intact?		N
VOCs Free of Headspace?		N
Labels on container(s)		N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered by Sampler/Client Rep ?		N
by Courier? UPS DHL FedEx Lone Star		N
Temperature Upon Receipt	5.0	°C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client _____

Date/ Time _____

Lab ID # _____

Initials _____

Sample Receipt Checklist

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

Variance Documentation

Contact _____ Contacted by _____ Date/ Time. _____

Regarding _____

Corrective Action Taken:

Check all that Apply

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

Analytical Report 334309

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6 Inch

2008-275

04-JUN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX
Corpus Christi, TX T104704370-08-TX - Dallas, TX T104704295-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Miramar, FL E86349
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

04-JUN-09

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **334309**
DCP Plant to Lea Station 6 Inch
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 334309. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 334309 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 334309

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6 Inch

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Stockpile # 3 A	S	Jun-01-09 09:00		334309-001

CASE NARRATIVE

Client Name: PLAINS ALL AMERICAN EH&S
Project Name: DCP Plant to Lea Station 6 Inch

Project ID: 2008-275
Work Order Number: 334309

Report Date: 04-JUN-09
Date Received: 06/02/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-761042 BTEX-MTBE EPA 8021B
SW8021BM

Batch 761042, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 334309-001 D.
4-Bromofluorobenzene recovered below QC limits QC Data not confirmed by re-analysis.
Samples affected are: 531177-1-BLK.

Batch: LBA-761108 TPH by SW8015 Mod
None

Batch: LBA-761116 Percent Moisture
None

Certificate of Analysis Summary 334309

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6 Inch

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Tue Jun-02-09 04:20 pm
Report Date: 04-JUN-09
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	334309-001					
	Field Id:	Stockpile # 3 A					
	Depth:						
	Matrix	SOIL					
	Sampled:	Jun-01-09 09 00					
BTEX by EPA 8021B	*Extracted:*	Jun-03-09 10 00					
	Analyzed:	Jun-03-09 12 25					
	Units/RL:	mg/kg	RL				
Benzene		ND	0 0526				
Toluene		0 1604	0 1052				
Ethylbenzene		0 2298	0 0526				
m,p-Xylenes		1 108	0 1052				
o-Xylene		0 4427	0 0526				
Total Xylenes		1 5507	0 0526				
Total BTEX		1 9409	0 0526				
Percent Moisture	*Extracted:*						
	Analyzed:	Jun-04-09 08 37					
	Units/RL:	%	RL				
Percent Moisture		5 09	1 00				
TPH By SW8015 Mod	*Extracted:*	Jun-03-09 13 10					
	Analyzed:	Jun-03-09 15 43					
	Units/RL:	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		290	158				
C12-C28 Diesel Range Hydrocarbons		917	158				
C28-C35 Oil Range Hydrocarbons		257	158				
Total TPH		1464	158				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 334309,

Project ID: 2008-275

Lab Batch #: 761042 **Sample:** 531177-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 10:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 761042 **Sample:** 531177-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 11:13

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0265	0.0300	88	80-120	

Lab Batch #: 761042 **Sample:** 531177-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 11:55

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0179	0.0300	60	80-120	**

Lab Batch #: 761042 **Sample:** 334309-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 06/03/09 12:25

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0 0336	0.0300	112	80-120	

Lab Batch #: 761042 **Sample:** 334309-001 D / MD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 06/03/09 13:08

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0238	0.0300	79	80-120	**
4-Bromofluorobenzene	0.0339	0 0300	113	80-120	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Orders : 334309,

Project ID: 2008-275

Lab Batch #: 761108 **Sample:** 531196-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 14:33

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	47 5	50.0	95	70-135	

Lab Batch #: 761108 **Sample:** 531196-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 14:57

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	49 8	50.0	100	70-135	

Lab Batch #: 761108 **Sample:** 531196-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 06/03/09 15:20

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	52.2	50.0	104	70-135	

Lab Batch #: 761108 **Sample:** 334309-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 06/03/09 15:43

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.1	100	98	70-135	
o-Terphenyl	50.4	50.0	101	70-135	

Lab Batch #: 761108 **Sample:** 334309-001 D / MD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 06/03/09 16:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	54.7	50.0	109	70-135	

* Surrogate outside of Laboratory QC limits

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6 Inch

Work Order #: 334309 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 06/03/2009 **Date Analyzed:** 06/03/2009

Lab Batch ID: 761042 **Sample:** 531177-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Benzene	ND	0.1000	0.1092	109	0.1	0.1099	110	1	70-130	35	
Toluene	ND	0.1000	0.1050	105	0.1	0.1059	106	1	70-130	35	
Ethylbenzene	ND	0.1000	0.1091	109	0 1	0 1104	110	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2205	110	0 2	0.2228	111	1	70-135	35	
o-Xylene	ND	0.1000	0.1041	104	0.1	0.1051	105	1	71-133	35	

Analyst: BHW **Date Prepared:** 06/03/2009 **Date Analyzed:** 06/03/2009

Lab Batch ID: 761108 **Sample:** 531196-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

TPH By SW8015 Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
C6-C12 Gasoline Range Hydrocarbons	ND	1000	798	80	1000	792	79	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	972	97	1000	968	97	0	70-135	35	

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

Sample Duplicate Recovery

Project Name: DCP Plant to Lea Station 6 Inch

Work Order #: 334309

Lab Batch #: 761042 **Project ID:** 2008-275
Date Analyzed: 06/03/2009 **Date Prepared:** 06/03/2009 **Analyst:** ASA
QC- Sample ID: 334309-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

BTEX by EPA 8021B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Benzene	ND	ND	NC	35	
Toluene	0.1604	0.1677	4	35	
Ethylbenzene	0.2298	0.2355	2	35	
m,p-Xylenes	1.108	1.171	6	35	
o-Xylene	0.4427	0.4821	9	35	

Lab Batch #: 761116
Date Analyzed: 06/04/2009 **Date Prepared:** 06/04/2009 **Analyst:** BEV
QC- Sample ID: 334305-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

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

Lab Batch #: 761108
Date Analyzed: 06/03/2009 **Date Prepared:** 06/03/2009 **Analyst:** BHW
QC- Sample ID: 334309-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

TPH By SW8015 Mod	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	290	294	1	35	
C12-C28 Diesel Range Hydrocarbons	917	963	5	35	
C28-C35 Oil Range Hydrocarbons	257	273	6	35	

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Camille Bryant
Company Name: Basin Environmental Consulting, LLC
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575) 605-7210
Fax No: (505) 396-1429
Sampler Signature: Camille Bryant
e-mail: cibryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6 Inch
Project #: SRS# 2008-275
Project Loc: Lea County, NM
PO #: PAA- D. Bryant
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 334309

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW - Drinking Water GW - Groundwater NP - Non-Potable Specify Other	Analyze For: TCLP: TPH 418.1 / 8015B / 8015M	TPH TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: Ag Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 / BTEX 8260	RCI	NORM	Chloride E 300	TURN AROUND TIME: RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	Stockpile #3A			6/1/2009	900		1	X								S	X								X				X	X

Special Instructions:

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on Container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 3.0 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Camille Bryant	6/2/09	1300		6/2/09	1300
	6/2/09	1620			
	Date	Time	Received by ELOT:	Date	Time
				6/2/09	16:20

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin / Plains

Date/ Time: 6-2-09 16:20

Lab ID #: 334309

Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	Yes	No	6.0 °C	
#2 Shipping container in good condition?	Yes	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample Instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	Not Applicable	
#20 VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

Analytical Report 322295

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

DCP Plant to Lea Station 6"

2008-275

14-JAN-09

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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

14-JAN-09

Project Manager: **Daniel Bryant**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **322295**
DCP Plant to Lea Station 6"
Project Address: Lea County, NM

Daniel Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 322295. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 322295 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 322295

PLAINS ALL AMERICAN EH&S, Midland, TX

DCP Plant to Lea Station 6"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Prelim GW	W	Jan-09-09 12:35		322295-001

Certificate of Analysis Summary 322295

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: DCP Plant to Lea Station 6"

Project Id: 2008-275
Contact: Daniel Bryant
Project Location: Lea County, NM

Date Received in Lab: Tue Jan-13-09 10:36 am
Report Date: 14-JAN-09
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	322295-001					
	Field Id:	Prelim GW					
	Depth:						
	Matrix:	WATER					
	Sampled:	Jan-09-09 12:35					
BTEX by EPA 8021B	*Extracted:*	Jan-13-09 11:00					
	Analyzed:	Jan-13-09 13:39					
	Units/RL:	mg/L RL					
Benzene		ND 0.0010					
Toluene		ND 0.0020					
Ethylbenzene		ND 0.0010					
m,p-Xylenes		ND 0.0020					
o-Xylene		ND 0.0010					
Total Xylenes		ND 0.0010					
Total BTEX		ND 0.0010					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322295, **Project ID:** 2008-275

Lab Batch #: 746326 **Sample:** 322082-005 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0 0296	0.0300	99	80-120	

Lab Batch #: 746326 **Sample:** 322082-005 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0300	0 0300	100	80-120	

Lab Batch #: 746326 **Sample:** 322295-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0 0322	0.0300	107	80-120	
4-Bromofluorobenzene	0 0326	0.0300	109	80-120	

Lab Batch #: 746326 **Sample:** 522824-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

Lab Batch #: 746326 **Sample:** 522824-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Orders : 322295,

Project ID: 2008-275

Lab Batch #: 746326 **Sample:** 522824-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order #: 322295 **Project ID:** 2008-275

Analyst: ASA **Date Prepared:** 01/13/2009 **Date Analyzed:** 01/13/2009

Lab Batch ID: 746326 **Sample:** 522824-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0919	92	0.1	0.0874	87	5	70-125	25	
Toluene	ND	0.1000	0.0867	87	0.1	0.0825	83	5	70-125	25	
Ethylbenzene	ND	0.1000	0.0883	88	0.1	0.0848	85	4	71-129	25	
m,p-Xylenes	ND	0.2000	0.1734	87	0.2	0.1666	83	4	70-131	25	
o-Xylene	ND	0 1000	0 0843	84	0.1	0.0812	81	4	71-133	25	

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

Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6"

Work Order # : 322295 **Project ID:** 2008-275

Lab Batch ID: 746326 **QC- Sample ID:** 322082-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 01/13/2009 **Date Prepared:** 01/13/2009 **Analyst:** ASA

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0952	95	0 1000	0.0984	98	3	70-125	25	
Toluene	ND	0.1000	0.0935	94	0.1000	0.0962	96	2	70-125	25	
Ethylbenzene	ND	0.1000	0.0996	100	0.1000	0.1028	103	3	71-129	25	
m,p-Xylenes	ND	0.2000	0.1977	99	0.2000	0.2036	102	3	70-131	25	
o-Xylene	ND	0.1000	0.0960	96	0.1000	0.0989	99	3	71-133	25	

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

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

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Camille Bryant
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P. O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (575)605-7210 Fax No: (505) 396-1429
Sampler Signature: Curt Stanley e-mail: cjbryant@basin-consulting.com

Project Name: DCP Plant to Lea Station 6"
Project #: 2008-275
Project Loc: Lea County, NM
PO #: PAA - D. Bryant
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 322295

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW - Drinking Water SL - Sludge; GW - Groundwater S - Soil/Sol; NP - Non Potable Specify Other	Analyze For: TPH 418.1 / 8015M	TPH TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se (TCLP)	Volatiles (TCLP)	Semivolatiles (TCLP)	BTEX 8021B/5030 or BTEX 8260 (TOTAL)	RCI	NORM	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT 4 DAY
01	Prelim GW			9-Jan-09	1235		2	X		X						GW								X				X

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
Curt Stanley	1/13/09	0710		1-13-09	7:10
Relinquished by	Date	Time	Received by	Date	Time
	1/13/09	10:36			
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Andrea Lann	1.13.09	10 36

Laboratory Comments
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep ? Y N
by Courier? UPS DHL FedEx Lone Star
NOT FROZEN
Temperature Upon Receipt -2.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env. | Plains

Date/ Time: 1 13 09 10:36

Lab ID #: 322295

Initials: CL

Sample Receipt Checklist

				not frozen	Client Initials
#1	Temperature of container/ cooler?	Yes	No	-2.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken.

_____

_____

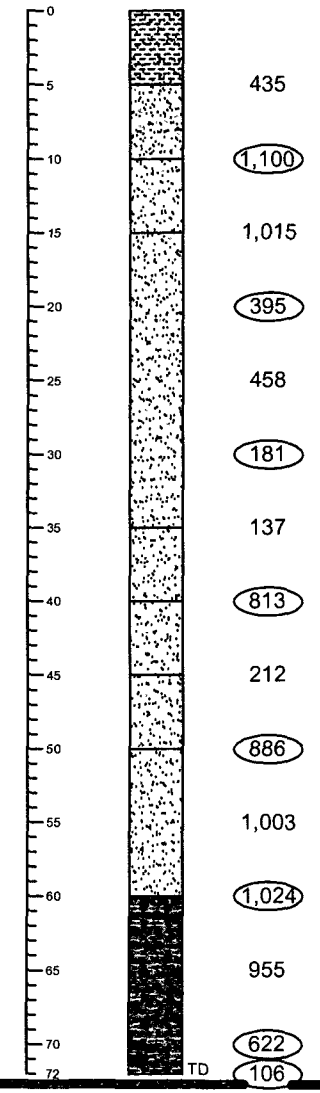
_____

Check all that Apply

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

Appendix B
Soil Boring Logs

Soil Boring SB-1



Soil Description

0 - 5' - Clay, medium brown, sandy, fine grained with caliche nodules

5 - 10' - Gravel, medium brown, well rounded, sandy

10' - 15' - Sand, light brown, well-rounded, fine grained with some gravel.

15 - 35' - Sand, light brown, very fine grained.

35 - 40' - Sand, light brown, very fine grained, damp

40 - 45' - Sand, light brown, very fine grained, with gravel, moist

45 - 50' - Sand, reddish brown, very fine grained with gravel, moist

50 - 60' - Sand, reddish brown, very fine grained with gravel, dry

60 - 70' - Clay, dark red with some caliche nodules

70 - 72' - Clay, dark red "Red Bed"

Soil Boring Details

Date Drilled: October 24, 2008
Thickness of Bentonite Seal: 72 Ft
Depth of Exploratory Boring: 72 Ft
Depth to Groundwater: N/A
Ground Water Elevation: N/A

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis

PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

1) The soil boring was advanced on date using air rotary drilling techniques

2) The lines between material types shown on the profile log represent approximate boundaries Actual transitions may be gradual

3) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-1
DCP Plant to Lea Station 6-Inch Lea County, New Mexico
Plains Marketing, L.P.

Basin Environmental Services

Prep By CDS	Checked By CDS
May 12, 2008	

Soil Boring SB-2

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0			None	None
5		26.1	None	None
10		(38.1)	None	None
15		37.1	None	None
20		(22.9)	None	None
25		25.7	None	None
30		(35.3)	None	None
35		23.9	None	None
40		(27.7)	None	None
45		28.9	None	None
50		(39.6)	None	None
55		47.9	None	None
60		(46.4)	None	None
65		26.8	None	None
	TD	36.9	None	None

Soil Description

0 - 5' - Clay, tan, sandy with caliche nodules

5 - 10' - Clay, tan-brown, sandy with caliche nodules

10 - 20' - Sand, light brown fine grained with caliche nodules, damp

20 - 25' - Sand, light brown, very fine grained with caliche nodules, dry

25' - 30 - Sand, light brown fine grained with caliche nodules, damp

30 - 40' - Sand, brown, fine grained, dry

40 - 50' - Sand, brown, very fine grained with gravel, damp

50 - 63' - Sand, reddish brown, with caliche nodules, damp

60 - 72' - Clay, dark red with some caliche nodules

Soil Boring Details

Date Drilled January 9, 2009
Thickness of Bentonite Seal 67 Ft
Depth of Exploratory Boring 67 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

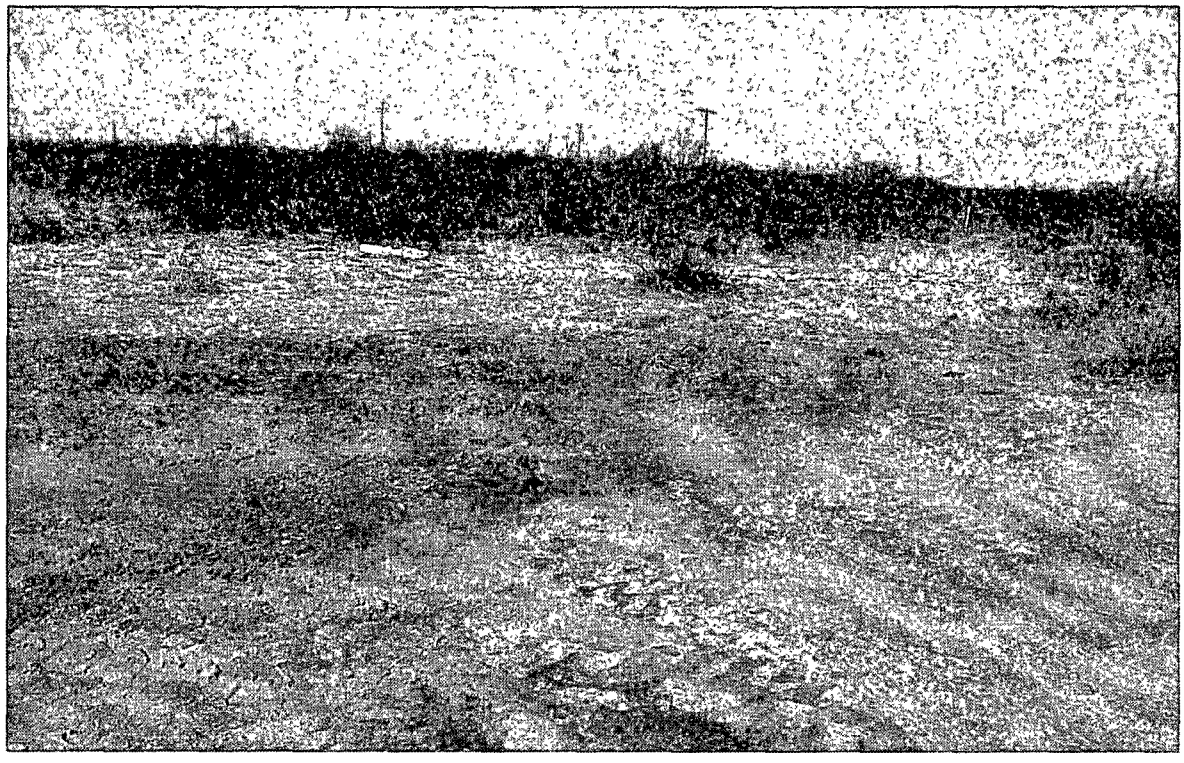
3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-2
DCP Plant to Lea Station 6-Inch Lea County, New Mexico
Plains Marketing, L.P.

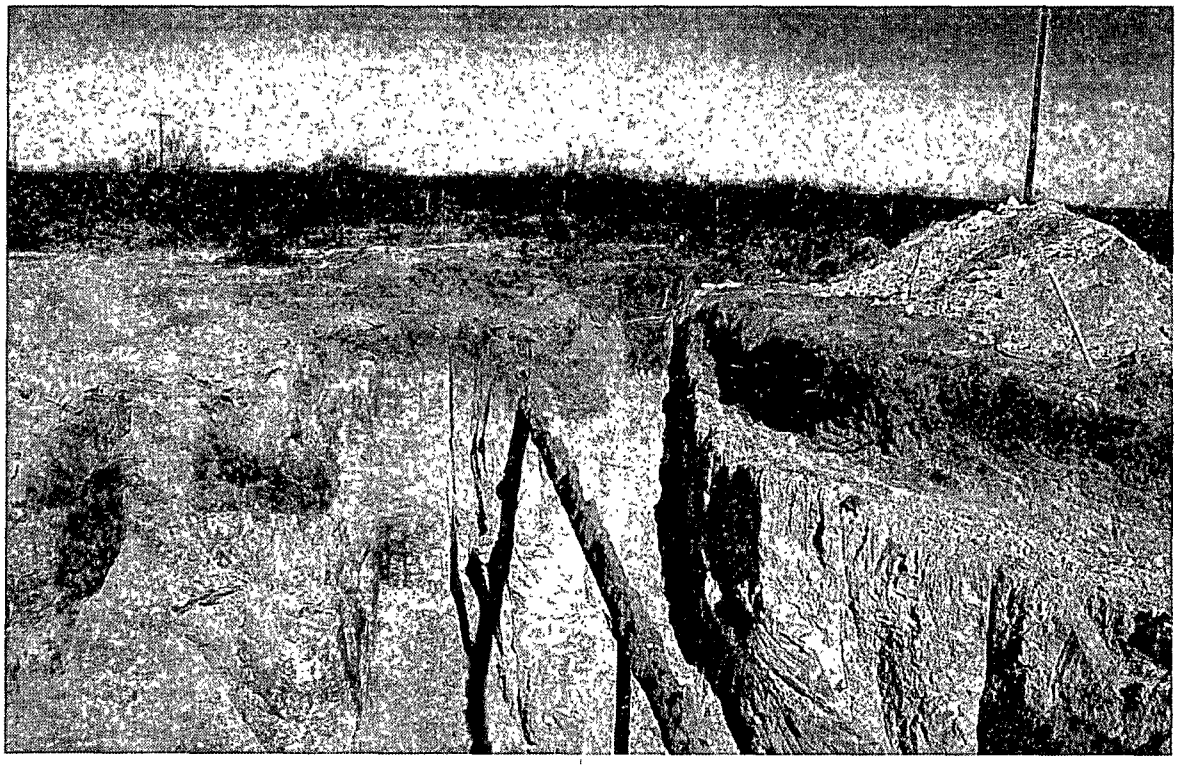
Basin Environmental Services

Prep By CDS	Checked By CDS
March 16, 2009	

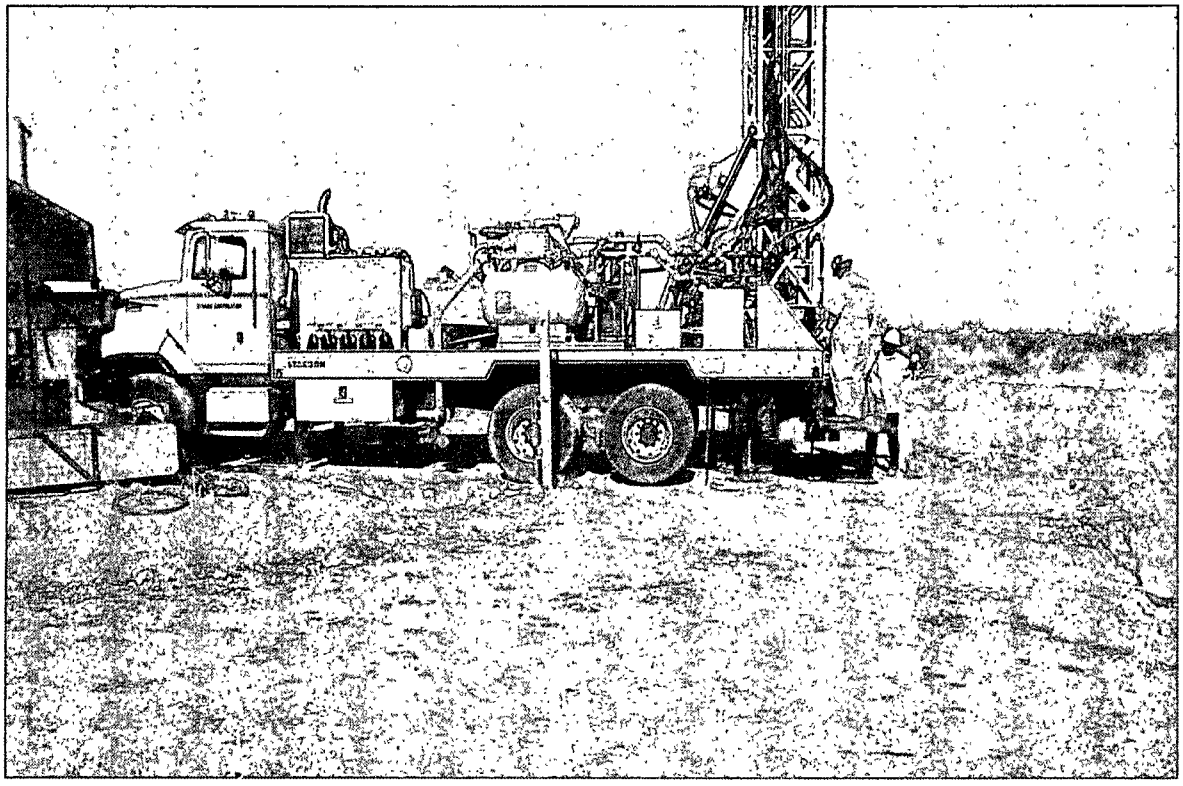
Appendix C
Photographs



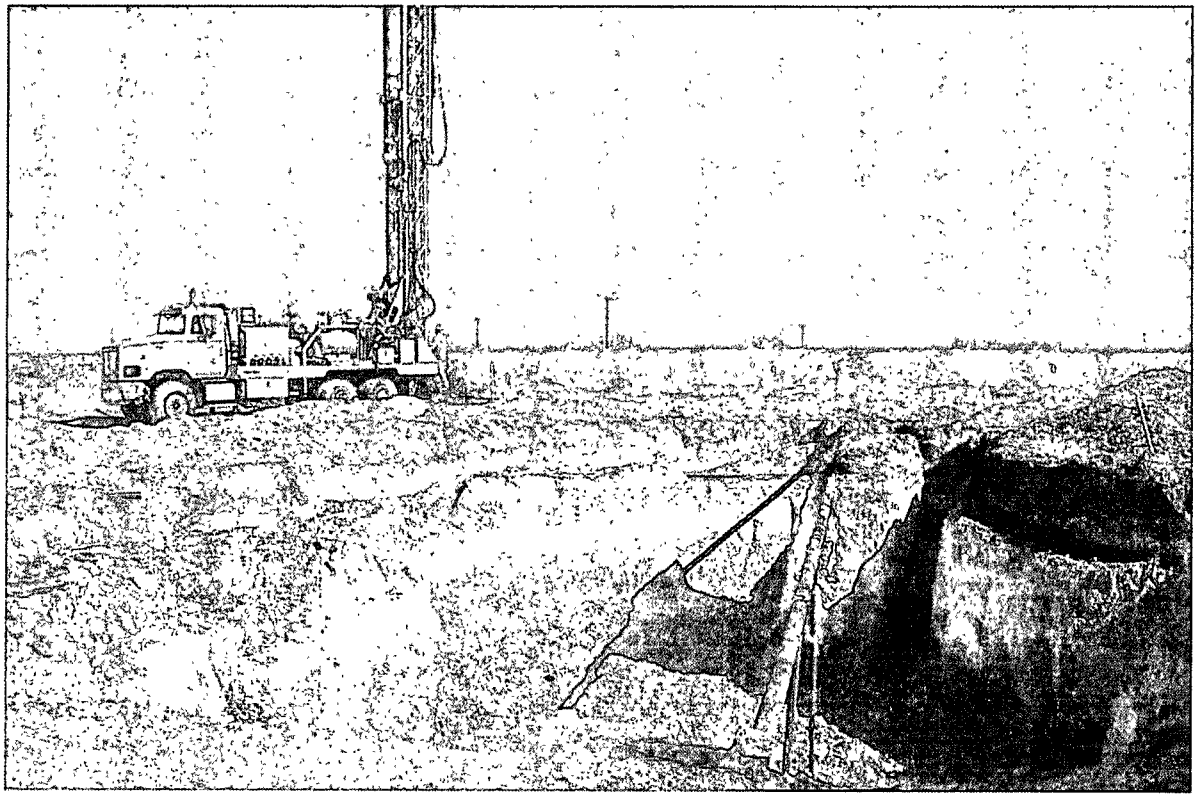
Initial Response at DCP Plant to Lea Station 6-Inch Release Site



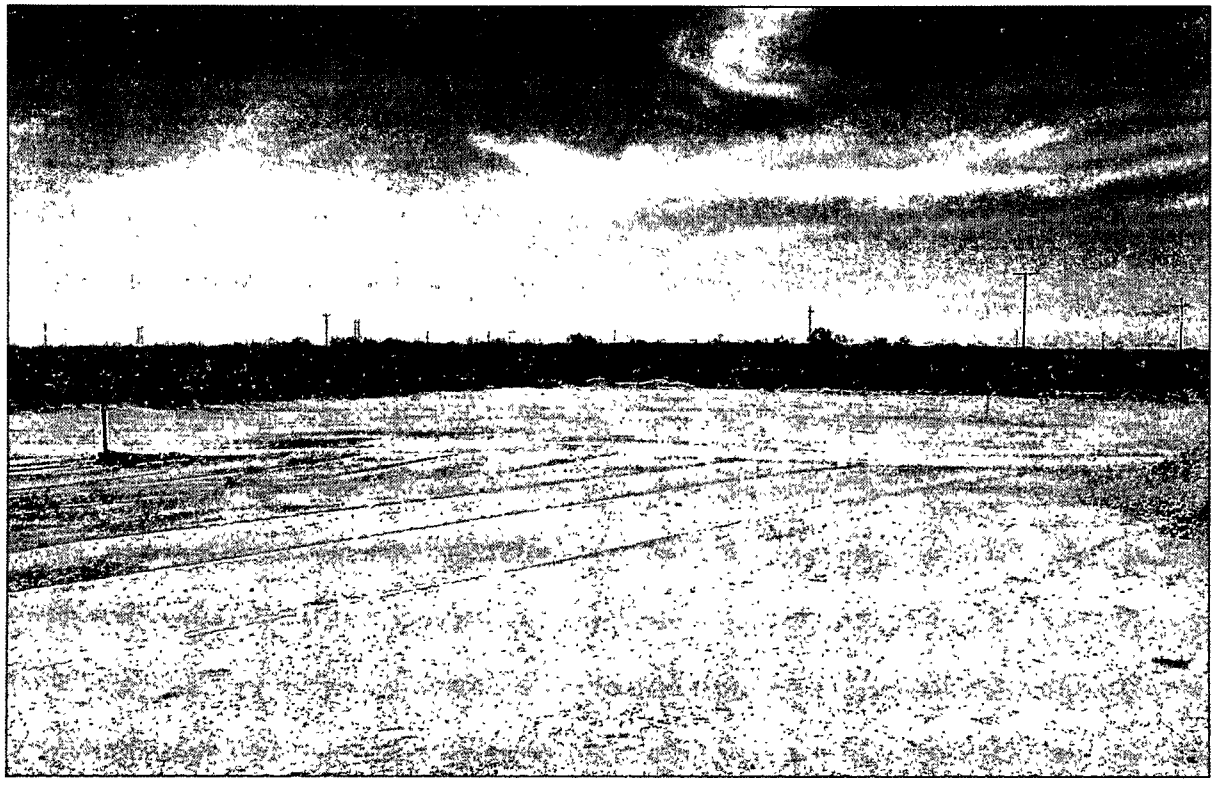
DCP Plant to Lea Station 6-Inch Release Site



DCP Plant to Lea Station 6-Inch Release Site Soil Boring SB-1



DCP Plant to Lea Station 6-Inch Release Site Soil Boring SB-2



DCP Plant to Lea Station 6-Inch Release Site Remediation Completed and Backfilled

DCP Plant to Lea Station 6-Inch Release Site Remediation Completed and Backfilled

Appendix D
Release Notification and Corrective Action (Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

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	Plains Pipeline, LP	Contact	Daniel Bryant
Address	P.O. Box 3119 – Midland, Tx 79702	Telephone No.	(432) 557-5865
Facility Name	DCP Plant to Lea Station 6"	Facility Type	Pipeline

Surface Owner	Mineral Owner	Lease No.
NM SLO		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	30	20S	37E					Lea

Latitude N 32.542461° **Longitude** W 103.288617°

WTR 100'

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 10 bbls	Volume Recovered: 0 bbls
Source of Release: 6" steel pipeline	Date and Hour of Occurrence: 10/8/2008	Date and Hour of Discovery: 10/8/2008 15:00
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Daniel Bryant	Date and Hour: 10/9/2008 08:20	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
OCT 16 2008
HOBBS OCD

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion of a 6" pipeline caused a release of crude oil. Clamp was installed on the pipeline to mitigate the release. Throughput on the line is 660 bbls per day. Operating pressure of the pipeline is 45 psi. Depth of the pipeline at the release location is approximately 3' bgs. H2S content of the crude is less than 10 ppm. The gravity of the crude is 65.

Describe Area Affected and Cleanup Action Taken.*

Impacted area measured an average of 30' X 95'. Area will be remediated per applicable guidelines.

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

Signature: Daniel Bryant	OIL CONSERVATION DIVISION
Printed Name: Daniel Bryant	Approved by District Supervisor: Johnson ENVIRONMENTAL ENGINEER
Title: Environmental R/C Specialist	Approval Date: 10.16.08 Expiration Date: 12.16.08
E-mail Address: dmbryant@paalp.com	Conditions of Approval: SUBMIT FINAL C141 W/ DOCUMENTATION BY Attached ☐
Date: 10/16/08 Phone: (432) 557-5865	IRP-1971

Attach Additional Sheets If Necessary

FGRL 0234051014