

DATA EVALUATION AND CLOSURE PROPOSAL

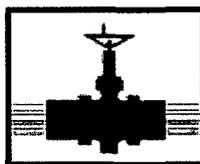
TRACT 5 – 4" GATHERING

Latitude 32° 27' 26.48" N; Longitude 103° 09' 32.99" W

Lea County, New Mexico

PLAINS SRS NO.: 2006-378
NMOCD 1RP# 1124

PREPARED FOR



PLAINS
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November 2007

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Distribution

DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

Executive Summary

On November 7, 2006, a release of approximately 10 barrels of crude oil occurred from a 4" steel pipeline at Tract 5 - 4" Gathering Site, SRS No. 2006-378 (Tract 5). Plains Pipeline, L.P. (Plains) currently owns the pipeline. The site is located in unit letter M, SW¼ of the SW¼, Section 22 Township 21S, Range 37E, or more specifically at latitude 32° 27' 26.48" N and longitude 103 ° 09' 32.99" W in Lea County, New Mexico (Figure 1, Appendix A). Mr. Daniel Bryant reported the release, apparently caused by internal corrosion, to the New Mexico Oil Conservation Division (NMOCD) on November 8, 2006 at about 4:30 a.m., according to the Initial C-141. The pipeline was repaired.

Based on the proximity of Tract 5 to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **20 points**.

Initial excavation activities commenced on November 20, 2006 and concluded on November 30, 2006. An excavation 60 feet long, 40 feet and 20 feet deep was completed to remove the majority of the affected soil. The extent of the excavation is limited by the presence of two water lines that run either side of the excavation and a high pressure gas line in close proximity of the southern perimeter of the excavation.

According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), crude oil impacted soils were removed down to a depth of 20-feet below ground surface (bgs) and taken to the Plains Lea Station Landfarm for treatment. EPI conducted organic vapor surveys of soil samples collected at 25 and 30-feet bgs from a sample trench located below the leak origin. The results indicated crude oil impact present to approximately 30-feet bgs. On December 7, 2006, EPI advanced a single soil boring in the bottom of the excavation below the leak origin to achieve vertical delineation of the crude oil affected soil. Five soil samples were collected from 22 feet bgs to 47 feet bgs. The analytical data illustrate the concentrations of the contaminants of concern in the samples taken from 27 to 47 feet were below regulatory guidelines.

On June 28, 2007 five soil samples were collected by Premier Environmental Services, Inc. (Premier) to determine the concentration of residual hydrocarbons in the side-walls of the excavation and in the base of the excavation. The walls and base of the excavation were screened with a photo-ionization detector and the samples with the highest registered organic vapor content were submitted for laboratory analysis. The analytical data for the soil sample taken from the base of the excavation and the soil sample from the south wall displayed TPH concentrations above cleanup goals. Therefore, on September 4, 2007, the southern face of the excavation was over-excavated while being screened with a field TPH analyzer to ensure removal of affected soil. A soil confirmation sample was collected from each of the two over-excavated areas and submitted for laboratory analyses. Analytical results indicated that TPH and BTEX concentrations were below the laboratory method reporting limit of 28 mg/Kg for TPH and below 0.002 mg/Kg for BTEX and benzene indicating that the residual contamination in the south wall has been removed.

The on-site soil stockpile consisting mainly of overburden and soil removed to create the slope in to excavation was sampled on September 13, 2007. The analytical data showed a maximum TPH concentration of 333.7 mg/kg from 4 samples. All BTEX concentrations were below the laboratory method reporting limit.

In summary, the previous investigation and excavation data show that the impacted media resides only in the bottom of the excavation from approximately 20 to 27 feet bgs. Plains proposes to conduct a risk-based closure at this site by placing an impermeable liner at the bottom of the excavation to isolate the impacted material and eliminate any potential vertical migration of COCs due to precipitation.

The stockpiled soil along with clean fill material will be utilized to backfill the excavation and 6 to 12 inches of top soil will be brought in to restore the impacted area. The area will then be reseeded with native grasses or a seed mixture designated by the land owner.

Based on the results of implementing the proposed planned activities, Premier, on behalf of Plains, will prepare a formal detailed report for approval by the NMOCD. The report will include the results of the field activities and more detailed risk-based information to demonstrate the site presents minimal potential risk for contaminants to migrate to groundwater.

A groundwater investigation has not been completed for this site. The results of the soil investigation indicate that hydrocarbon impact is not present in the soil boring between the depths of 27 feet bgs and 47 feet bgs and therefore has not penetrated the subsurface to a significant depth below the base of the excavation, and that groundwater is not likely to be impacted by this release.

1.0 Introduction and Site History

Premier Environmental Services, Inc. (Premier) has been retained by Plains Pipeline, L.P. (Plains) to review existing site data and prepare a Data Evaluation and Closure Proposal for the Tract 5 – 4" Gathering Sites (SRS No. 2006-0378).

The leak that occurred at the Texaco Tract 5 site (Tract 5) on November 7, 2006 (SRS No. 2006-0378) was apparently caused by internal corrosion. The site is located in unit letter M, SW¼ of the SW¼, Section 22 Township 21S, Range 37E, or more specifically at latitude 32° 27' 26.48" N and longitude 103° 09' 32.99" W in Lea County, New Mexico (Figure 1, Appendix A). Mr. Daniel Bryant reported the release to the New Mexico Oil Conservation Division (NMOCD) on November 8, 2006 at about 4:30 a.m. The Initial C-141 form identified remediation standards, and outlined an initial plan to remediate the site. A copy of the C-141 is found in Appendix E.

Initial excavation activities commenced on November 20, 2006 and concluded on November 30, 2006. An excavation 60 feet long, 40 feet and 20 feet deep was completed to remove the majority of the affected soil. The extent of the excavation is limited by the presence of two water lines that run either side of the excavation and a high pressure gas line in close proximity of the southern perimeter of the excavation.

According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), crude oil impacted soils down to a depth of 20-feet below ground surface (bgs) were removed and taken to the Plains Lea Station Landfarm for treatment. EPI conducted organic vapor surveys of soil samples collected at 25 and 30-feet bgs from a sample trench located below the leak origin the results of which indicated hydrocarbon impact present to approximately 30-feet bgs. On December 7, 2006, EPI advanced a single soil boring in the bottom of the excavation below the leak origin to achieve vertical delineation of the crude oil affected soil. Five soil samples were collected from 22 feet bgs to 47 feet bgs. The analytical data illustrate the concentrations of the contaminants of concern in the samples taken from 27 to 47 feet were below regulatory guidelines.

The purpose and objective of this report is to present a summary of the investigations completed, analytical data attained and the remedial approach to prevent migration of the residual concentrations of hydrocarbons, still present in the subsurface soil.

2.0 Environmental Characterization

2.1 Geological Description

In Lea County, the bedrock outcrops range from Triassic age strata rocks to Pleistocene age sediments. The Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

Base on the soil report for Lea County, the site is located on Pyote soil and dune lands (PY) with 0-3 percent slopes. The soil consists of well drained fine sand to fine sandy loam. The Site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

2.2 Land Use

Land use in the area is primarily livestock rangeland and oil field activities. Several gas compressor stations are located in the vicinity of the site and several major oil and gas transmission lines bisect the region. The area in the immediate vicinity of the site is sparsely populated.

2.3 Ground Water

The New Mexico Office of the State Engineer database lists three water wells in Section 22, T21S R37E (Appendix D). These private use water wells appear to be greater than 200 feet from the site and are listed in Section 36. There are no municipal water wells within 1000 feet of the site, and the average depth to groundwater is approximately 50 feet bgs.

2.4 Surface Water

There are no surface water bodies within 1000 feet of the site.

3.0 Regulatory Framework

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993) document. Primary contaminants, or COCs, associated with crude oil releases include total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX). Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on the three following parameters,

- Depth to groundwater
- Wellhead protection area
- Distance to surface water body

These parameters illustrate that focus of the guidelines is to protect groundwater and surface water resources.

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the site to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **20 points**, with the soil remedial goals highlighted below in the Site Ranking Matrix.

Table 1 - Site Ranking Matrix

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body	
If Depth to GW <50 feet: <i>20 points</i>	If <1000' from water source, or, <200' from private domestic water source: <i>20 points</i>	<200 horizontal feet: 20 points	
If Depth to GW 50 to 99 feet: <i>10 points</i>	If >1000' from water source, or, >200' from private domestic water source: <i>0 points</i>	200-100 horizontal feet: 10 points	
If Depth to GW >100 feet: <i>0 points</i>		>1000 horizontal feet: 0 points	
<i>Groundwater Score: 20</i>	<i>Wellhead Protection Area Score: 0</i>	<i>Surface Water Score: 0</i>	
Site Rank (1+2+3) =20+0+0=20			
Total Site Ranking Score and Initial Guidance Cleanup Concentrations			
Parameter	20 or >	10	0
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

The initial evaluation suggests that there is slight risk for migration to groundwater from COCs in soil, in concentrations that would exceed the NMOCD Standards. The average depth to groundwater is 50 feet bgs resulting in a groundwater ranking of 20.

4.0 Soil Investigation Results

Initial excavation activities commenced on November 20, 2006 and concluded on November 30, 2006. An excavation 60 feet long, 40 feet and 20 feet deep was completed to remove the majority of the affected soil. The extent of the excavation is limited by the presence of two water lines that run either side of the excavation and a high pressure gas line in close proximity of the southern perimeter of the excavation.

According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), crude oil impacted soils down to a depth of 20-feet below ground surface (bgs) were removed and taken to the Plains Lea Station Landfarm for treatment. Organic vapor surveys of soil samples collected at 25 and 30-feet bgs from a sample trench located below the leak origin indicate crude oil impact is present to approximately 30-feet bgs. To confirm field screening results from the trench excavation and to achieve vertical delineation of the

crude oil affected soil, on December 7, 2006, a single soil boring was advanced in the bottom of the excavation below the leak origin by EPI. Five soil samples were collected from 22 feet bgs to 47 feet bgs at five foot intervals. The analytical data illustrates the concentrations of the contaminants of concern were below regulatory guidelines from 27 to 47 feet. Soil samples collected in this interval (27 to 47 feet bgs or alternatively stated from 5 feet or greater below the base of the excavation) indicate TPH and BTEX concentrations were generally below the laboratory method detection limits of 5 mg/Kg for TPH and below 0.020 mg/Kg for BTEX and benzene. Analytical results are shown on Figure 3, Appendix A, and are summarized in Table 3, Appendix B.

Copies of the laboratory reports are presented in Appendix C. Impact to soil from the Tract 5 release was generally limited to less than 27 feet bgs, as inferred from the laboratory results. Soil samples collected from below 27 feet indicated TPH and BTEX concentrations were generally below the laboratory method detection limits of 28 mg/Kg for TPH and below 0.002 mg/Kg for BTEX and benzene. Analytical results are shown on Figure 3, Appendix A, and are summarized in Table 3, Appendix B.

On June 28, 2007, soil samples were collected by Premier Environmental Services, Inc. (Premier) to determine the concentration of residual hydrocarbons in the side-walls of the excavation and in the base of the excavation. The walls and base of the excavation were first screened using visual and olfactory senses and the samples with the highest staining and/or odor were submitted for laboratory analyses. The analytical data displayed TPH concentrations above NMOCD cleanup goals in the samples collected from the base of the excavation (sample BH-1) and the south wall (sample SW-1). The analytical results for these two samples are summarized in Table 3, Appendix B. The analytical data for soil sample BH-1 display concentrations of TPH via EPA method 8015 modified as 12,046 mg/Kg, benzene and BETX concentrations via EPA method 8021b as 4.862 mg/Kg and 84.912 mg/Kg respectively. The analytical data for soil sample SW-1 display concentrations of TPH via EPA method 8015 modified as 6,964 mg/Kg, benzene and BETX concentrations via EPA method 8021b as <0.0021 mg/Kg and 0.037 mg/Kg, respectively.

Therefore, on September 4, 2007, the southern face of the excavation was over-excavated and then screened with a field TPH analyzer to ensure removal of affected soil. A soil confirmation sample was collected from each of the two over-excavated areas and submitted for laboratory analyses. Analytical results indicated that TPH and BTEX concentrations were below the laboratory method reporting limit of 28 mg/Kg for TPH and below 0.002 mg/Kg for BTEX and benzene. These data coupled with the field screening of the south wall with the TPH analyzer indicate that the residual contamination in the south wall has been removed.

The on-site soil stockpile consisting mainly of overburden and soil removed to create the slope in to excavation was sampled on September 13, 2007. Four soil samples were taken and submitted for laboratory analysis. The analytical data showed a maximum TPH concentration via EPA method 8015 modified of 333.7 mg/Kg in soil sample SP-1. Analytical data for soil sample SP-2 displayed a TPH concentration of 56.2 mg/Kg via

EPA method 8015 modified. Soil samples SP-3 and SP-4 TPH concentrations and all sample BTEX concentrations were below the laboratory method reporting limits.

5.0 Remediation Activities Completed

Initial excavation activities commenced on November 20, 2006 and concluded on November 30, 2006. An excavation 60 feet long, 40 feet and 20 feet deep was completed to remove the majority of the affected soil. The extent of the excavation is limited by the presence of two water lines that run either side of the excavation and a high pressure gas line in close proximity of the southern perimeter of the excavation.

After side wall confirmation samples were collected and analyzed, the data showed a southern section of the side wall contained TPH concentrations above the NMOCD cleanup goal of 100 mg/kg. Therefore, on September 4, 2007, the southern face of the excavation was over-excavated and screened with a field TPH analyzer to ensure removal of affected soil. Two soil confirmation samples were collected and submitted for laboratory analyses. Analytical results indicated that TPH and BTEX concentrations were below the laboratory method reporting limit of 28 mg/Kg for TPH and below 0.002 mg/Kg for BTEX and benzene indicating that the residual contamination in the south wall has been removed.

Excavation to address the release was completed by September 4, 2007 to a depth of approximately 20 feet bgs. Samples collected from the bottom of the excavation and from the soil boring show exceedances of the 100 mg/Kg TPH guideline concentrations discussed in Section 7.0, from approximately 20 to 27 feet bgs. To address the residual contamination within these seven feet of soil, Premier presents the remedial approach.

6.0 Groundwater Investigation

A groundwater investigation has not been completed for this site. The results of the soil investigation indicate that vertical migration of crude oil did not penetrate the subsurface to a significant depth below the base of the excavation, and that groundwater is not likely to be threatened by this release.

7.0 Remedial Approach – Closure Proposal

In Summary, the previous investigation and excavation data show that the impacted soil media resides only in the bottom of the excavation from approximately 20 to 27 feet bgs. Plains proposed to conduct a risk-based closure at this site by placing an impermeable liner at the bottom of the excavation to isolate the affected material and eliminate any potential vertical migration of COCs due to precipitation.

The base of the excavation will be rendered free of sharp objects and covered with a few inches of sand. A 20-mil, high-density polyurethane impermeable liner will be placed at the base of the excavation. If possible, the liner will be placed as a single continuous barrier which may require some sealing (or welding). Additional clean fill sand will be placed over the liner to prevent damage to the liner prior to backfilling the excavation with

the onsite stockpiled overburden removed during the formation of the ramp into the excavation. The base of the excavation will be graded with a high central area to create a drainage gradient. This will allow water that infiltrates from the surface to flow off the liner, away from residual hydrocarbons.

The stockpiled soil will be utilized to backfill the excavation and 6 to 12 inches of top soil will be brought in to restore the impacted area. The area will then be reseeded with native grasses or a seed mixture designated by the owner.

Based on the results of implementing the proposed planned activities, Premier, on behalf of Plains, will prepare a formal detailed report for approval by the NMOCD. The report will include the results of the field activities and more detailed risk-based information to demonstrate the site presents minimal potential risk for contaminants to migrate to groundwater.

A groundwater investigation has not been completed for this site. The results of the soil investigation indicate that hydrocarbons, at concentrations above the site cleanup standard, are not present in the soil between the depths of 27 feet bgs and 47 feet bgs, and therefore, have not penetrated the subsurface to a significant depth below the excavation.

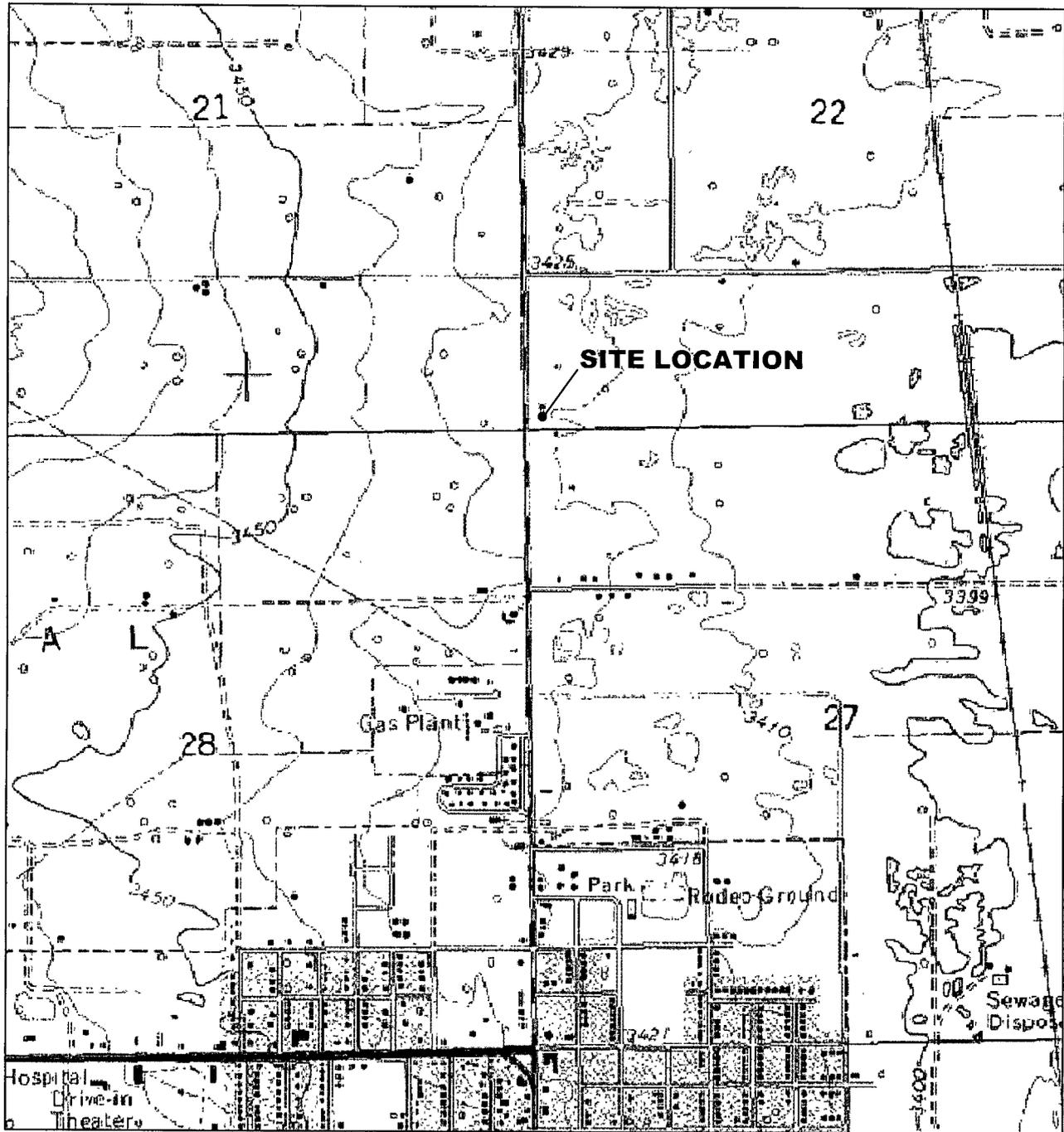
The remedial activities proposed at the Site, including liner placement, backfilling and site grading that are described in this report, will demonstrate to the NMOCD that regulatory remediation standards will be met. Premier recommends that Plains submit this report to NMOCD for final regulatory approval to implement this closure proposal at this Site. Upon completion of field activities Premier will prepare a final report for submittal by Plains to NMOCD and request a "No Further Action required for remediation" letter from NMOCD.

Appendix A Figures

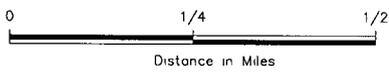
Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3 – Map of Soil Samples with COC Concentrations in Soil



Eunice Quadrangle
 32°27'26.48" N, 103°09'32.99" W



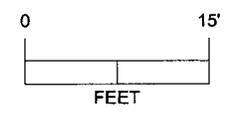
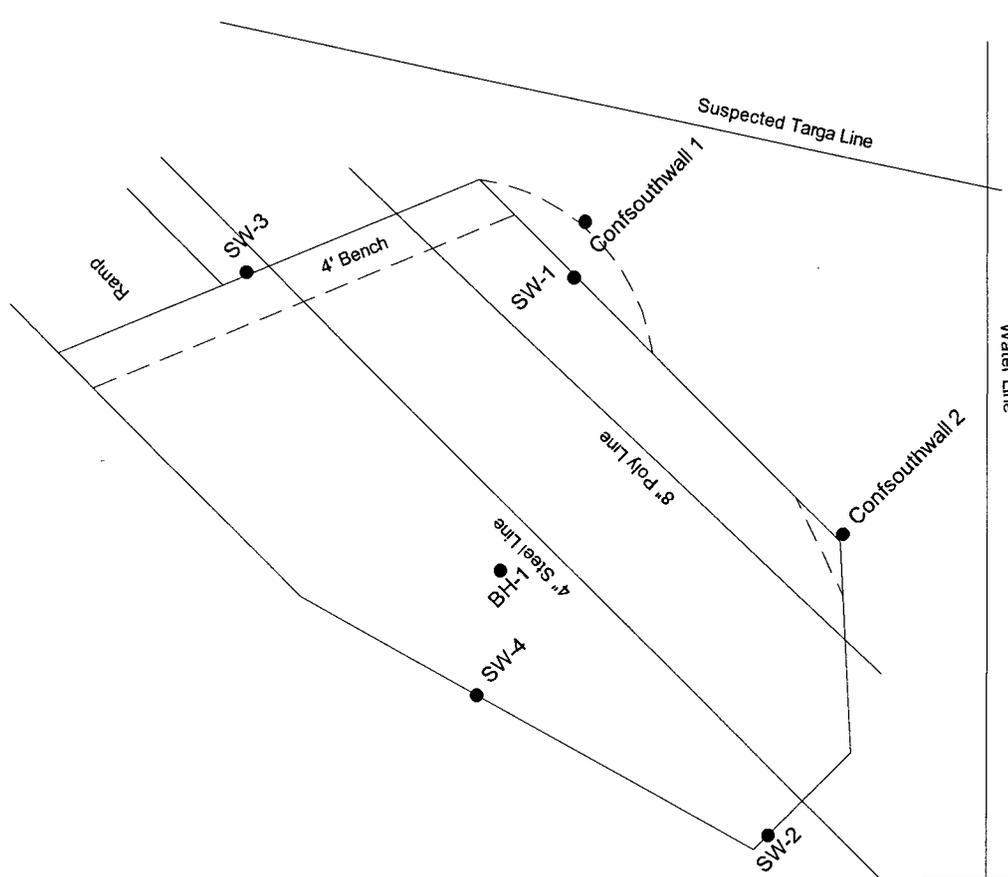
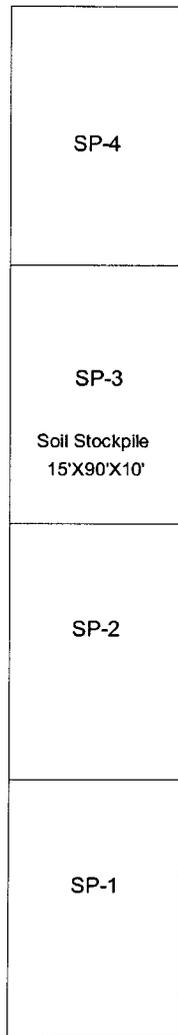


PREMIER
 ENVIRONMENTAL SERVICES, INC.

Figure 1
 Site Location Map
 Tract 5 4" Gathering
 Plains Marketing, L.P.
 SRS#: 2006-378

PROJ. NO: 207167.00	CK:	DATE: 10/07
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Highway 207

LEGEND:
 ● SW1 -CONFIRMATION SAMPLE LOCATION



Figure 2
 Soil Sample Locations
 Tract 5 4" Gathering
 Plains Marketing, L.P.
 SRS#: 2006-378

PROJ. NO: 207167.00 CK: DATE: 8/07

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SW-3	6/28/2007	11.5	60.8	<0.0022	<0.0044

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SW-1	8/28/2007	10.5	6964	<0.0021	0.037

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SP-4	9/13/2007	NA	<27.1	<0.0011	<0.0011

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SP-3	9/13/2007	NA	<27.9	<0.0011	<0.0011

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
BH-1	8/28/2007	14	12046	4.862	84.912

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SP-2	9/13/2007	NA	56.2	<0.0012	<0.0012

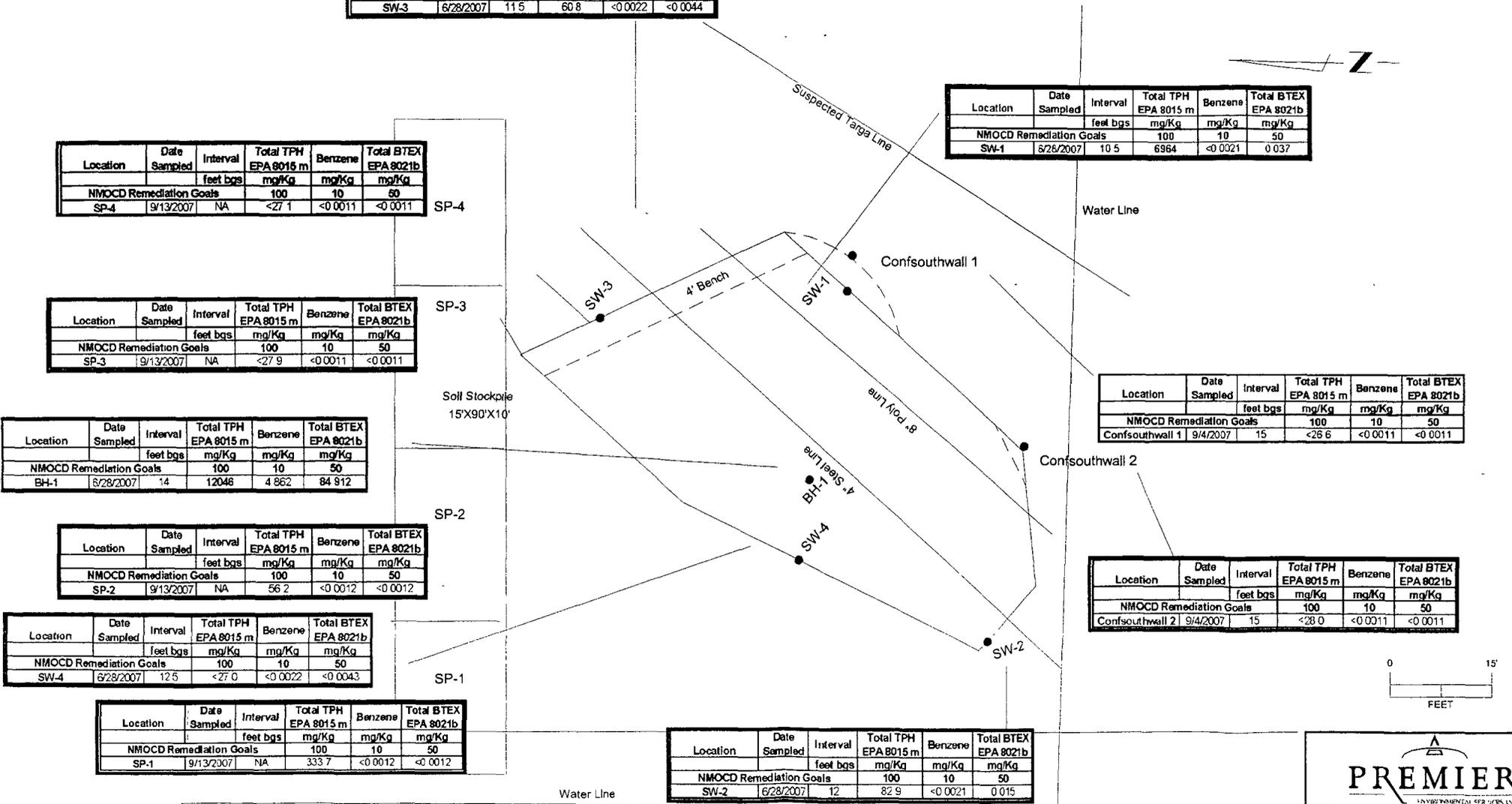
Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SW-4	8/28/2007	12.5	<27.0	<0.0022	<0.0043

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SP-1	9/13/2007	NA	333.7	<0.0012	<0.0012

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
SW-2	6/28/2007	12	82.9	<0.0021	0.015

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
Confsoilwall 1	9/4/2007	15	<26.6	<0.0011	<0.0011

Location	Date Sampled	Interval	Total TPH EPA 8015 m	Benzene	Total BTEX EPA 8021b
		feet bgs	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals			100	10	50
Confsoilwall 2	9/4/2007	15	<28.0	<0.0011	<0.0011



LEGEND

● SW1 -CONFIRMATION SAMPLE LOCATION



Figure 3
Soil Analytical Results
Tract 5 4" Gathering
Plains Marketing, L.P
SRS#: 2006-378

Appendix B Tables

Table 1 – Site Ranking Matrix (in text)

**Table 2 –Soil Sample Analytical Results
Investigation Boring Soil Sample Analytical Results - December 7, 2006**

**Table 3 – Soil Sample Analytical Results
Side Wall Soil Sample Analytical Results - June 28, 2007
Stockpile Soil Sample Analytical Results - September 13, 2007
Confirmation Soil Sample Analytical Results - September 4, 2007**

Table 2
 Soil Sample Analytical Results
 Plains Marketing, L.P.
 Plains SRS No. 2006-378
 Tract 5 - 4 Inch Gathering
 Lea County, New Mexico

Location	Date Sampled	Interval feet bgs	Laboratory Sample ID	GRO (C6 C10)	DRO (C10-C28)	ORO (C28-C35)	Total TPH EPA 8015 m	Benzene	Toluene	Ethylbenzene	Total Xylene	Total BTEX EPA 8021b
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMOCD Remediation Goals							100	10				50
T54G12706BH1-22'	12/7/2006	22	6L11012-01	88.7	166	3.95 J	255	<0.0250	0.0113 J	0.0442	0.1947	0.239
T54G12706BH1-27'	12/7/2006	27	6L11012-02	42	48.2	<10.0	90.1	<0.0250	<0.0250	<0.0250	<0.0250	0.000
T54G12706BH1-32'	12/7/2006	32	6L11012-03	<10.0	<10.0	<10.0	<10.0	<0.0250	<0.0250	<0.0250	<0.0250	0.000
T54G12706BH1-37'	12/7/2006	37	6L11012-04	<10.0	<10.0	<10.0	<10.0	<0.0250	<0.0250	<0.0250	<0.0250	0.000
T54G12706BH1-47'	12/7/2006	47	6L11012-05	<10.0	<10.0	<10.0	<10.0	0.0114 J	0.0253	0.0198	0.074 J	0.119

BGS - Below Ground Surface

Concentrations in bold exceed NMOCD Remediation Goals

J = indicates an estimated value

Samples collected by EPI from a trench cut in the floor of the excavation

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

ORO - Oil Range Organics

Table 3
 Soil Sample Analytical Results
 Plains Marketing, L.P.
 Plains SRS No. 2006-378
 Tract 5 - 4 Inch Gathering
 Lea County, New Mexico

Location	Date Sampled	Interval feet bgs	Laboratory Sample ID	GRO (C6-C10)	DRO (C10-C28)	ORO (C28-C35)	Total TPH EPA 8015 m	Benzene	Toluene	Ethylbenzene	Total Xylene	Total BTEX EPA 8021b
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Remediation Goals							100	10				50
BH-1	6/28/2007	14	285136-001	3120	7950	976	12046	4 862	20 860	12.99	46 2	84.912
SW-1	6/28/2007	10 5	285136-002	882	5640	442	6964	<0.0021	0 0057	0.0048	0 0269	0 037
SW-2	6/28/2007	12	285136-003	<26.2	82.9	<26 2	82 9	<0 0021	0 003	0 0037	0.0089	0.015
SW-3	6/28/2007	11.5	285136-004	<27 2	60 8	<27 2	60 8	<0.0022	<0 0022	<0 0022	<0.0044	0.000
SW-4	6/28/2007	12 5	285136-005	<27 0	<27 0	<27 0	ND	<0.0022	<0.0022	<0 0022	<0 0043	0.000
SP-1	9/13/2007	NA	289570-001	31 6	264	38 1	333.7	<0 0012	<0 0012	<0 0012	<0 0012	0 000
SP-2	9/13/2007	NA	289570-002	<29.8	56 2	<29 8	56.2	<0.0012	<0 0012	<0.0012	<0 0012	0.000
SP-3	9/13/2007	NA	289570-003	<27 9	<27 9	<27 9	ND	<0 0011	<0 0011	<0 0011	<0 0011	0.000
SP-4	9/13/2007	NA	289570-004	<27 1	<27 1	<27 1	ND	<0.0011	<0 0011	<0 0011	<0 0011	0.000
Confswallow 1	9/4/2007	15	288933-001	<26.6	<26.6	<26.6	ND	<0 0011	<0 0011	<0 0011	<0 0011	0 000
Confswallow 2	9/4/2007	15	288933-002	<28 0	<28 0	<28 0	ND	<0 0011	<0 0011	<0 0011	<0.0011	0 000

SW - Side Wall
 SP - Stock Pile

NA - Not applicable
 BH - Bottom hole

BGS - Below Ground Surface
 Concentrations in bold exceed NMOCD Remediation Goals
 J = indicates an estimated value

GRO - Gasoline Range Organics
 DRO - Diesel Range Organics
 ORO - Oil Range Organics

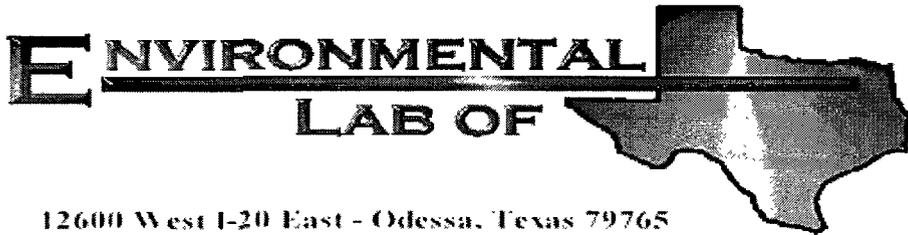
Appendix C Analytical Reports

Report 6L11012

Report 285136

Report 289570

Report 288933



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Tract 5 4" Gathering

Project Number: 2006-378

Location: UL-M, Sec. 22, T21S, R37E

Lab Order Number: 6L11012

Report Date: 12/20/06

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Tract 5 4" Gathering
Project Number 2006-378
Project Manager Camille Reynolds

Fax (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T54G12706BH1- 22'	6L11012-01	Soil	12/07/06 08 05	12-11-2006 11 20
T54G12706BH1- 27'	6L11012-02	Soil	12/07/06 08 45	12-11-2006 11 20
T54G12706BH1- 32'	6L11012-03	Soil	12/07/06 09 50	12-11-2006 11 20
T54G12706BH1- 37'	6L11012-04	Soil	12/07/06 10 30	12-11-2006 11 20
T54G12706BH1- 47'	6L11012-05	Soil	12/07/06 14 00	12-11-2006 11 20

Plains All American EH & S
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 Midland TX, 79706-4476

Project Tract 5 4" Gathering
 Project Number 2006-378
 Project Manager Camille Reynolds

Fax (432) 687-4914

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T54G12706BH1- 22' (6L11012-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL61903	12/19/06	12/20/06	EPA 8021B	
Toluene	J [0.0113]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0442	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.134	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0607	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	88.7	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	
Carbon Ranges C12-C28	166	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	J [3.95]	10.0	"	"	"	"	"	"	J
Total Hydrocarbons	255	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		104 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-130		"	"	"	"	
T54G12706BH1- 27' (6L11012-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL61903	12/19/06	12/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	42.0	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	
Carbon Ranges C12-C28	48.2	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	90.1	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.8 %	70-130		"	"	"	"	
T54G12706BH1- 32' (6L11012-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL61903	12/19/06	12/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		110 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Tract 5 4" Gathering
 Project Number 2006-378
 Project Manager Camille Reynolds

Fax (432) 687-4914

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T54G12706BH1- 32' (6L11012-03) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		94.0 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		99.2 %	70-130		"	"	"	"	
T54G12706BH1- 37' (6L11012-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EL61903	12/19/06	12/19/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		94.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		101 %	70-130		"	"	"	"	
T54G12706BH1- 47' (6L11012-05) Soil									
Benzene	J [0.0114]	0.0250	mg/kg dry	25	EL61903	12/19/06	12/20/06	EPA 8021B	J
Toluene	0.0253	0.0250	"	"	"	"	"	"	
Ethylbenzene	J [0.0198]	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	0.0570	0.0250	"	"	"	"	"	"	
Xylene (o)	J [0.0172]	0.0250	"	"	"	"	"	"	J
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.5 %	80-120		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EL61108	12/11/06	12/11/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		86.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		91.0 %	70-130		"	"	"	"	

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Project Tract 5 4" Gathering
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Project Manager Camille Reynolds

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T54G12706BH1- 22' (6L11012-01) Soil									
% Moisture	4.1	0.1	%	1	EL61201	12/11/06	12/12/06	% calculation	
T54G12706BH1- 27' (6L11012-02) Soil									
% Moisture	1.0	0.1	%	1	EL61201	12/11/06	12/12/06	% calculation	
T54G12706BH1- 32' (6L11012-03) Soil									
% Moisture	1.8	0.1	%	1	EL61201	12/11/06	12/12/06	% calculation	
T54G12706BH1- 37' (6L11012-04) Soil									
% Moisture	1.7	0.1	%	1	EL61201	12/11/06	12/12/06	% calculation	
T54G12706BH1- 47' (6L11012-05) Soil									
% Moisture	15.9	0.1	%	1	EL61201	12/11/06	12/12/06	% calculation	

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Project Tract 5 4" Gathering
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 Project Manager: Camille Reynolds

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL61108 - Solvent Extraction (GC)

Blank (EL61108-BLK1)

Prepared & Analyzed 12/11/06

Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate 1-Chlorooctane	46.6		mg/kg	50.0		93.2	70-130			
Surrogate 1-Chlorooctadecane	49.4		"	50.0		98.8	70-130			

LCS (EL61108-BS1)

Prepared & Analyzed 12/11/06

Carbon Ranges C6-C12	576	10.0	mg/kg wet	500		115	75-125			
Carbon Ranges C12-C28	498	10.0	"	500		99.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1070	10.0	"	1000		107	75-125			
Surrogate 1-Chlorooctane	62.6		mg/kg	50.0		125	70-130			
Surrogate 1-Chlorooctadecane	65.0		"	50.0		130	70-130			

Calibration Check (EL61108-CCV1)

Prepared & Analyzed 12/11/06

Carbon Ranges C6-C12	200		mg/kg	250		80.0	80-120			
Carbon Ranges C12-C28	265		"	250		106	80-120			
Carbon Ranges C28-C35	0.00		"	0.00			80-120			
Total Hydrocarbons	465		"	500		93.0	80-120			
Surrogate 1-Chlorooctane	52.5		"	50.0		105	70-130			
Surrogate 1-Chlorooctadecane	52.6		"	50.0		105	70-130			

Matrix Spike (EL61108-MS1)

Source: 6L11012-03

Prepared & Analyzed 12/11/06

Carbon Ranges C6-C12	449	10.0	mg/kg dry	509	ND	88.2	75-125			
Carbon Ranges C12-C28	453	10.0	"	509	ND	89.0	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	901	10.0	"	1020	ND	88.3	75-125			
Surrogate 1-Chlorooctane	61.3		mg/kg	50.0		123	70-130			
Surrogate 1-Chlorooctadecane	60.4		"	50.0		121	70-130			

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Project Tract 5 4" Gathering
 Project Number 2006-378
 Project Manager Camille Reynolds

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL61108 - Solvent Extraction (GC)

Matrix Spike Dup (EL61108-MSD1)

Source: 6L11012-03 Prepared & Analyzed 12/11/06

Carbon Ranges C6-C12	455	10.0	mg/kg dry	509	ND	89.4	75-125	1.35	20	
Carbon Ranges C12-C28	452	10.0	"	509	ND	88.8	75-125	0.225	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	907	10.0	"	1020	ND	88.9	75-125	0.677	20	
Surrogate 1-Chlorooctane	61.2		mg/kg	50.0		122	70-130			
Surrogate 1-Chlorooctadecane	56.8		"	50.0		114	70-130			

Batch EL61903 - EPA 5030C (GC)

Blank (EL61903-BLK1)

Prepared & Analyzed 12/19/06

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate a,a,a-Trifluorotoluene	41.4		ug/kg	40.0		104	80-120			
Surrogate 4-Bromofluorobenzene	41.6		"	40.0		104	80-120			

LCS (EL61903-BS1)

Prepared & Analyzed 12/19/06

Benzene	1.41	0.0250	mg/kg wet	1.25		113	80-120			
Toluene	1.37	0.0250	"	1.25		110	80-120			
Ethylbenzene	1.31	0.0250	"	1.25		105	80-120			
Xylene (p/m)	2.50	0.0250	"	2.50		100	80-120			
Xylene (o)	1.18	0.0250	"	1.25		94.4	80-120			
Surrogate a,a,a-Trifluorotoluene	47.8		ug/kg	40.0		120	80-120			
Surrogate 4-Bromofluorobenzene	40.8		"	40.0		102	80-120			

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL61903 - EPA 5030C (GC)

Calibration Check (EL61903-CCV1)

				Prepared 12/19/06	Analyzed 12/20/06		
Benzene	47.0		ug/kg	50.0	94.0	80-120	
Toluene	47.2		"	50.0	94.4	80-120	
Ethylbenzene	48.8		"	50.0	97.6	80-120	
Xylene (p/m)	89.3		"	100	89.3	80-120	
Xylene (o)	44.6		"	50.0	89.2	80-120	
Surrogate a,a,a-Trifluorotoluene	37.7		"	40.0	94.2	80-120	
Surrogate 4-Bromofluorobenzene	34.7		"	40.0	86.8	80-120	

Matrix Spike (EL61903-MS1)

Source: 6L11012-05

				Prepared 12/19/06	Analyzed 12/20/06		
Benzene	1.54	0.0250	mg/kg dry	1.49	0.0114	103	80-120
Toluene	1.55	0.0250	"	1.49	0.0253	102	80-120
Ethylbenzene	1.60	0.0250	"	1.49	0.0198	106	80-120
Xylene (p/m)	3.00	0.0250	"	2.97	0.0570	99.1	80-120
Xylene (o)	1.44	0.0250	"	1.49	0.0172	95.5	80-120
Surrogate a,a,a-Trifluorotoluene	41.2		ug/kg	40.0		103	80-120
Surrogate 4-Bromofluorobenzene	42.8		"	40.0		107	80-120

Matrix Spike Dup (EL61903-MSD1)

Source: 6L11012-05

				Prepared 12/19/06	Analyzed 12/20/06				
Benzene	1.45	0.0250	mg/kg dry	1.49	0.0114	96.6	80-120	6.41	20
Toluene	1.44	0.0250	"	1.49	0.0253	94.9	80-120	7.21	20
Ethylbenzene	1.45	0.0250	"	1.49	0.0198	96.0	80-120	9.90	20
Xylene (p/m)	2.78	0.0250	"	2.97	0.0570	91.7	80-120	7.76	20
Xylene (o)	1.33	0.0250	"	1.49	0.0172	88.1	80-120	8.06	20
Surrogate a,a,a-Trifluorotoluene	42.0		ug/kg	40.0		105	80-120		
Surrogate 4-Bromofluorobenzene	41.0		"	40.0		102	80-120		

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Project Tract 5 4" Gathering
 Project Number 2006-378
 Project Manager Camille Reynolds

Fax: (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EL61201 - General Preparation (Prep)

Blank (EL61201-BLK1) Prepared 12/11/06 Analyzed 12/12/06

% Solids	100		%							
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Duplicate (EL61201-DUP1) Source: 6L11002-01 Prepared 12/11/06 Analyzed 12/12/06

% Solids	96.2		%		96.2			0.00	20	
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Plains All American EH & S
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Midland TX, 79706-4476

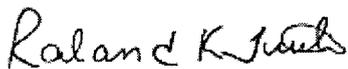
Project: Tract 5 4" Gathering
Project Number 2006-378
Project Manager: Camille Reynolds

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Notes and Definitions

J Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

12/20/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
 (505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

p 1 of 1

Chain of Custody Form

LAB:

ELT

Company Name		Environmental Plus, Inc.		Bill To				ANALYSIS REQUEST									
EPI Project Manager		Pat McCasland		 <p>Attn: ENV Accounts Payable PO Box 4648, Houston, TX 77210-4648</p>													
Mailing Address		P.O. BOX 1558															
City, State, Zip		Eunice New Mexico 88231															
EPI Phone#/Fax#		505-394-3481 / 505-394-2601															
Client Company		Plains Pipeline, L.P.															
Facility Name		Tract 5 4-inch Gathering															
Location		UL-M, Sec. 22, T21S, R37E															
Project Reference		2006-378															
EPI Sampler Name		George Blackburn															

LAB I.D.	SAMPLE I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	pH	TCLP	OTHER >>>	PAH
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE								
6L11012	1 T54G12706BH1-22'	G	1			X				X		07-Dec-06	8:05	X	X						
02	2 T54G12706BH1-27'	G	1			X				X		07-Dec-06	8:45	X	X						
03	3 T54G12706BH1-32'	G	1			X				X		07-Dec-06	9:50	X	X						
04	4 T54G12706BH1-37'	G	1			X				X		07-Dec-06	10:30	X	X						
05	5 T54G12706BH1-47'	G	1			X				X		07-Dec-06	2:00	X	X						
	6																				
	7																				
	8																				
	9																				
	10																				

Sampler Relinquished:		Date: 12-11-06	Time: 9:50	Received By: <i>Caron Boone</i>		E-mail results to: pmccasland@envplus.net	
Relinquished by: <i>Caron Boone</i>		Date: 12-11-06	Time: 11:20	Received By: (lab staff) <i>Caron Boone</i>		NOTES: CoC requested.	
Delivered by:		Sample Cool & Intact		Checked By:		<i>Lo</i> <i>w/cool jar</i> <i>4oz jar</i> <i>w/label</i>	
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client Plains
 Date/ Time 12/11/00 11:20
 Lab ID # 4611012
 Initials CK

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	

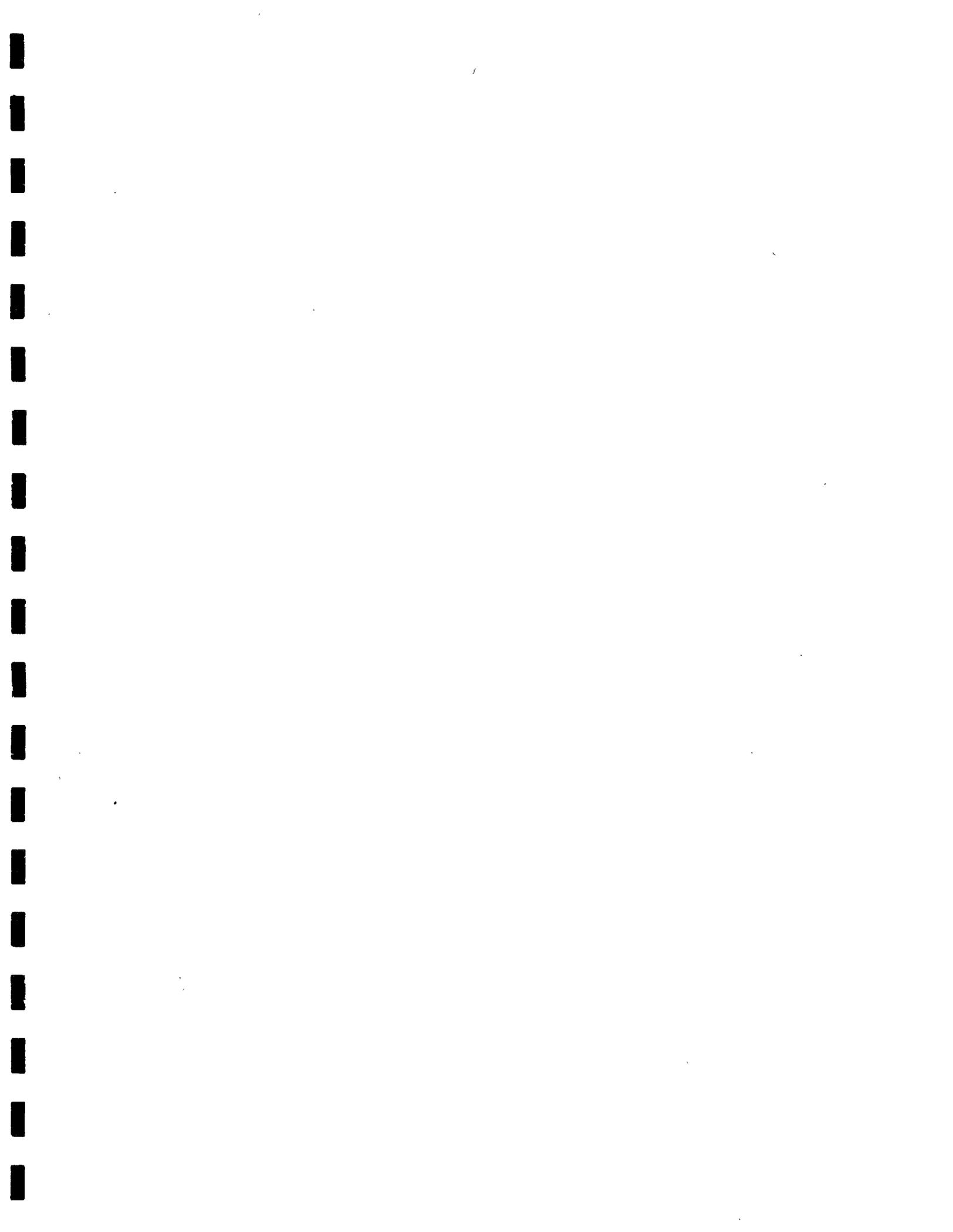
Variance Documentation

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 285136

for

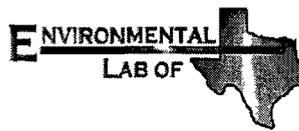
Premier Environmental

Project Manager: Chan Patel

Track 5

207167.00

05-JUL-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



05-JUL-07

Project Manager: **Chan Patel**
Premier Environmental
30 W Industrial Loop Ste. I
Midland, TX 79701

Reference: XENCO Report No: **285136**
Track 5
Project Address: Eunice, NM

Chan Patel:

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 285136. 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. 285136 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron

Odessa Laboratory Director

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Sample Cross Reference 285136



Premier Environmental, Midland, TX

Track 5

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-1	S	Jun-28-07 10:10		285136-001
SW-1	S	Jun-28-07 10:20		285136-002
SW-2	S	Jun-28-07 10:30		285136-003
SW-3	S	Jun-28-07 10:40		285136-004
SW-4	S	Jun-28-07 10:45		285136-005



Certificate of Analysis Summary 285136

Premier Environmental, Midland, TX

Project Name: Track 5



Project Id: 207167.00

Contact: Chan Patel

Project Location: Eunice, NM

Date Received in Lab: Thu Jun-28-07 02:09 pm

Report Date: 05-JUL-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	285136-001	285136-002	285136-003	285136-004	285136-005	
	Field Id:	BH-1	SW-1	SW-2	SW-3	SW-4	
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jun-28-07 10:10	Jun-28-07 10:20	Jun-28-07 10:30	Jun-28-07 10:40	Jun-28-07 10:45	
BTEX by EPA 8021B	Extracted:	Jul-02-07 13:00					
	Analyzed:	Jul-02-07 23:43	Jul-03-07 00:03	Jul-03-07 00:24	Jul-03-07 00:45	Jul-03-07 01:05	
	Units/RL:	mg/kg RL					
Benzene		4.862 0.0287	ND 0.0021	ND 0.0021	ND 0.0022	ND 0.0022	
Toluene		20.86 0.0287	0.0057 0.0021	0.0027 0.0021	ND 0.0022	ND 0.0022	
Ethylbenzene		12.99 0.0287	0.0048 0.0021	0.0037 0.0021	ND 0.0022	ND 0.0022	
m,p-Xylene		30.59 0.0573	0.0163 0.0042	0.0061 0.0042	ND 0.0044	ND 0.0043	
o-Xylene		15.61 0.0287	0.0106 0.0021	0.0028 0.0021	ND 0.0022	ND 0.0022	
Total Xylenes		46.2	0.0269	0.0089	ND	ND	
Total BTEX		84.912	0.0374	0.0153	ND	ND	
Percent Moisture	Extracted:	Jun-28-07 18:15	Jun-28-07 18:20	Jun-28-07 18:25	Jun-28-07 18:30	Jun-28-07 18:35	
	Analyzed:						
	Units/RL:	% RL					
Percent Moisture		12.8	3.72	4.61	8.21	7.45	
TPH by SW8015 Mod	Extracted:	Jul-02-07 15:54					
	Analyzed:	Jul-03-07 02:07	Jul-03-07 02:32	Jul-03-07 02:56	Jul-03-07 03:21	Jul-03-07 03:46	
	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		3120 143	882 26.0	ND 26.2	ND 27.2	ND 27.0	
C12-C28 Diesel Range Hydrocarbons		7950 143	5640 26.0	82.9 26.2	60.8 27.2	ND 27.0	
C28-C35 Oil Range Hydrocarbons		976 143	442 26.0	ND 26.2	ND 27.2	ND 27.0	
Total TPH		12046	6964	82.9	60.8	ND	

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

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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.

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(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries



Project Name: Track 5

Work Order #: 285136

Project ID: 207167.00

Lab Batch #: 699664

Sample: 285136-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.1142	0.0500	228	75-125	**

Lab Batch #: 699664

Sample: 285136-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0355	0.0500	71	75-125	**

Lab Batch #: 699664

Sample: 285136-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0431	0.0500	86	75-125	

Lab Batch #: 699664

Sample: 285136-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0394	0.0500	79	75-125	

Lab Batch #: 699664

Sample: 285136-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0456	0.0500	91	75-125	

** 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: Track 5

Work Order #: 285136

Project ID: 207167.00

Lab Batch #: 699664

Sample: 285189-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0479	0.0500	96	75-125	

Lab Batch #: 699664

Sample: 285189-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0455	0.0500	91	75-125	

Lab Batch #: 699664

Sample: 496717-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
4-Bromofluorobenzene	0.0518	0.0500	104	80-120	

Lab Batch #: 699664

Sample: 496717-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	ND	ND		80-120	*U
4-Bromofluorobenzene	0.0485	0.0500	97	80-120	

Lab Batch #: 699594

Sample: 285136-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctadecane	42.5	50.0	85	70-135	
1-Chlorooctane	68.5	50.0	137	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: Track 5

Work Order #: 285136

Project ID: 207167.00

Lab Batch #: 699594

Sample: 285136-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	41.8	50.0	84	70-135	
1-Chlorooctane	54.7	50.0	109	70-135	

Lab Batch #: 699594

Sample: 285136-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	44.0	50.0	88	70-135	
1-Chlorooctane	44.7	50.0	89	70-135	

Lab Batch #: 699594

Sample: 285136-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	44.8	50.0	90	70-135	
1-Chlorooctane	45.3	50.0	91	70-135	

Lab Batch #: 699594

Sample: 285136-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	40.5	50.0	81	70-135	
1-Chlorooctane	41.7	50.0	83	70-135	

Lab Batch #: 699594

Sample: 285197-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	41.1	50.0	82	70-135	
1-Chlorooctane	45.4	50.0	91	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: Track 5

Work Order #: 285136

Project ID: 207167.00

Lab Batch #: 699594

Sample: 285197-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.8	50.0	86	70-135	
1-Chlorooctane	50.0	50.0	100	70-135	

Lab Batch #: 699594

Sample: 496733-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	51.2	50.0	102	70-135	
1-Chlorooctane	59.0	50.0	118	70-135	

Lab Batch #: 699594

Sample: 496733-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	49.3	50.0	99	70-135	
1-Chlorooctane	49.3	50.0	99	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.



Blank Spike Recovery



Project Name: Track 5

Work Order #: 285136

Project ID:

207167.00

Lab Batch #: 699664

Sample: 496717-1-BKS

Matrix: Solid

Date Analyzed: 07/02/2007

Date Prepared: 07/02/2007

Analyst: CELKEE

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	0.0500	0.0494	99	70-130	
Toluene	ND	0.0500	0.0504	101	70-130	
Ethylbenzene	ND	0.0500	0.0558	112	71-129	
m,p-Xylene	ND	0.1000	0.1000	100	70-135	
o-Xylene	ND	0.0500	0.0544	109	71-133	

Lab Batch #: 699594

Sample: 496733-1-BKS

Matrix: Solid

Date Analyzed: 07/03/2007

Date Prepared: 07/02/2007

Analyst: SHE

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
C6-C12 Gasoline Range Hydrocarbons	ND	500	614	123	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	500	518	104	70-135	

Blank Spike Recovery [D] = 100*[C]/[B]

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



Form 3 - MS / MSD Recoveries



Project Name: Track 5

Work Order #: 285136

Project ID: 207167.00

Lab Batch ID: 699664

QC- Sample ID: 285189-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/03/2007

Date Prepared: 07/02/2007

Analyst: CELKEE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	0.1066	0.1009	95	0.1066	0.0996	93	2	70-130	35	
Toluene	ND	0.1066	0.1004	94	0.1066	0.1001	94	0	70-130	35	
Ethylbenzene	ND	0.1066	0.1079	101	0.1066	0.1091	102	1	71-129	35	
m,p-Xylene	ND	0.2131	0.1902	89	0.2131	0.1922	90	1	70-135	35	
o-Xylene	ND	0.1066	0.1044	98	0.1066	0.1058	99	1	71-133	35	

Lab Batch ID: 699594

QC- Sample ID: 285197-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 07/03/2007

Date Prepared: 07/02/2007

Analyst: SHE

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	565	608	108	565	626	111	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	565	510	90	565	529	94	4	70-135	35	

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

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

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



Sample Duplicate Recovery



Project Name: Track 5

Work Order #: 285136

Lab Batch #: 699443

Project ID: 207167.00

Date Analyzed: 06/28/2007

Date Prepared: 06/28/2007

Analyst: IRO

QC- Sample ID: 285050-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	23.4	26.6	13	20	

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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client Premier Env.
 Date/ Time 6 28 07 14.07
 Lab ID # 285136
 Initials QL

Sample Receipt Checklist

	Yes	No	Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	40 °C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present
#5 Chain of Custody present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID written on Cont / Lid
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below
#13 Samples properly preserved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below
#14 Sample bottles intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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 289570

for

PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

Tract-5

2006-0378

18-SEP-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



18-SEP-07

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

Reference: XENCO Report No: **289570**
Tract-5
Project Address: Eunice, 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 289570. 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. 289570 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron

Odessa Laboratory Director

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Sample Cross Reference 289570



PLAINS ALL AMERICAN EH&S, Midland, TX

Tract-5

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1	S	Sep-13-07 12:00		289570-001
SP-2	S	Sep-13-07 12:15		289570-002
SP-3	S	Sep-13-07 12:30		289570-003
SP-4	S	Sep-13-07 12:45		289570-004



Certificate of Analysis Summary 289570
PLAINS ALL AMERICAN EH&S, Midland, TX



Project Id: 2006-0378

Contact: Daniel Bryant

Project Location: Eunice, NM

Project Name: Tract-5

Date Received in Lab: Thu Sep-13-07 01:45 pm

Report Date: 18-SEP-07

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	289570-001	289570-002	289570-003	289570-004		
	<i>Field Id:</i>	SP-1	SP-2	SP-3	SP-4		
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Sep-13-07 12:00	Sep-13-07 12:15	Sep-13-07 12:30	Sep-13-07 12:45		
BTEX by EPA 8021B	<i>Extracted:</i>	Sep-14-07 15:49	Sep-14-07 15:49	Sep-14-07 15:49	Sep-14-07 15:49		
	<i>Analyzed:</i>	Sep-14-07 17:51	Sep-14-07 18:11	Sep-14-07 18:32	Sep-14-07 18:53		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0.0012	ND 0.0012	ND 0.0011	ND 0.0011		
Toluene		ND 0.0012	ND 0.0012	ND 0.0011	ND 0.0011		
Ethylbenzene		ND 0.0012	ND 0.0012	ND 0.0011	ND 0.0011		
m,p-Xylene		ND 0.0023	ND 0.0024	ND 0.0022	ND 0.0022		
o-Xylene		ND 0.0012	ND 0.0012	ND 0.0011	ND 0.0011		
Total Xylenes		ND	ND	ND	ND		
Total BTEX		ND	ND	ND	ND		
Percent Moisture	<i>Extracted:</i>	Sep-13-07 16:15	Sep-13-07 16:15	Sep-13-07 16:15	Sep-13-07 16:15		
	<i>Analyzed:</i>						
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		13.3 1.00	16.0 1.00	10.5 1.00	7.88 1.00		
TPH by Texas1005	<i>Extracted:</i>	Sep-14-07 11:30	Sep-14-07 11:30	Sep-14-07 11:30	Sep-14-07 11:30		
	<i>Analyzed:</i>	Sep-14-07 23:45	Sep-15-07 00:10	Sep-15-07 00:35	Sep-15-07 01:00		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C12 Gasoline Range Hydrocarbons		31.6 28.8	ND 29.8	ND 27.9	ND 27.1		
C12-C28 Diesel Range Hydrocarbons		264 28.8	56.2 29.8	ND 27.9	ND 27.1		
C28-C35 Oil Range Hydrocarbons		38.1 28.8	ND 29.8	ND 27.9	ND 27.1		
Total TPH 1005		333.7	56.2	ND	ND		

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

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


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.
- * Outside XENCO'S scope of NELAC Accreditation

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(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries



Project Name: Tract-5

Work Order #: 289570

Project ID: 2006-0378

Lab Batch #: 704440

Sample: 289570-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
4-Bromofluorobenzene	0.0283	0.0500	57	80-120	**

Lab Batch #: 704440

Sample: 289570-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
4-Bromofluorobenzene	0.0397	0.0500	79	80-120	**

Lab Batch #: 704440

Sample: 289570-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	80-120	

Lab Batch #: 704440

Sample: 289570-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
4-Bromofluorobenzene	0.0276	0.0500	55	80-120	**

Lab Batch #: 704440

Sample: 289576-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
4-Bromofluorobenzene	0.1646	0.2500	66	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: Tract-5

Work Order #: 289570

Project ID: 2006-0378

Lab Batch #: 704440

Sample: 289576-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
4-Bromofluorobenzene	0.1650	0.2500	66	80-120	*

Lab Batch #: 704440

Sample: 499367-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
4-Bromofluorobenzene	0.2151	0.2500	86	80-120	

Lab Batch #: 704440

Sample: 499367-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1,4-Difluorobenzene	ND	ND		80-120	*
4-Bromofluorobenzene	0.2196	0.2500	88	80-120	

Lab Batch #: 704439

Sample: 289424-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	35.3	50.0	71	70-135	
1-Chlorooctane	41.5	50.0	83	70-135	

Lab Batch #: 704439

Sample: 289424-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
Analytes					
1-Chlorooctadecane	35.5	50.0	71	70-135	
1-Chlorooctane	42.7	50.0	85	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: Tract-5

Work Order #: 289570

Project ID:2006-0378

Lab Batch #: 704439

Sample: 289570-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	37.6	50.0	75	70-135	
1-Chlorooctane	35.8	50.0	72	70-135	

Lab Batch #: 704439

Sample: 289570-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	36.1	50.0	72	70-135	
1-Chlorooctane	35.5	50.0	71	70-135	

Lab Batch #: 704439

Sample: 289570-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	37.9	50.0	76	70-135	
1-Chlorooctane	37.6	50.0	75	70-135	

Lab Batch #: 704439

Sample: 289570-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	35.4	50.0	71	70-135	
1-Chlorooctane	35.2	50.0	70	70-135	

Lab Batch #: 704439

Sample: 499336-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	39.5	50.0	79	70-135	
1-Chlorooctane	46.4	50.0	93	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: Tract-5

Work Order #: 289570

Project ID: 2006-0378

Lab Batch #: 704439

Sample: 499336-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery % R [D]	Control Limits % R	Flags
1-Chlorooctadecane	37.5	50.0	75	70-135	
1-Chlorooctane	37.3	50.0	75	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.



Blank Spike Recovery



Project Name: Tract-5

Work Order #: 289570

Project ID:

2006-0378

Lab Batch #: 704440

Sample: 499367-1-BKS

Matrix: Solid

Date Analyzed: 09/14/2007

Date Prepared: 09/14/2007

Analyst: SHE

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike % R [D]	Control Limits % R	Flags
Benzene	ND	0.2500	0.2142	86	70-130	
Toluene	ND	0.2500	0.2340	94	70-130	
Ethylbenzene	ND	0.2500	0.2499	100	71-129	
m,p-Xylene	ND	0.5000	0.4657	93	70-135	
o-Xylene	ND	0.2500	0.2367	95	71-133	

Lab Batch #: 704439

Sample: 499336-1-BKS

Matrix: Solid

Date Analyzed: 09/14/2007

Date Prepared: 09/14/2007

Analyst: SHE

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH by Texas1005 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike % R [D]	Control Limits % R	Flags
C6-C12 Gasoline Range Hydrocarbons	ND	500	578	116	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	500	501	100	70-135	

Blank Spike Recovery [D] = 100*[C]/[B]

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



Form 3 - MS / MSD Recoveries



Project Name: Tract-5

Work Order # 289570

Project ID: 2006-0378

Lab Batch ID: 704440

QC- Sample ID: 289576-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/17/2007

Date Prepared: 09/14/2007

Analyst: SHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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	0.2995	0.2134	71	0.2995	0.2106	70	1	70-130	35
Toluene	ND	0.2995	0.2266	76	0.2995	0.2201	73	4	70-130	35	
Ethylbenzene	ND	0.2995	0.2138	71	0.2995	0.2188	73	3	71-129	35	
m,p-Xylene	ND	0.5989	0.4399	73	0.5989	0.4378	73	0	70-135	35	
o-Xylene	ND	0.2995	0.2157	72	0.2995	0.2103	70	3	71-133	35	X

Lab Batch ID: 704439

QC- Sample ID: 289424-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/17/2007

Date Prepared: 09/14/2007

Analyst: SHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by Texas1005 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	595	649	109	595	643	108	1	70-135	35
C12-C28 Diesel Range Hydrocarbons	ND	595	543	91	595	541	91	0	70-135	35	

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

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

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



Sample Duplicate Recovery



Project Name: Tract-5

Work Order #: 289570

Lab Batch #: 704332

Project ID: 2006-0378

Date Analyzed: 09/13/2007

Date Prepared: 09/13/2007

Analyst: RBA

QC- Sample ID: 289533-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	16.5	15.9	4	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

Variance/ Corrective Action Report- Sample Log-In

Client Premier Env / Plains
 Date/ Time 9/13/07 13:45
 Lab ID # 289570
 Initials CL

Sample Receipt Checklist

					Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	No	4.5	°C	
#2 Shipping container in good condition?	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	No			
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	No			
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	No			
#8 Chain of Custody agrees with sample label(s)?	Yes	No	Written on Cap / Lid		
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	No	Not Applicable		
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	No			
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	No			
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	No	See Below		
#13 Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	See Below		
#14 Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No			
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No			
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No			
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	No	See Below		
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	See Below		
#19 Subcontract of sample(s)?	Yes	No	Not Applicable		
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/> 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 288933

for

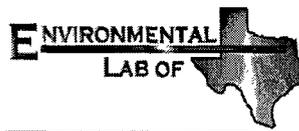
PLAINS ALL AMERICAN EH&S

Project Manager: Daniel Bryant

Trac 5

SRS# 2006-0378

07-SEP-07



12600 West I-20 East Odessa, Texas 79765

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NELAC certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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07-SEP-07

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

Reference: XENCO Report No: **288933**
Trac 5
Project Address: Lea Co., 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 288933. 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. 288933 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron

Odessa Laboratory Director

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



Sample Cross Reference 288933



PLAINS ALL AMERICAN EH&S, Midland, TX

Trac 5

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Confsouthwall 1	S	Sep-04-07 12:20		288933-001
Confsouthwall 2	S	Sep-04-07 12:45		288933-002



Certificate of Analysis Summary 288933

PLAINS ALL AMERICAN EH&S, Midland, TX



Project Name: Trac 5

Project Id: SRS# 2006-0378

Date Received in Lab: Sep-04-07 03:30 pm

Contact: Daniel Bryant

Report Date: 07-SEP-07

Project Location: Lea Co., NM

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	288933-001	288933-002		
	<i>Field Id:</i>	Confsouthwall 1	Confsouthwall 2		
	<i>Depth:</i>				
	<i>Matrix:</i>	SOIL	SOIL		
	<i>Sampled:</i>	Sep-04-07 12:20	Sep-04-07 12:45		
BTEX-MTBE by SW 8260B	<i>Extracted:</i>	Sep-05-07 09:22	Sep-05-07 09:24		
	<i>Analyzed:</i>	Sep-05-07 13:22	Sep-05-07 13:41		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL		
Benzene		ND 0.0011	ND 0.0011		
Toluene		ND 0.0011	ND 0.0011		
Ethylbenzene		ND 0.0011	ND 0.0011		
m,p-Xylenes		ND 0.0021	ND 0.0022		
o-Xylene		ND 0.0011	ND 0.0011		
Total BTEX		ND	ND		
Total Xylenes		ND	ND		
Percent Moisture	<i>Extracted:</i>				
	<i>Analyzed:</i>	Sep-04-07 16:00	Sep-04-07 16:00		
	<i>Units/RL:</i>	% RL	% RL		
Percent Moisture		5.99 1.00	10.8 1.00		
TPH by SW8015 Mod.	<i>Extracted:</i>	Sep-05-07 11:02	Sep-05-07 11:02		
	<i>Analyzed:</i>	Sep-06-07 00:23	Sep-06-07 00:48		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL		
C6-C12 Gasoline Range Hydrocarbons		ND 26.6	ND 28.0		
C12-C28 Diesel Range Hydrocarbons		ND 26.6	ND 28.0		
C28-C35 Oil Range Hydrocarbons		ND 26.6	ND 28.0		
Total TPH		ND	ND		

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

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


 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.

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9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries



Project Name: Trac 5

Work Order #: 288933

Project ID: SRS# 2006-0378

Lab Batch #: 703618

Sample: 288933-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0527	0.0499	106	74-121	
Dibromofluoromethane	0.0499	0.0499	100	80-120	
1,2-Dichloroethane-D4	0.0537	0.0499	108	80-120	
Toluene-D8	0.0492	0.0499	99	81-117	

Lab Batch #: 703618

Sample: 288933-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0477	0.0488	98	74-121	
Dibromofluoromethane	0.0523	0.0488	107	80-120	
1,2-Dichloroethane-D4	0.0575	0.0488	118	80-120	
Toluene-D8	0.0455	0.0488	93	81-117	

Lab Batch #: 703618

Sample: 288938-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.2559	0.2404	106	74-121	
Dibromofluoromethane	0.2539	0.2404	106	80-120	
1,2-Dichloroethane-D4	0.2532	0.2404	105	80-120	
Toluene-D8	0.2149	0.2404	89	81-117	

Lab Batch #: 703618

Sample: 288938-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.2426	0.2451	99	74-121	
Dibromofluoromethane	0.2491	0.2451	102	80-120	
1,2-Dichloroethane-D4	0.2618	0.2451	107	80-120	
Toluene-D8	0.2444	0.2451	100	81-117	

** 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: Trac 5

Work Order #: 288933

Project ID: SRS# 2006-0378

Lab Batch #: 703618

Sample: 499005-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0505	0.0500	101	74-121	
Dibromofluoromethane	0.0482	0.0500	96	80-120	
1,2-Dichloroethane-D4	0.0525	0.0500	105	80-120	
Toluene-D8	0.0467	0.0500	93	81-117	

Lab Batch #: 703618

Sample: 499005-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0535	0.0500	107	74-121	
Dibromofluoromethane	0.0467	0.0500	93	80-120	
1,2-Dichloroethane-D4	0.0525	0.0500	105	80-120	
Toluene-D8	0.0509	0.0500	102	81-117	

Lab Batch #: 703782

Sample: 288933-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.1	50.0	76	70-135	
1-Chlorooctane	38.0	50.0	76	70-135	

Lab Batch #: 703782

Sample: 288933-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	40.3	50.0	81	70-135	
1-Chlorooctane	47.3	50.0	95	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: Trac 5

Work Order #: 288933

Project ID: SRS# 2006-0378

Lab Batch #: 703782

Sample: 288933-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	41.1	50.0	82	70-135	
1-Chlorooctane	48.4	50.0	97	70-135	

Lab Batch #: 703782

Sample: 288933-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.0	50.0	78	70-135	
1-Chlorooctane	38.2	50.0	76	70-135	

Lab Batch #: 703782

Sample: 498999-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.6	50.0	77	70-135	
1-Chlorooctane	43.9	50.0	88	70-135	

Lab Batch #: 703782

Sample: 498999-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod. Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.4	50.0	75	70-135	
1-Chlorooctane	37.0	50.0	74	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.



Blank Spike Recovery



Project Name: Trac 5

Work Order #: 288933

Project ID:

SRS# 2006-0378

Lab Batch #: 703618

Sample: 499005-1-BKS

Matrix: Solid

Date Analyzed: 09/05/2007

Date Prepared: 09/05/2007

Analyst: BEC

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

BTEX-MTBE by SW 8260B	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Benzene	ND	0.1000	0.0999	100	66-142	
Toluene	ND	0.1000	0.0853	85	59-139	
Ethylbenzene	ND	0.1000	0.0925	93	75-125	
m,p-Xylenes	ND	0.2000	0.1733	87	75-125	
o-Xylene	ND	0.1000	0.1001	100	75-125	

Lab Batch #: 703782

Sample: 498999-1-BKS

Matrix: Solid

Date Analyzed: 09/05/2007

Date Prepared: 09/05/2007

Analyst: ASA

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH by SW8015 Mod.	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
C6-C12 Gasoline Range Hydrocarbons	ND	500	553	111	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	500	477	95	70-135	

Blank Spike Recovery [D] = 100*[C]/[B]

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



Form 3 - MS / MSD Recoveries



Project Name: Trac 5

Work Order #: 288933

Project ID: SRS# 2006-0378

Lab Batch ID: 703618

QC- Sample ID: 288938-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/05/2007

Date Prepared: 09/05/2007

Analyst: BEC

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Benzene	ND	0.4808	0.4375	91	0.4902	0.4454	91	0	66-142	25
Toluene	ND	0.4808	0.4049	84	0.4902	0.4371	89	6	59-139	25	
Ethylbenzene	ND	0.4808	0.4490	93	0.4902	0.4525	92	1	75-125	25	
m,p-Xylenes	ND	0.9615	0.9248	96	0.9804	0.8958	91	5	75-125	25	
o-Xylene	ND	0.4808	0.4733	98	0.4902	0.4946	101	3	75-125	25	

Lab Batch ID: 703782

QC- Sample ID: 288933-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/06/2007

Date Prepared: 09/05/2007

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	532	596	112	532	611	115	3	70-135	35
C12-C28 Diesel Range Hydrocarbons	ND	532	514	97	532	525	99	2	70-135	35	

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

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

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



Sample Duplicate Recovery



Project Name: Trac 5

Work Order #: 288933

Lab Batch #: 703701

Project ID: SRS# 2006-0378

Date Analyzed: 09/04/2007

Date Prepared: 09/04/2007

Analyst: RBA

QC- Sample ID: 288260-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	10.2	9.78	4	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
Variance/ Corrective Action Report- Sample Log-In

Client Plains Premier
Date/ Time 9/4/07 15:30
Lab ID # 288933
Initials GL

Sample Receipt Checklist

	Yes	No	Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/>		55 °C
#2 Shipping container in good condition?	<input checked="" type="checkbox"/>		
#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?	<input checked="" type="checkbox"/>		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	IQ written on Cont Lid
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/>	No	Not Applicable
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>		
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/>		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/>	No	See Below
#13 Samples properly preserved?	<input checked="" type="checkbox"/>	No	See Below
#14 Sample bottles intact?	<input checked="" type="checkbox"/>	No	
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>	No	See Below
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	See Below
#19 Subcontract of sample(s)?	Yes	No	Not Applicable
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/>	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 D Regulatory Information

New Mexico Office of State Engineer Water Well Report

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 21S Range: 37E Sections: 22

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report Avg Depth to Water Report Water Column Report

Clear Form iWATERS Menu Help

WATER COLUMN REPORT 08/29/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
CP 00252	21S	37E	22	4	2	4				106		
CP 00251	21S	37E	22	4	3	2				103		
CP 00881	21S	37E	22	4	4	3				95	53	42

Record Count: 3

POD / SURFACE DATA REPORT 08/29/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (acre ft per annum)

(quarters are biggest to smallest X Y are in Feet UTM are in Meters)

Start	Finish	Depth	Depth (in feet)							POD Number	
DB File Nbr	Use	Diversion	Owner								
Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone Easting	
Northing	Date		Date				Well	Water			
<u>CP 00251</u>			IND				48	VERSADO	GAS PROCESSORS	LLC	<u>CP 00251</u>
21S	37E	22	4	3	2				13	674151	3592707
	12/31/1948		103								
<u>CP 00252</u>			IND				40	VERSADO	GAS PROCESSORS,	LLC	<u>CP 00252</u>
21S	37E	22	4	2	4				13	674545	3592917
	03/31/1949		106								
<u>CP 00881</u>			DOM				3	RICHARD	DON JONES		<u>CP 00881</u>
Shallow	21S	37E	22	4	4	3				13	674352
3592515	09/04/1999		09/07/1999					95	53		

New Mexico Office of the State Engineer
 POD Reports and Downloads

Township: 21S Range: 37E Sections: 22

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / SURFACE DATA REPORT 08/29/2007

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	(quarters are 1=NW 2=NE 3=SW 4=SE) quarters are biggest to smallest	
												X	Y
CP_00251	IND	48	VERSADO GAS PROCESSORS LLC	CP_00251		21S	37E	22	4	3	2		
CP_00252	IND	40	VERSADO GAS PROCESSORS, LLC	CP_00252		21S	37E	22	4	2	4		
CP_00881	DOM	3	RICHARD DON JONES	CP_00881	Shallow	21S	37E	22	4	4	3		

Record Count: 3

**New Mexico Office of the State Engineer
POD Reports and Downloads**

Township: 21S Range: 37E Sections: 22

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic
 All

AVERAGE DEPTH OF WATER REPORT 08/29/2007

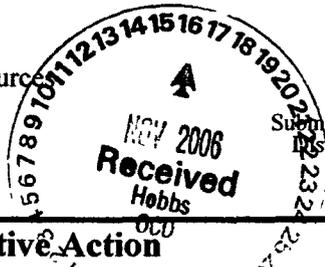
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
CP	21S	37E	22				1	53	53	53

Record Count: 1

Appendix E C-141 Release Notification

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) 686-1769
Facility Name	Tract 5 4" Gathering	Facility Type	Pipeline
Surface Owner	Millard Deck Estate	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	22	21S	37E					Lea
(SW/SW)								

46' GW

Latitude N 32.45722220° Longitude W 103.15888890°

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	4" steel gathering line	Date and Hour of Occurrence	11/07/2006 10:00	Date and Hour of Discovery	11/07/2006 10:35
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton			
By Whom?	Daniel Bryant	Date and Hour	11/08/2006 16:30		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
External corrosion caused a release of 10 bbls of crude oil on a 6" gathering line. Line was clamped to mitigate the release until a pipeline replacement could be made. The pressure of the line is 50 lbs and throughput on the pipeline is approximately 850 bbls per day. The gravity of the crude oil is 38. H₂S content is <10 ppm. Depth of the pipeline at the source of the release is approximately 5' bgs.

Describe Area Affected and Cleanup Action Taken.*
Impacted soil will be remediated per NMOCD 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: <i>Daniel Bryant</i>	OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant	Approved by District Supervisor: <i>[Signature]</i>	
Title: Environmental R/C Specialist	Approval Date: 11-18-06	Expiration Date: 2-18-07
E-mail Address: dmbryant@paalp.com	Conditions of Approval: WTR<50'	Attached <input type="checkbox"/>
Date: 11/16/06 Phone: (432) 686-1769	SUBMIT FINAL C-141	

* Attach Additional Sheets If Necessary

Facility - PAC0633335918
Incident - PAC0633336090

VERTICAL DELINEATION SUBMITTED TO OGD w/ PLAN application - PAC0633336260
RP#1124

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