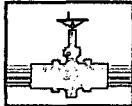


1R - 91

REPORT

DATE:

2006



PLAINS
ALL AMERICAN

IR-91
Report
2006

April 2, 2007

Mr. Ben Stone
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – Annual Monitoring Reports
3 Sites in Lea County, New Mexico

Dear Mr. Stone:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

| | |
|----------------|--|
| Lea Station | Section 28, Township 20 South, Range 37 East, Lea County |
| South Mattix | Section 15, Township 24 South, Range 37 East, Lea County |
| Denton Station | Section 14, Township 15 South, Range 37 East, Lea County |

EPI prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed EPI in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2000-10410 MM

Report Entered

2006 ANNUAL MONITORING AND SOIL CLOSURE REPORT

SOUTH MATTIX

District 10

PLAINS REF: 2000-10410
(COMPANY #231735)

NW $\frac{1}{4}$ OF THE SE $\frac{1}{4}$ OF SECTION 15, T24S, R37 E

~10 MILES NORTHEAST OF JAL,
LEA COUNTY, NEW MEXICO

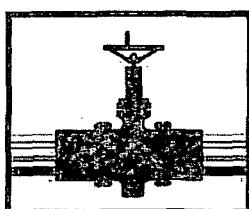
LATITUDE: N 32° 13' 01" LONGITUDE: W 103° 08' 57"

LR-0091

APRIL 2007

PREPARED BY:
ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO 88231

PREPARED FOR:



PLAINS
ALL AMERICAN

Distribution List
2006 Annual Monitoring and Soil Closure Report
Plains Pipeline, L.P.
South Mattix (Ref. #2000-10410)

| Name | Title | Company or Agency | Mailing Address | e-mail |
|------------------|---------------------------------|---|---|---------------------------|
| Ben Stone | Environmental Engineer | New Mexico Oil Conservation Division – Santa Fe | 1120 South St. Francis Santa Fe, NM 87505 | ben.stone@state.nm.us |
| Larry Johnson | Environmental Engineer | New Mexico Oil Conservation Division – Hobbs | 1625 North French Drive Hobbs, NM 88240 | larry.johnson@state.nm.us |
| Jeff Dann | Senior Environmental Specialist | Plains All American Pipeline | 333 Clay Street, Suite 1600 Houston, TX 77002 | jdann@paalp.com |
| Camille Reynolds | Remediation Coordinator | Plains All American Pipeline | 3112 West Highway 82 Lovington, NM 88260 | cireynolds@paalp.com |
| File | -- | Environmental Plus, Inc. | P.O. Box 1558 Eunice, NM 88231 | jstegemoller@envplus.net |

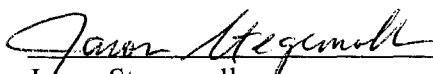
Standard of Care

2006 Annual Monitoring and Soil Closure Report

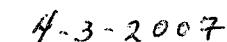
South Mattix
Ref. # 2000-10410

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993), the NMOCD Unlined Surface Impoundment Closure Guidelines (February 1993), and the Environmental Plus, Inc. (EPI) Standard Operating Procedures and Quality Assurance/Quality Control Plan. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental, and/or the natural sciences.

This report was prepared by:



Jason Stegemoller
Environmental Scientist

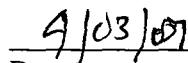


Date

This report was reviewed by:



David P. Duncan
Civil Engineer



Date

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Table 2: Summary of Groundwater Analytical Results (BTEX & TPH)
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Table 4: Summary of Excavation Analytical Results for Soil

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- Appendix A:** Analytical Results and Chain-of-Custody Forms
Appendix B: Soil Compaction Analytical Results
Appendix C: NMOCD Approval Letter for *Soil Characterization and Interim Remediation Plan* (January 2006).
Appendix D: NMOCD Final C-141 Form

1.0 Introduction

The Plains South Mattix remediation site is an active crude oil pump facility. The purpose of this report is to provide the New Mexico Oil Conservation Division (NMOCD) with documentation of groundwater monitoring and soil remediation activities at the site and request closure until the site is decommissioned.

2.0 Background

The Plains Pipeline, L.P. (Plains) South Mattix remediation site is located in Unit Letter-G (the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$), of Section 15, Range 37E, Township 24S at a latitude N 32°13'01" and a longitude W 103°08'57" approximately 10 miles northeast of Jal, Lea County, New Mexico on property owned by the Grobe Estate (reference *Figures 1 and 2*). There are no domestic or agricultural water wells or surface water bodies within 1,000 horizontal feet of the site. The remediation site, associated with the Plains South Mattix crude oil transfer pump station, has historically been impacted from pump leaks and a below-grade sump.

For further background information, please refer to Site Characterization – South Mattix Transfer Pump (July, 2000); 2003 Annual Monitoring Report (April 2004); 2004 Annual Monitoring Report – South Mattix (January 2005); Soil Characterization Report and Interim Remediation Plan – South Mattix (January 2006); and the 2005 Annual Monitoring Report – Plains Pipeline, L.P. South Mattix (February 2006).

3.0 Field Activities

Groundwater Monitoring –

Site visits were made to the site on February 14, May 25, August 10, November 21 and December 11, 2006 to collect samples from the groundwater monitoring well. In addition, groundwater level measurements were obtained prior to purging the well to determine the depth to groundwater and to determine if PSH were present on the water surface.

Soil Remediation –

EPI personnel were on site from May 5 through July 21, 2006 to remediate the most impacted soil beneath and around the transfer pump. Approximately 1,176-cubic yards of soil were excavated and transported to the Plains-Lea Station Landfarm for treatment. Soil samples were collected from the excavation sidewalls on May 18, 2006. Excavation activities continued based on laboratory analytical results. Additional soil samples were collected from the excavation sidewalls on June 6 and 7, 2006. After a site inspection on June 12, 2006, the NMOCD granted approval to cease excavation and proceed with the installation of the clay barrier on the floor to isolate residual hydrocarbons from vertical migration. The two-foot thick clay barrier was installed in 6-inch lifts and compacted with a vibratory plate compactor. To verify compaction, an independent engineering firm tested the certified to be within 95% Proctor Density (reference *Appendix B*). Upon verification of compaction, the excavation was backfilled with clean caliche obtained from an off-site source and graded/contoured to allow natural drainage.

4.0 Groundwater Gradient

The area groundwater gradient, according to the USGS Ground-Water Report 6, Geology and Ground-Water Conditions in Southern Lea County, New Mexico (A. Nicholson and A. Clebsch, 1961), is to the southeast.

5.0 PSH Recovery and Thickness

PSH was not detected on the groundwater surface during quarterly gauging in 2006 (reference *Table 1*).

6.0 Groundwater Sampling

During 2006, groundwater monitoring well MW-1 was sampled on February 14, May 25, August 10, November 21 and December 11, 2006. The samples were submitted to an independent laboratory for the quantification of BTEX via EPA Method 8260b. In addition, the groundwater samples collected on February 14 was analyzed for the presence of poly-aromatic hydrocarbons (PAHs) via EPA Method 8270C. The well was purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers. Samples were jarred and immediately placed on ice and shipped to an independent laboratory under chain-of-custody for analysis.

7.0 Analytical Results

Groundwater Analytical Results –

Analytical results for the February 14, 2006 groundwater sample indicated ethylbenzene concentrations were 1.65 µg/L, below the 750 µg/L remedial threshold. The remaining analytes were not detected (ND) at or above laboratory method detection limits (MDL). Laboratory analytical data from the February 14, 2006 sample indicated PAH concentrations were ND at or above laboratory MDL. The remaining four sampling events indicated BTEX constituent concentrations were ND at or above each analytes respective method detection limit MDL (reference *Tables 2 and 3*).

Soil Sample Analytical Results –

Analytical results for the May 18, 2006 soil sampling indicated BTEX concentrations ranged from ND to 0.0992 mg/Kg for all sample locations (i.e., SP-1 through SP-20). Soil samples SP-2, SP-11, SP-17 and SP-18 indicated TPH concentrations were in excess of the 1,000 mg/Kg remedial threshold. Additional excavation was subsequently conducted and soil samples were collected on June 6 and June 7, 2006. Laboratory analyses indicated TPH concentrations in these samples were below the NMOCD remedial threshold, with the exception of soil sample SP-11-W (i.e., TPH concentration of 1,550 mg/Kg) (reference *Table 4*).

8.0 Site Status

Groundwater Status –

Groundwater sample laboratory analytical results indicate BTEX constituent concentrations and PAHs have been below remedial thresholds for ten (10) quarters and three (3) years, respectively. In addition, quarterly groundwater field monitoring has indicated no PSH for the last sixteen (16) quarters. A summary of groundwater field monitoring activities is included as Table 1, laboratory analytical results are summarized in Table 2 and Table 3 and copies of laboratory analytical results are included as Appendix A.

Soil Status –

Soil impacted above NMOCD remedial thresholds was excavated to approximately 5-feet bgs and transported to Plains – Lea Station Landfarm for treatment. Laboratory and field analyses of soil samples collected from the excavation sidewalls indicated remedial thresholds were achieved (reference *Table 4*). A portion of the floor of the excavation indicated TPH concentrations above NMOCD criteria and with approval from the NMOCD, a compacted clay liner was installed in the excavation floor to isolate in situ soils above NMOCD remedial thresholds from vertical migration. After certification of proper compaction (i.e., via an independent engineering firm), the excavation was backfilled with clean caliche obtained from an off-site source and graded/contoured to allow natural drainage.

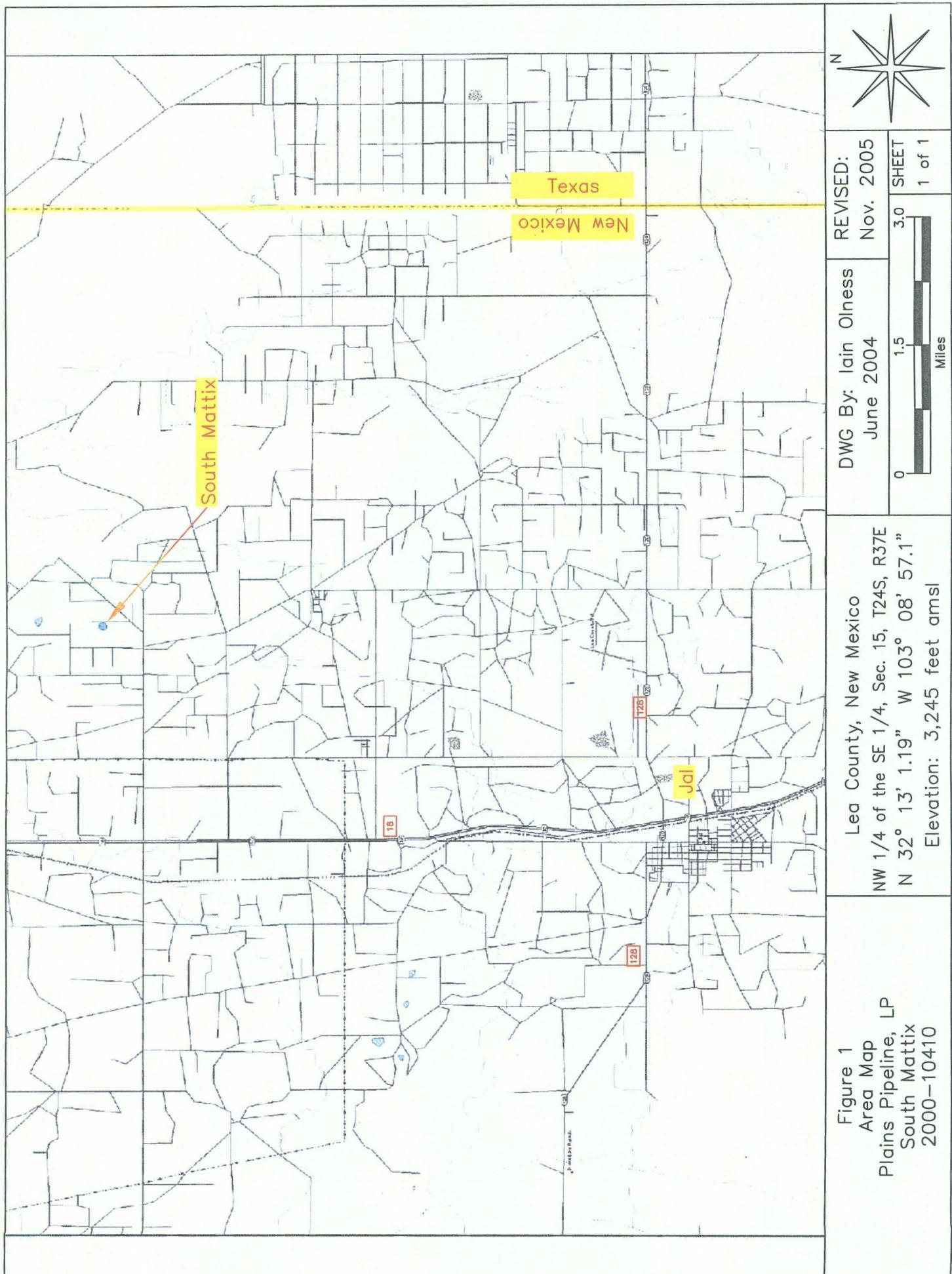
9.0 Recommendations

Based on field and laboratory analytical data indicating groundwater remediation has been achieved, as well as remediation of near-surface soils and isolation of residual, impacted sub-surface soils, EPI, on behalf of Plains, request the following:

- 1) Require no-further action concerning groundwater;
- 2) Suspend further groundwater sampling and monitoring operations and plug and abandon groundwater monitoring well MW-1 by a licensed water well company;
- 3) Require no-further action concerning in-situ, isolated hydrocarbon-impacted soil, until such time that the facility is decommissioned, at which time a remediation plan will be developed for the entire site; and
- 4) Issue a site closure letter to Plains.

EPI, on behalf of Plains requests formal written approval from the NMOCD to implement the proposed remedial activities outlined in Section 9.0.

FIGURES



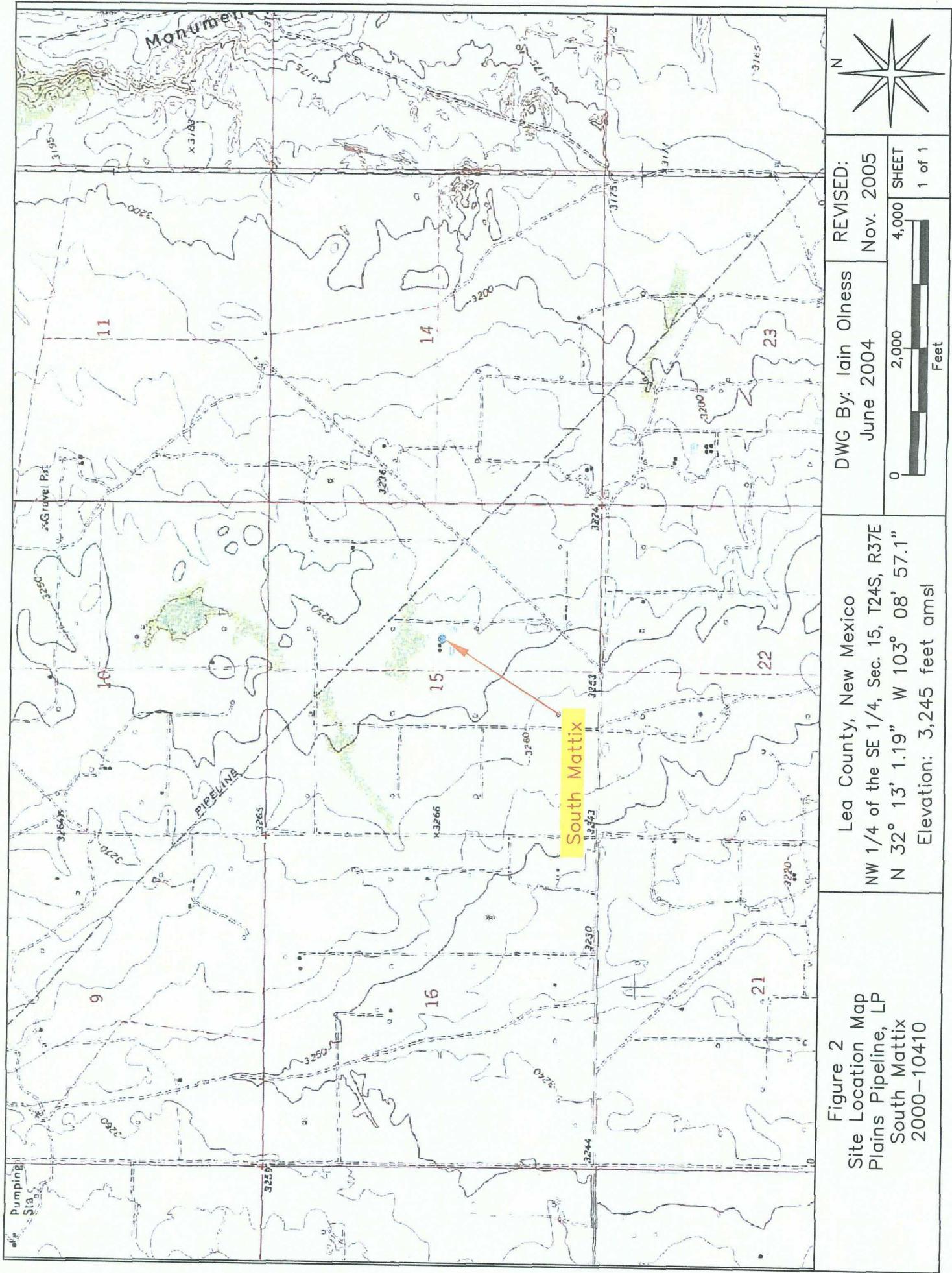
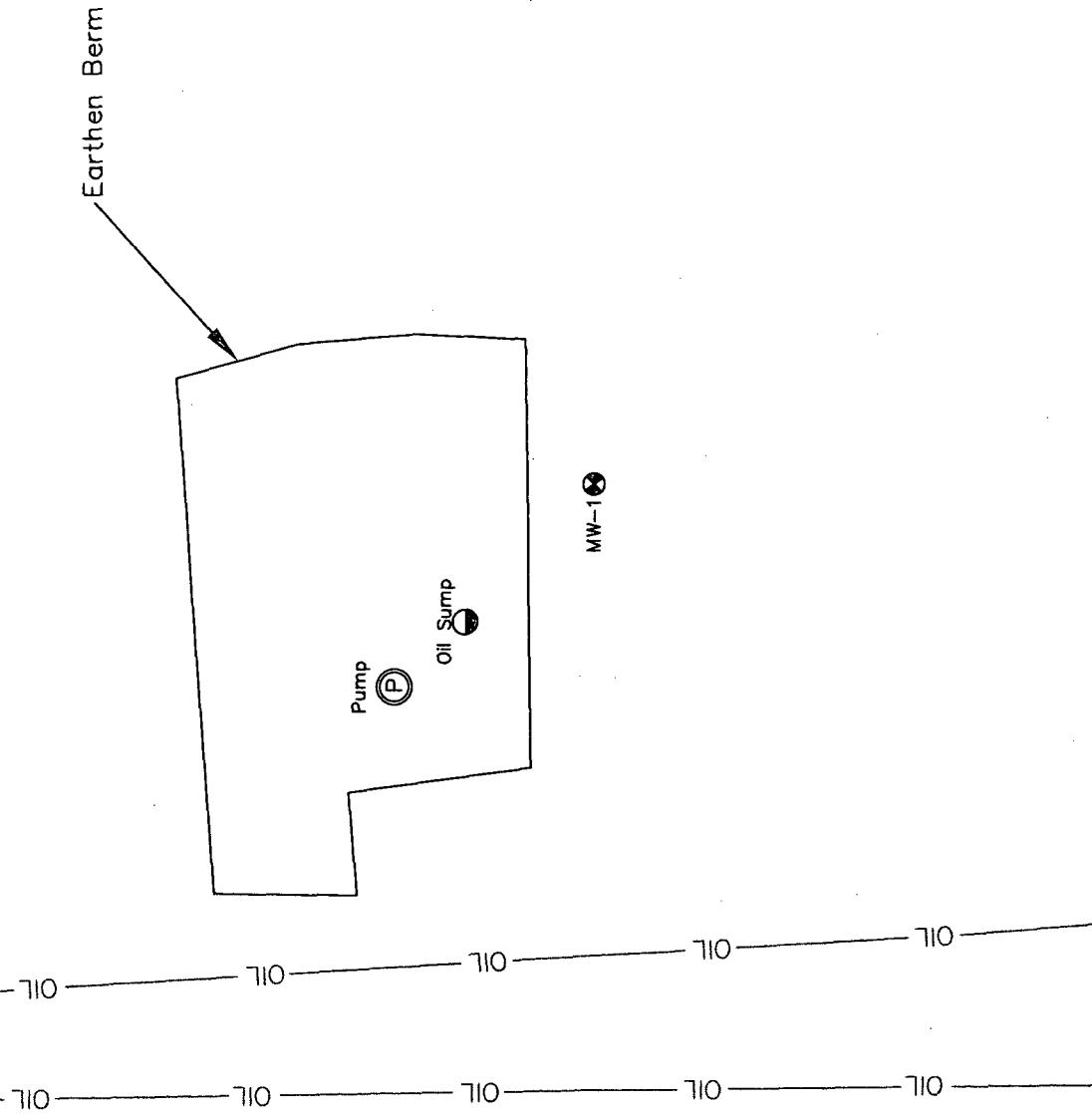
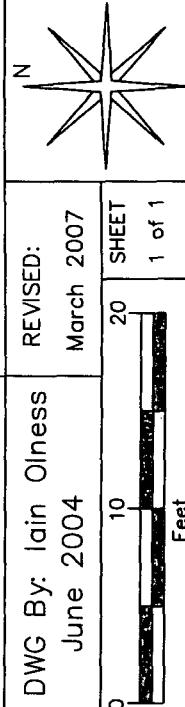


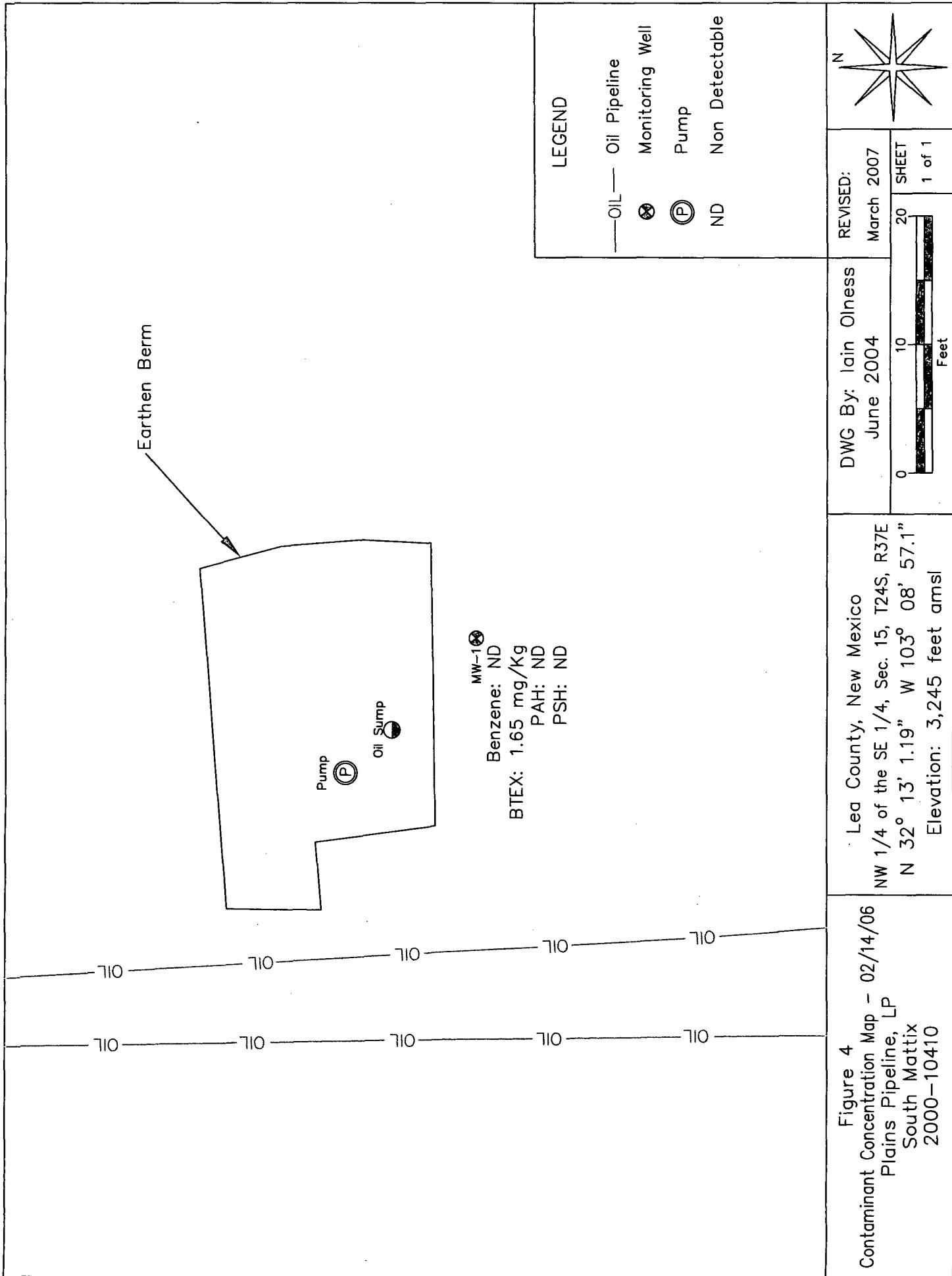
Figure 2
Site Location Map
Plains Pipeline, LP
South Mattix
2000-10410

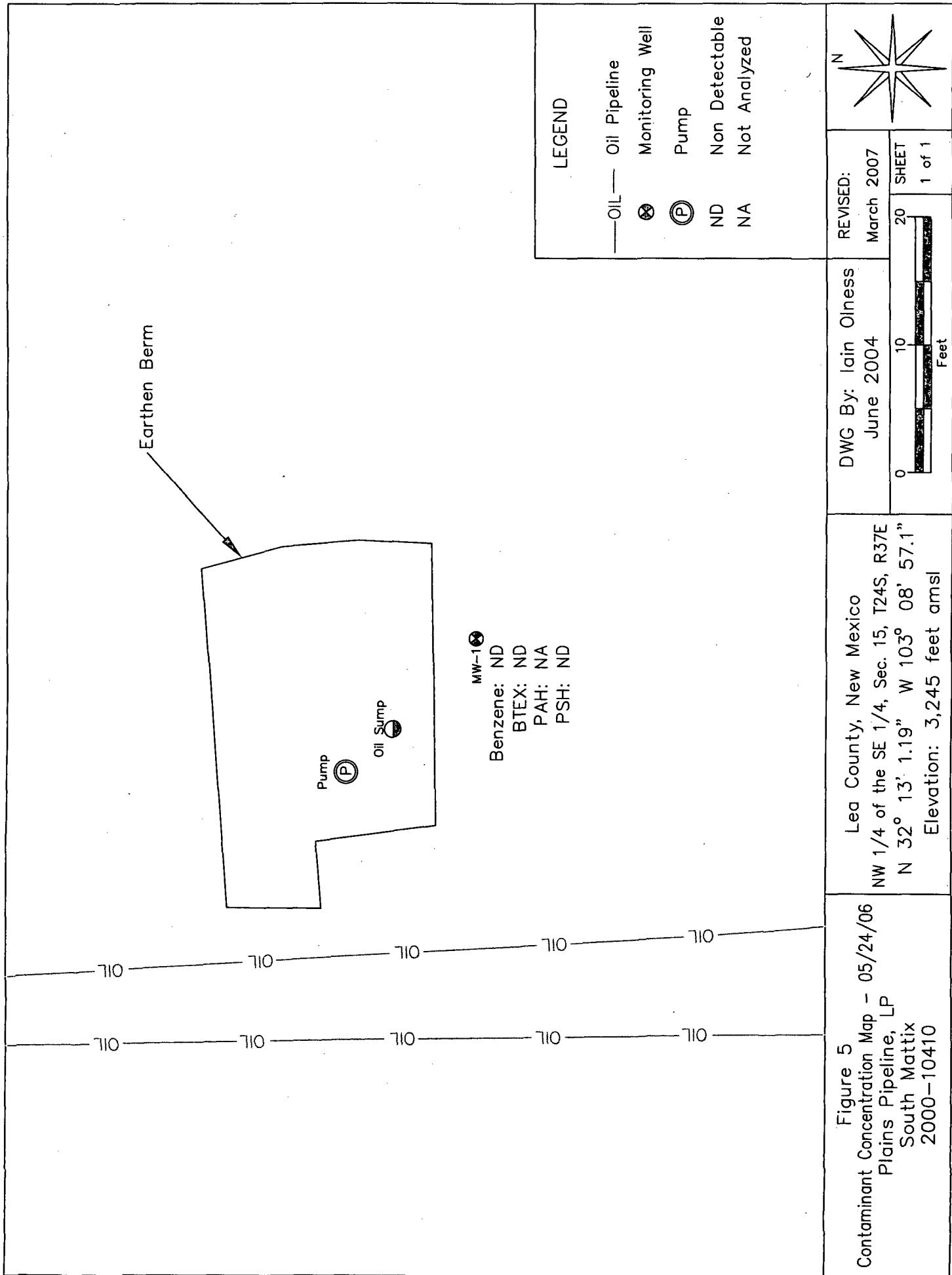
Lea County, New Mexico
NW 1/4 of the SE 1/4, Sec. 15, T24S,
N 32° 13' 1.19" W 103° 08' 5"
Elevation: 3,245 feet amsl

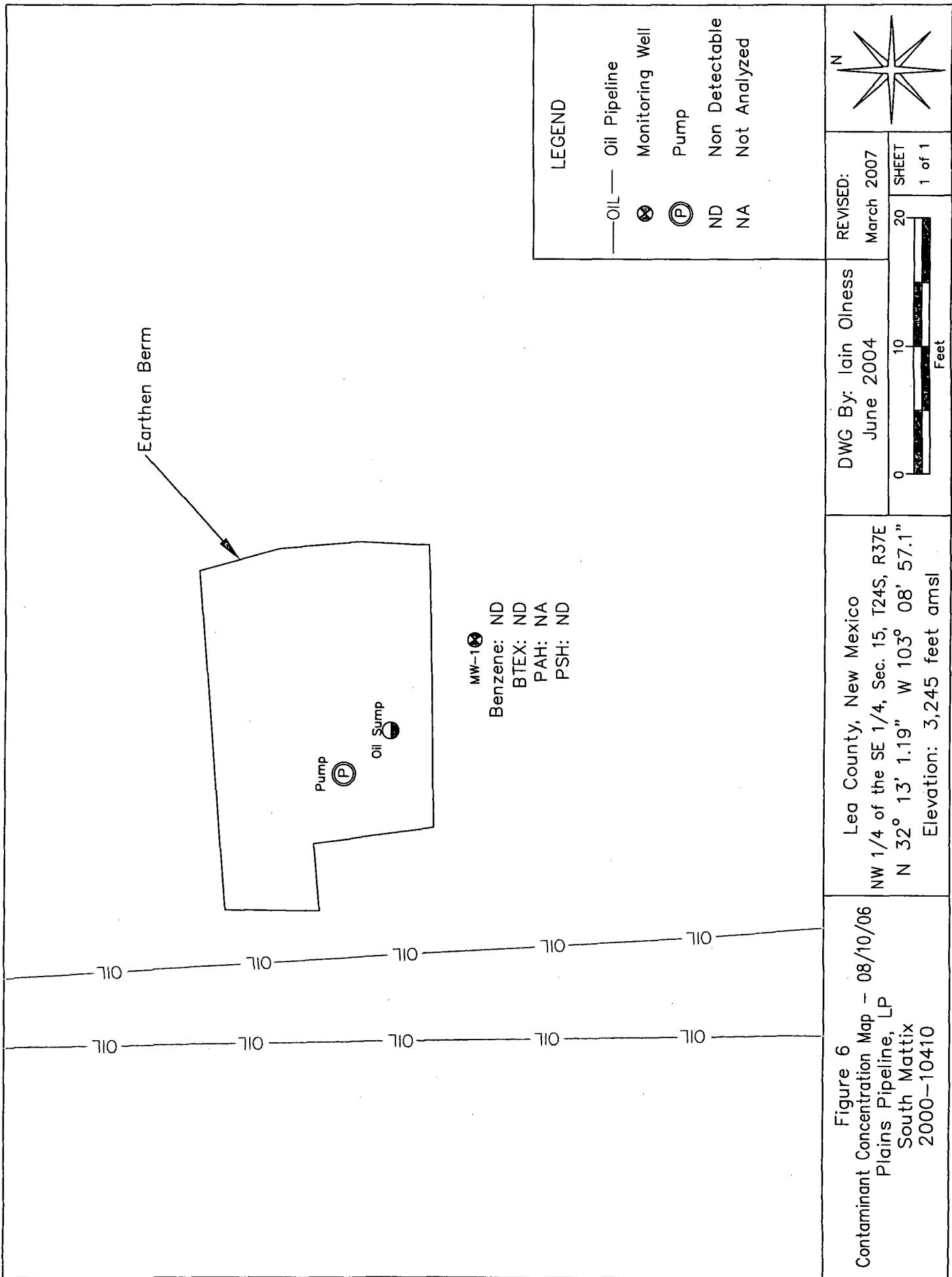


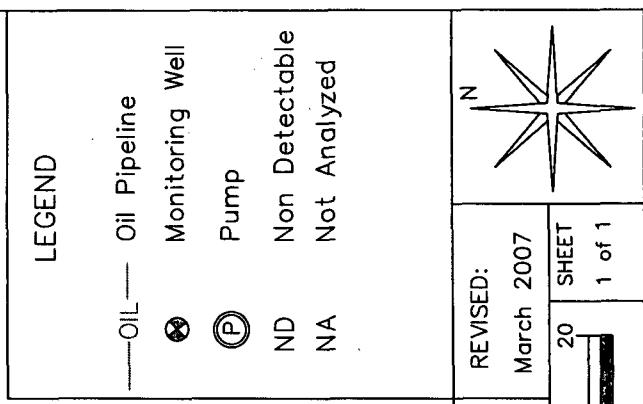
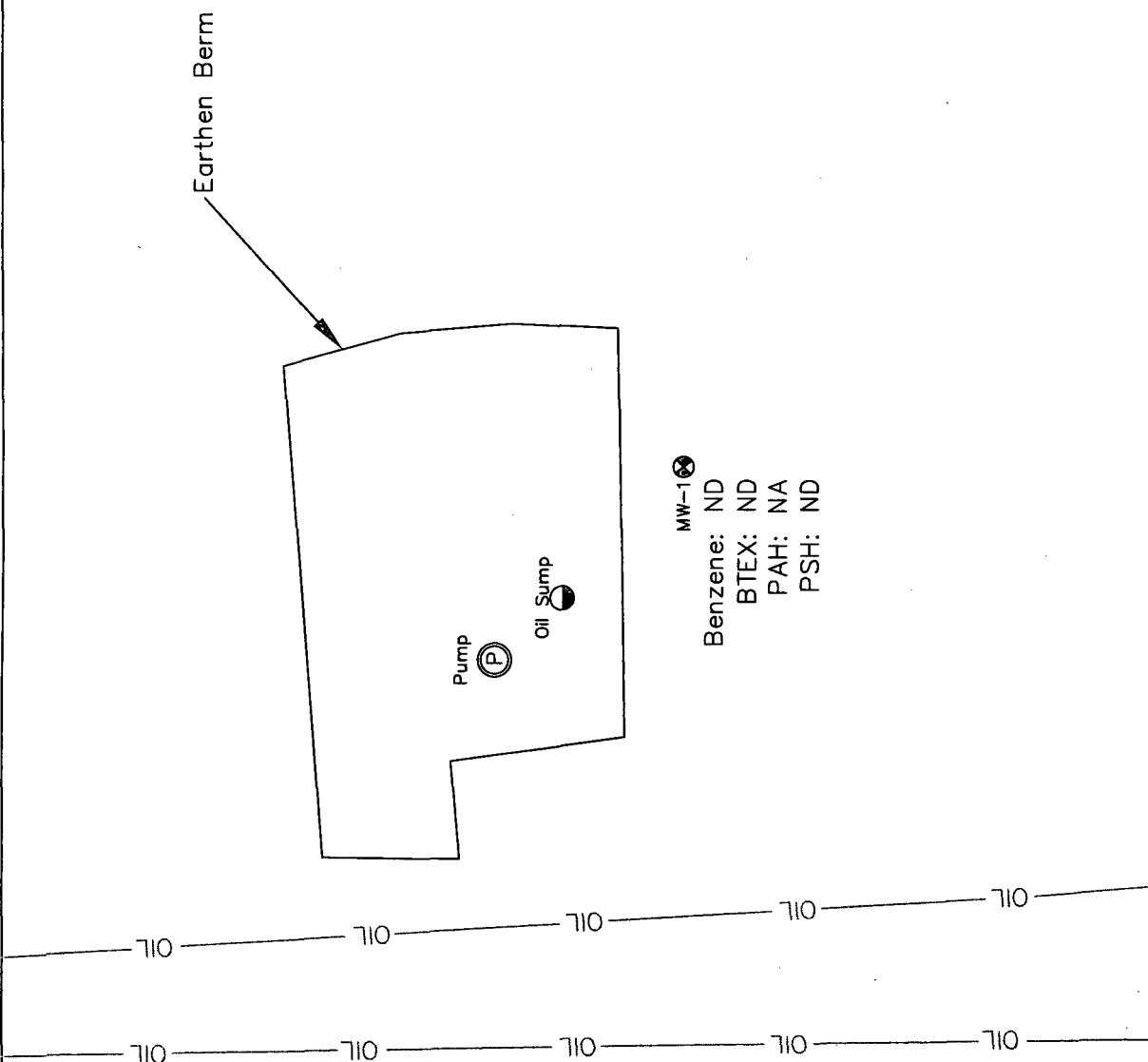
| | | |
|---|----------------------------------|-------------------------|
| Lea County, New Mexico NW 1/4 of the SE 1/4, Sec. 15, T24S, R37E N 32° 13' 1.19" W 103° 08' 57.1" Elevation: 3,245 feet amsl | DWG By: Iain Olness June 2004 | REVISED: March 2007 |
| | 0 10 20 | SHEET 1 of 1 Feet |

Figure 3
Site Map
Plains Pipeline, LP
South Mattix
2000-10410

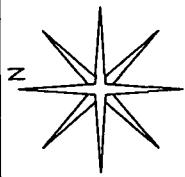


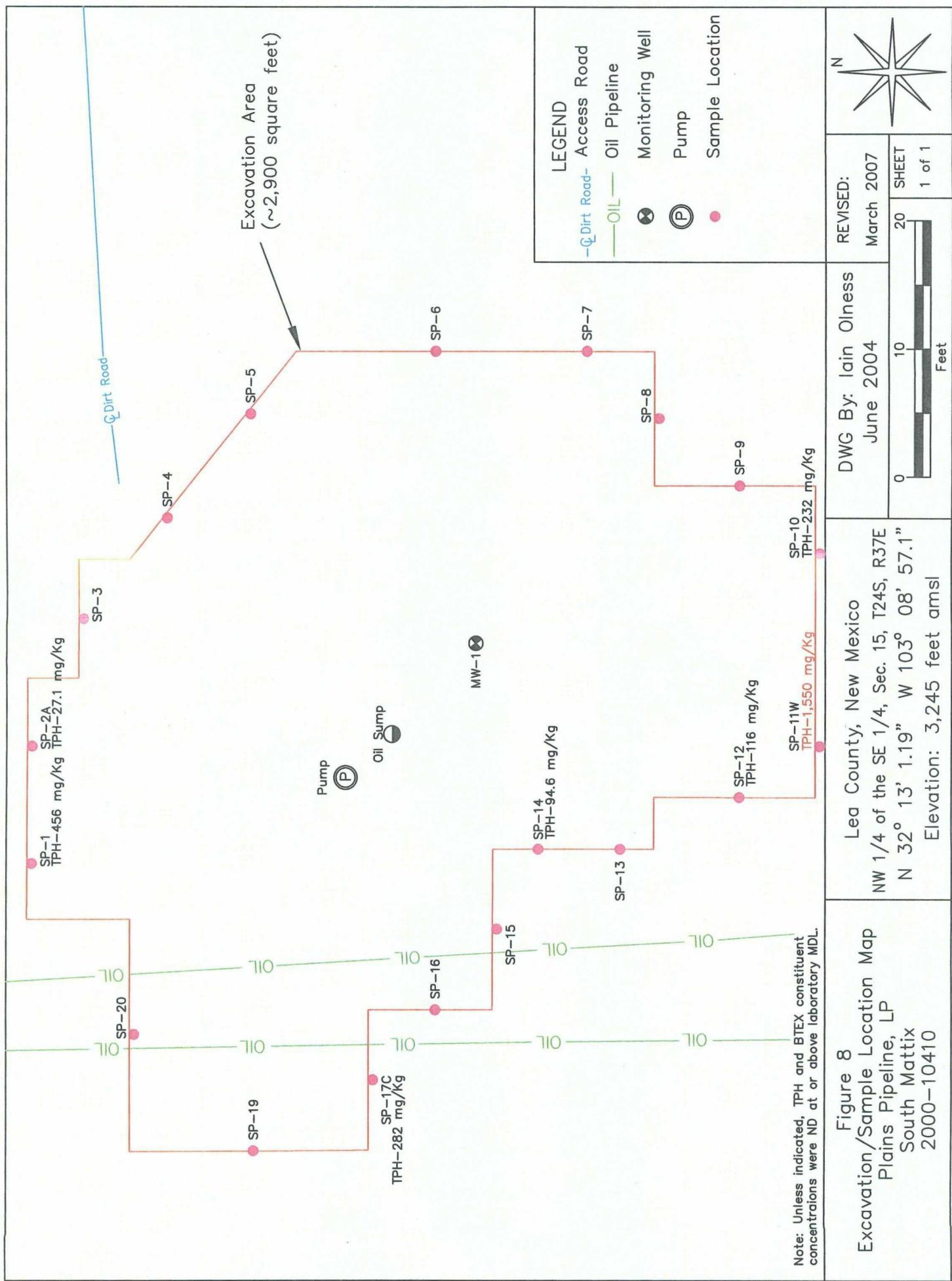






| | | | |
|--|---|---------------------|-----------------|
| Figure 7 Contaminant Concentration Map - 12/22/06 Plains Pipeline, LP South Matrix 2000-10410 | Lea County, New Mexico NW 1/4 of the SE 1/4, Sec. 15, T24S, R37E N 32° 13' 1.19" W 103° 08' 57.1" Elevation: 3,245 feet amsl | DWG By: Iain Olness | REVISED: |
| | | June 2004 | March 2007 |
| | | 0 | 20 |
| | | 10 | 10 |
| | | Feet | SHEET 1 of 1 |





TABLES

TABLE 1

**RELATIVE GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON THICKNESSES**

South Mattix - Ref #2000-10410

| Monitor Well | Date Gauged | Relative Top of Casing Elevation (feet)* | Depth to PSH Below Top of Casing (feet) | Depth to Water Below Top of Casing (feet) | Corrected Relative Groundwater Elevation (feet)** | Phase Separated Hydrocarbon Thickness (feet) |
|--------------|-------------|--|---|---|---|--|
| MW-1 | 28-Dec-01 | 3,245 | -- | 86.00 | 3,159.00 | |
| | 30-Apr-02 | | -- | 86.10 | 3,158.90 | -- |
| | 9-Jul-02 | | -- | 86.05 | 3,158.95 | -- |
| | 5-Oct-02 | | -- | 86.07 | 3,158.93 | -- |
| | 13-Dec-02 | | 86.07 | 86.08 | 3,158.93 | 0.01 |
| | 17-Feb-03 | | -- | 86.07 | 3,158.93 | -- |
| | 2-Apr-03 | | -- | 86.04 | 3,158.96 | -- |
| | 25-Jul-03 | | -- | 86.15 | 3,158.85 | -- |
| | 1-Oct-03 | | -- | 86.15 | 3,158.85 | -- |
| | 27-Jan-04 | | -- | 86.17 | 3,158.83 | -- |
| | 21-Apr-04 | | -- | 86.10 | 3,158.90 | -- |
| | 14-Jul-04 | | -- | 86.04 | 3,158.96 | -- |
| | 20-Oct-04 | | -- | 86.12 | 3,158.88 | -- |
| | 22-Feb-05 | | -- | 85.88 | 3,159.12 | -- |
| | 9-May-05 | | -- | 85.74 | 3,159.26 | -- |
| | 17-Aug-05 | | -- | 85.74 | 3,159.26 | -- |
| | 15-Nov-05 | | -- | 86.97 | 3,158.03 | -- |
| | 14-Feb-06 | | | 85.61 | 3,159.39 | |
| | 25-May-06 | | | 87.52 | 3,157.48 | |
| | 10-Aug-06 | | | 86.42 | 3,158.58 | |
| | 21-Nov-06 | | | 88.41 | 3,156.39 | |
| | 11-Dec-06 | | | 86.52 | 3,158.48 | |
| | 10-Jan-07 | | | 86.51 | 3,158.49 | |

* = Top of casing elevation set from USGS Topographical map

** Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness))

-- = Not detected

If cell is blank, the well was not gauged

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (BTEX & TPH)

PLAINS ALL AMERICAN PIPELINE, L.P.
SOUTH MATTIX - REF. #2000-10410
LEA COUNTY, NEW MEXICO

| Monitor Well | Sample Date | Benzene ($\mu\text{g/L}$) | Toluene ($\mu\text{g/L}$) | Ethylenbenzene ($\mu\text{g/L}$) | m,p-Xylenes ($\mu\text{g/L}$) | o-Xylene ($\mu\text{g/L}$) | Total Xylenes ($\mu\text{g/L}$) | Chloride (mg/L) | Total Dissolved Solids (mg/L) | TPH as Gasoline (mg/L) | TPH as Diesel (mg/L) | Total TPH (mg/L) |
|---------------------------|-------------|--------------------------------|--------------------------------|---------------------------------------|------------------------------------|---------------------------------|--------------------------------------|-------------------------------|---|--------------------------------------|------------------------------------|--------------------------------|
| | 28-Dec-01 | 2 | 1 | 1 | 7 | 2 | 9 | 46 | 655 | <3 | <3 | <6 |
| | 3-Apr-02 | 26.1 | 26.0 | 10.1 | 25.5 | 13.2 | 38.7 | | | | | |
| | 9-Jul-02 | 26.1 | 13.4 | 5.93 | 16.7 | 7.48 | 24.2 | 38 | 667 | | | |
| | 5-Oct-02 | 16 | 5.82 | 2.88 | 7.89 | 2.54 | 10.4 | | | | | |
| | 13-Dec-02 | 10.2 | <1 | 1.06 | 5.18 | <1 | 5.18 | | | | | |
| | 17-Feb-03 | <1 | <1 | <1 | <1 | <1 | <2 | | | | | |
| | 2-Apr-03 | 7.63 | <1 | <1 | 4.54 | 1.30 | 5.84 | | | | | |
| | 25-Jul-03 | 4.68 | 3.07 | 1.41 | 3.32 | 1.63 | 4.95 | | | | | |
| | 1-Oct-03 | <1 | <1 | <1 | <1 | <1 | <2 | | | | | |
| | 27-Jan-04 | 12.2 | 9.57 | 4.19 | 12.3 | 5.71 | 18.0 | | | | | |
| | 21-Apr-04 | 21.4 | 21.1 | 6.78 | 17.2 | 8.80 | 26.0 | | | | | |
| MW-1 | 14-Jul-04 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 20-Oct-04 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 22-Mar-05 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 9-May-05 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 17-Aug-05 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 15-Nov-05 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 14-Feb-06 | <1 | <1 | <1 | 11.65 | >2 | <3 | | | | | |
| | 24-May-06 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 10-Aug-06 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 21-Nov-06* | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| | 22-Dec-06 | <1 | <1 | <1 | <2 | <1 | <3 | | | | | |
| NMOCD Remedial Thresholds | | 10 | 750 | 750 | | | | 620 | 250 | 1,000 | | |

*Red, bolded values are in excess of the NMOCD Remediation Thresholds or Other Standards for Domestic Water Supply.
If cell is blank, that parameter was not analyzed.*

TABLE 3

PLAINS ALL AMERICAN PIPELINE, L.P.
SOUTH MARTIX - REF. #2000-10410
LEA COUNTY, NEW MEXICO

TABLE 4

Summary of Excavation Analytical Results for Soil

South Mattix - Ref #2000-10410

| Sample ID | Sample Date | Soil Status | Field Headspace Analysis (ppm) | Benzene (mg/Kg) | Toluene (mg/Kg) | Ethylbenzene (mg/Kg) | Total Xylenes (mg/Kg) | Total BTEx (mg/Kg) | Carbon Ranges (C6-C12) (mg/Kg) | Carbon Ranges (C-28-C35) (mg/Kg) | TPH (mg/Kg) |
|----------------------------------|-------------|-------------|--------------------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|--------------------------------|----------------------------------|--------------|
| SP-1 | 18-May-06 | In Situ | 20.7 | 0.0174 A | 0.0365 | 0.0627 | 0.0992 | <10.0 | 400 | 56.0 | 456 |
| SP-2 | 18-May-06 | Excavated | 70.7 | <0.0250 | <0.0250 | <0.0250 | <0.0414 | <0.202 | 270 | 259 | 2,890 |
| SP-2A | 6-Jun-06 | In Situ | 29.9 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | 27.1 | 27.1 |
| SP-3 | 18-May-06 | In Situ | 5.9 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-4 | 18-May-06 | In Situ | 6.3 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-5 | 18-May-06 | In Situ | 5.2 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-6 | 18-May-06 | In Situ | 8.3 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-7 | 18-May-06 | In Situ | 10.8 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-8 | 18-May-06 | In Situ | 15.9 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-9 | 18-May-06 | In Situ | 17.2 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-10 | 18-May-06 | In Situ | 62.3 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | 232 | <10.0 |
| SP-11 | 18-May-06 | Excavated | 50.4 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | 276 | 3,730 | 4,420 |
| SP-11A | 6-Jun-06 | Excavated | 45.9 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | - | - | - |
| SP-11B | 7-Jun-06 | Excavated | 262.0 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | - | - | - |
| SP-11-W | 7-Jun-06 | In Situ | 30.9 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | 11.0 | 1,320 | 215 |
| SP-12 | 18-May-06 | In Situ | 16.4 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | 97.0 | 18.5 |
| SP-13 | 18-May-06 | In Situ | 20.3 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-14 | 18-May-06 | In Situ | 27.1 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | 81.7 | 12.9 |
| SP-15 | 18-May-06 | In Situ | 20.5 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-16 | 18-May-06 | In Situ | 13.6 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| SP-17 | 18-May-06 | Excavated | 43.7 | 0.0117 A | 0.216 | 0.944 | 2.021 | 3.18 | 1,020 | 3,410 | 4,760 |
| SP-17Q | 7-Jun-06 | Excavated | 40.7 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | - | - | - |
| SP-17B | 7-Jun-06 | Excavated | 103 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | 220 | 62 | 282 |
| SP-17C | 7-Jun-06 | In Situ | 10.1 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | - | - | - |
| SP-18 | 18-May-06 | Excavated | 266 | <0.0250 | 0.240 | 0.833 | 2.73 | 3.81 | 4,230 | 446 | 5,810 |
| SP-18A | 7-Jun-06 | Excavated | 652 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | - | - | - |
| SP-19 | 18-May-06 | In Situ | 127 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | 10.0 | 5.58 A | <10.0 |
| SP-20 | 18-May-06 | In Situ | 12.8 | <0.0250 | <0.0250 | <0.0250 | <0.050 | <0.125 | <10.0 | <10.0 | <10.0 |
| NMOCD Remedial Thresholds | | | 10 | | | | | | 50 | | 1,000 |

Bolded values are in excess of the NMOCD Remediation Thresholds

- = Not Analyzed

Shaded cells indicate sample area excavated

A Detected, but below the Reporting Limit; therefore, result is an estimated concentration.

APPENDICES

APPENDIX A

Analytical Reports and Chain-of-Custody Forms



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Environmental Plus Material: Red Clay
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231 Test Method: ASTM: D 2922

Project: General Information - South Mattix Pump
Project Number 2006.1007

Date of Test: July 12, 2006 Depth: 3' Below Finished Subgrade
Reading Depth: 12"

| Test No. | Location | Dry Density % Maximum | % Moisture | Depth |
|----------|--|--------------------------|------------|-------|
| SG 9 | Pit - 20' S. & 15' E. of the NW Corner | 97.5 | 12.9 | |
| SG 10 | Pit - 30' N. & 20' W. of the SE Corner | 98.4 | 13.6 | |

Control Density: 105.9 Optimum Moisture: 17.6
ASTM: D 698

Required Compaction: 95%

Lab No.: 06 5937-5939

Copies To: Environmental Plus

PETTIGREW & ASSOCIATES

BY: Debra P. Hicks
BY: William M. Hicks P.E.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Environmental Plus Material: Red Clay
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231

Test Method: ASTM: D 2922

Project: General Information - South Mattix Pump
Project Number 2006.1007

Date of Test: July 17, 2006 Depth: Finished Subgrade
Reading Depth: 12"

| Test No. | Location | Dry Density % Maximum | % Moisture | Depth |
|----------|--|--------------------------|------------|-------|
| SG 11 | Pit - 25' S. & 15' E. of the NW Corner | 95.1 | 14.1 | |
| SG 12 | Pit - 10' N. & 15' W. of the SE Corner | 95.2 | 14.2 | |

Control Density: 105.9 Optimum Moisture: 17.6
ASTM: D 698

Required Compaction: 95%

Lab No.: 06 6141-6143

Copies To: Environmental Plus

PETTIGREW & ASSOCIATES

BY: Erica M. Hart

BY: Debra P. Hicks P.E.

PETTIGREW & ASSOCIATES, P.A.

FOR:

PROJECT:



1110 N. GRIMES
HOBBS NM 88240
(505) 393-9827

DATE:

LAB NO.

7/6/04

DENSITY DETERMINATION

TYPE OF MATERIAL:

Red Clay

Control Density:

105.9 @ 17.6

Proctor Type:

Test # LOCATION: Depth of Probe: Elevation:

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| 1031.8 | 112.1 | | 116.6 | 13.8 | 102.8 | | |
| | | | | | | | |

Avg. Dry Density: % M % Comp.
% Moisture (avg.) 13.4 % Lab Dens (avg.) 97.1

Test # LOCATION: Depth of Probe: Elevation:

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| 983.7 | 128.7 | | 118.2 | 12.3 | 105.9 | | |
| | | | | | | | |

Avg. Dry Density: % M % Comp.
% Moisture (avg.) 11.6 % Lab Dens (avg.) 100.0

Test # LOCATION: Depth of Probe: Elevation:

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| 1305.2 | 130.6 | | 115.2 | 11.4 | | | |
| | | | | | | | |

Avg. Dry Density: % M % Comp.
% Moisture (avg.) 10.9 % Lab Dens (avg.) 98.1

Test # LOCATION: Depth of Probe: Elevation:

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| 1935.2 | 133.7 | | 117.9 | 12.8 | | | |
| | | | | | | | |

Avg. Dry Density: % M % Comp.
% Moisture (avg.) 12.2 % Lab Dens (avg.) 99.2

Required: 95%

Tech Time
If testing by time

Copies:

Tested By:

FOR: Enviro Plus
PROJECT: MATTER PUMP1110 N. GRIMES
HOBBES NM 88240
(505) 393-9827DATE: 7/17/06

LAB NO. _____

DENSITY DETERMINATION

TYPE OF MATERIAL:

RED CLAY (WALLACH)

Control Density:

105.9 @ 17.6
D698

Proctor Type:

Test # 56- LOCATION: PIT 25' S & 15' E. OF THE NW CORNER
Probe Depth: 12" Elevation: FSG

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| <u>335.0</u> | <u>123.6</u> | | <u>114.9</u> | <u>14.2</u> | <u>100.7</u> | | |

Avg. Dry Density: _____ % M _____ % Comp. _____
% Moisture (avg.) 14.1 % Lab Dens (avg.) 95.1Test # 56- LOCATION: PIT 15' W. & 10' N. OF THE
Probe Depth: 12" Elevation: FSG

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| <u>328.5</u> | <u>124.4</u> | | <u>115.1</u> | <u>14.3</u> | <u>100.8</u> | | |

Avg. Dry Density: _____ % M _____ % Comp. _____
% Moisture (avg.) 14.2 % Lab Dens (avg.) 95.2Test # _____ LOCATION: _____
Probe Depth: _____ Elevation: _____

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| | | | | | | | |

Avg. Dry Density: _____ % M _____ % Comp. _____
% Moisture (avg.) 14.2 % Lab Dens (avg.) 95.2Test # _____ LOCATION: _____
Probe Depth: _____ Elevation: _____

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| | | | | | | | |

Avg. Dry Density: _____ % M _____ % Comp. _____
% Moisture (avg.) 14.2 % Lab Dens (avg.) 95.2Required: 95% Tech Time _____
Copies: _____ If testing by time _____

Densometer ID: _____

HTRIP

Tested By: CH

PETTIGREW & ASSOCIATES. P.A.

FOR: EPI
PROJECT: Mattix1110 N. GRIMES
HOBBS NM 88240
(505) 393-9827DATE: 7/12/06
LAB NO. _____

DENSITY DETERMINATION

TYPE OF MATERIAL: Red Clay Control Density: 105.9 @ 17.6
Proctor Type: D 1698Test # _____ LOCATION: _____
Depth of Probe: 12" Elevation: 3' VFB

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| <u>2911.1</u> | <u>143.6</u> | | <u>116.5</u> | <u>13.3</u> | <u>103.3</u> | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Avg. Dry Density: | | % M % Moisture (avg.) | % Comp. % Lab Dens (avg.) |
|-------------------|--|--------------------------|------------------------------|
| | | <u>12.9</u> | <u>97.5</u> |
| | | | |
| | | | |
| | | | |

Test # _____ LOCATION: _____
Depth of Probe: 12" Elevation: 3' VFB

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| <u>2213.1</u> | <u>151.6</u> | | <u>118.3</u> | <u>14.1</u> | <u>104.1</u> | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Avg. Dry Density: | | % M % Moisture (avg.) | % Comp. % Lab Dens (avg.) |
|-------------------|--|--------------------------|------------------------------|
| | | <u>13.6</u> | <u>98.4</u> |
| | | | |
| | | | |
| | | | |

Test # _____ LOCATION: _____
Depth of Probe: _____ Elevation: _____

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Avg. Dry Density: | | % M % Moisture (avg.) | % Comp. % Lab Dens (avg.) |
|-------------------|--|--------------------------|------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |

Test # _____ LOCATION: _____
Depth of Probe: _____ Elevation: _____

| DC Contact CPM | MC Moisture CPM | Air Gap CPM | WD Bulk Density PCF | M Moisture PCF | DD Dry Density PCF | % Moisture | % Density |
|----------------------|--------------------|----------------|---------------------------|----------------------|--------------------------|---------------|--------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Avg. Dry Density: | | % M % Moisture (avg.) | % Comp. % Lab Dens (avg.) |
|-------------------|--|--------------------------|------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |

Required: 95%Tech Time
If testing by time

Copies: _____

Tested By: _____

RF



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Environmental Plus Material: Red Clay
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231

Test Method: ASTM: D 2922

Project: General Information - South Mattix Pump
Project Number 2006.1007

Date of Test: July 10, 2006 Depth: 4' Below Finished Subgrade
Reading Depth: 12"

| Test No. | Location | Dry Density % Maximum | % Moisture | Depth |
|----------|--|--------------------------|------------|-------|
| SG 5 | Pit - 10' N. & 15' W. of the SE Corner | 98.1 | 10.4 | |
| SG 6 | Pit - 5' N. & 5' E. of the SW Corner | 95.5 | 9.3 | |
| SG 7 | Pit - 10' N. & 20' E. of the SW Corner | 100.1 | 10.4 | |
| SG 8 | Pit - 15' S. & 25' E. of the NW Corner | 100.8 | 9.9 | |

Control Density: 105.9 Optimum Moisture: 17.6
ASTM: D 698

Required Compaction: 95%

Lab No.: 06 5161-5165

Copies To: Environmental Plus

PETTIGREW & ASSOCIATES

BY: Debra P. Hicks
BY: William M. Hicks, III P.E.



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Environmental Plus
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231 Material: Red Clay

Project: General Information - South Mattix Pump
Project Number 2006.1007 Test Method: ASTM: D 2922

Date of Test: July 6, 2006 Depth: 5' Below Finished Subgrade
Reading Depth: 12"

| Test No. | Location | Dry Density % Maximum | % Moisture | Depth |
|----------|--|--------------------------|------------|-------|
| SG 1 | Pit - 10' N. & 5' W. of the SE Corner | 97.1 | 13.4 | |
| SG 2 | Pit - 10' N. of Centerline of Pit | 100.0 | 11.6 | |
| SG 3 | Pit - 10' E. & 5' N. of the SW Corner | 98.1 | 10.9 | |
| SG 4 | Pit - 12' E. & 10' S. of the NW Corner | 99.2 | 12.2 | |

Control Density: 105.9 Optimum Moisture: 17.6
ASTM: D 698

Required Compaction: 95%

Lab No.: 06 6048-6052

Copies To: Environmental Plus

PETTIGREW & ASSOCIATES

BY: Erick McNease
BY: Debra P. Hicks P.E.

APPENDIX B

Soil Compaction Analytical Results

Environmental Lab of Texas
Variance / Corrective Action Report - Sample Log-In

Client: EPI / Plains
 Date/Time: 6/9/06 11:00
 Order #: UFO9010
 Initials: CK

Sample Receipt Checklist

| | Yes | No | | |
|---|-------------------------------------|--------------------------|----|----------------|
| Temperature of container/cooler? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 30 | C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Custody Seals intact on shipping container/cooler? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | Not present |
| Custody Seals intact on sample bottles? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Chain of custody agrees with sample label(s)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Container labels legible and intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Preservatives documented on Chain of Custody? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | Not Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

LAB: ELT

Chain of Custody Form

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ANALYSIS OF EFFECT

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Notes and Definitions

| | |
|-----|--|
| 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:

6/14/2006

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

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

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

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.

Page 9 of 9

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

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 | RPD Limit | Notes |
|---|--------|--------------------|-------|-------------|---------------------------------------|------|-------------|---------|-----------|-------|
| Batch EF61101 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EF61101-BLK1) | | | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 100 | | % | | | | | | | |
| Duplicate (EF61101-DUP1) | | Source: 6F08014-01 | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 88.3 | | % | | 88.8 | | | 0.565 | 20 | |
| Duplicate (EF61101-DUP2) | | Source: 6F09002-02 | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 99.2 | | % | | 99.0 | | | 0.202 | 20 | |
| Duplicate (EF61101-DUP3) | | Source: 6F09002-22 | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 95.8 | | % | | 95.1 | | | 0.733 | 20 | |
| Duplicate (EF61101-DUP4) | | Source: 6F09007-02 | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 91.0 | | % | | 90.4 | | | 0.662 | 20 | |
| Duplicate (EF61101-DUP5) | | Source: 6F09012-01 | | | Prepared: 06/10/06 Analyzed: 06/11/06 | | | | | |
| % Solids | 90.6 | | % | | 90.9 | | | 0.331 | 20 | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|

Batch EF61305 - EPA 5030C (GC)

| Matrix Spike (EF61305-MS1) | Source: 6F09002-40 | Prepared: 06/13/06 | Analyzed: 06/14/06 |
|--|--------------------|--------------------|---------------------|
| Benzene | 1.53 | 0.0250 mg/kg dry | 1.60 ND 95.6 80-120 |
| Toluene | 1.47 | 0.0250 " | 1.60 ND 91.9 80-120 |
| Ethylbenzene | 1.35 | 0.0250 " | 1.60 ND 84.4 80-120 |
| Xylene (p/m) | 2.98 | 0.0250 " | 3.19 ND 93.4 80-120 |
| Xylene (o) | 1.57 | 0.0250 " | 1.60 ND 98.1 80-120 |
| Surrogate: <i>a,a,a-Trifluorotoluene</i> | 37.7 | ug/kg | 40.0 94.2 80-120 |
| Surrogate: <i>4-Bromofluorobenzene</i> | 37.9 | " | 40.0 94.8 80-120 |

| Matrix Spike Dup (EF61305-MSD1) | Source: 6F09002-40 | Prepared: 06/13/06 | Analyzed: 06/14/06 |
|--|--------------------|--------------------|-----------------------------|
| Benzene | 1.56 | 0.0250 mg/kg dry | 1.60 ND 97.5 80-120 1.97 20 |
| Toluene | 1.65 | 0.0250 " | 1.60 ND 103 80-120 11.4 20 |
| Ethylbenzene | 1.51 | 0.0250 " | 1.60 ND 94.4 80-120 11.2 20 |
| Xylene (p/m) | 3.33 | 0.0250 " | 3.19 ND 104 80-120 10.7 20 |
| Xylene (o) | 1.75 | 0.0250 " | 1.60 ND 109 80-120 10.5 20 |
| Surrogate: <i>a,a,a-Trifluorotoluene</i> | 39.1 | ug/kg | 40.0 97.8 80-120 |
| Surrogate: <i>4-Bromofluorobenzene</i> | 38.4 | " | 40.0 96.0 80-120 |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60931 - Solvent Extraction (GC)

| Matrix Spike Dup (EF60931-MSD1) | Source: 6F09002-40 | Prepared: 06/09/06 | Analyzed: 06/11/06 | | | | | | | |
|---------------------------------------|--------------------|--------------------|--------------------|------|----|------|--------|-------|----|--|
| Carbon Ranges C6-C12 | 668 | 10.0 | mg/kg dry | 639 | ND | 105 | 75-125 | 0.299 | 20 | |
| Carbon Ranges C12-C28 | 697 | 10.0 | " | 639 | ND | 109 | 75-125 | 0.865 | 20 | |
| Total Hydrocarbon nC6-nC35 | 1360 | 10.0 | " | 1280 | ND | 106 | 75-125 | 0.00 | 20 | |
| Surrogate: <i>t</i> -Chlorooctane | 46.4 | | mg/kg | 50.0 | | 92.8 | 70-130 | | | |
| Surrogate: <i>t</i> -Chlorooctadecane | 43.6 | | " | 50.0 | | 87.2 | 70-130 | | | |

Batch EF61305 - EPA 5030C (GC)

| Blank (EF61305-BLK1) | | | | Prepared & Analyzed: 06/13/06 | | | | | | |
|---|------|--------|-----------|-------------------------------|--|------|--------|--|--|--|
| 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: <i>a,a,a</i> -Trifluorotoluene | 32.1 | | ug/kg | 40.0 | | 80.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 32.7 | | " | 40.0 | | 81.8 | 80-120 | | | |

| LCS (EF61305-BS1) | | | | Prepared & Analyzed: 06/13/06 | | | | | | |
|---|------|--------|-----------|-------------------------------|--|------|--------|--|--|--|
| Benzene | 1.13 | 0.0250 | mg/kg wet | 1.25 | | 90.4 | 80-120 | | | |
| Toluene | 1.21 | 0.0250 | " | 1.25 | | 96.8 | 80-120 | | | |
| Ethylbenzene | 1.08 | 0.0250 | " | 1.25 | | 86.4 | 80-120 | | | |
| Xylene (p/m) | 2.47 | 0.0250 | " | 2.50 | | 98.8 | 80-120 | | | |
| Xylene (o) | 1.30 | 0.0250 | " | 1.25 | | 104 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 38.9 | | ug/kg | 40.0 | | 97.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.9 | | " | 40.0 | | 99.8 | 80-120 | | | |

| Calibration Check (EF61305-CCV1) | | | | Prepared: 06/13/06 | Analyzed: 06/14/06 | | | | | |
|---|--------|--|-----------|--------------------|--------------------|------|--------|--|--|--|
| Benzene | 0.0469 | | mg/kg wet | 0.0500 | | 93.8 | 80-120 | | | |
| Toluene | 0.0490 | | " | 0.0500 | | 98.0 | 80-120 | | | |
| Ethylbenzene | 0.0521 | | " | 0.0500 | | 104 | 80-120 | | | |
| Xylene (p/m) | 0.0979 | | " | 0.100 | | 97.9 | 80-120 | | | |
| Xylene (o) | 0.0528 | | " | 0.0500 | | 106 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 35.9 | | ug/kg | 40.0 | | 89.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 41.9 | | " | 40.0 | | 105 | 80-120 | | | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------|-------------|---------------|------|-------------|---------|-----------|-------|
| Batch EF60931 - Solvent Extraction (GC) | | | | | | | | | | |
| Blank (EF60931-BLK1) | | | | | | | | | | |
| Prepared: 06/09/06 Analyzed: 06/10/06 | | | | | | | | | | |
| 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 Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate: <i>I</i> -Chlorooctane | 37.7 | | mg/kg | 50.0 | | 75.4 | 70-130 | | | |
| Surrogate: <i>I</i> -Chlorooctadecane | 39.5 | | " | 50.0 | | 79.0 | 70-130 | | | |
| LCS (EF60931-BS1) | | | | | | | | | | |
| Prepared: 06/09/06 Analyzed: 06/10/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 502 | 10.0 | mg/kg wet | 500 | | 100 | 75-125 | | | |
| Carbon Ranges C12-C28 | 538 | 10.0 | " | 500 | | 108 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1040 | 10.0 | " | 1000 | | 104 | 75-125 | | | |
| Surrogate: <i>I</i> -Chlorooctane | 58.2 | | mg/kg | 50.0 | | 116 | 70-130 | | | |
| Surrogate: <i>I</i> -Chlorooctadecane | 58.2 | | " | 50.0 | | 116 | 70-130 | | | |
| Calibration Check (EF60931-CCV1) | | | | | | | | | | |
| Prepared: 06/09/06 Analyzed: 06/11/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 269 | | mg/kg | 250 | | 108 | 80-120 | | | |
| Carbon Ranges C12-C28 | 290 | | " | 250 | | 116 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 559 | | " | 500 | | 112 | 80-120 | | | |
| Surrogate: <i>I</i> -Chlorooctane | 51.4 | | " | 50.0 | | 103 | 70-130 | | | |
| Surrogate: <i>I</i> -Chlorooctadecane | 54.3 | | " | 50.0 | | 109 | 70-130 | | | |
| Matrix Spike (EF60931-MS1) | | | | | | | | | | |
| Source: 6F09002-40 Prepared: 06/09/06 Analyzed: 06/11/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 670 | 10.0 | mg/kg dry | 639 | ND | 105 | 75-125 | | | |
| Carbon Ranges C12-C28 | 691 | 10.0 | " | 639 | ND | 108 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1360 | 10.0 | " | 1280 | ND | 106 | 75-125 | | | |
| Surrogate: <i>I</i> -Chlorooctane | 46.7 | | mg/kg | 50.0 | | 93.4 | 70-130 | | | |
| Surrogate: <i>I</i> -Chlorooctadecane | 42.8 | | " | 50.0 | | 85.6 | 70-130 | | | |

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.

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | Units | | | | | | |
| SP-2A (6F09010-01) Soil | | | | | | | | | |
| % Moisture | 9.0 | 0.1 | % | 1 | EF61101 | 06/10/06 | 06/11/06 | % calculation | |
| SP-11-W (6F09010-02) Soil | | | | | | | | | |
| % Moisture | 8.4 | 0.1 | % | 1 | EF61101 | 06/10/06 | 06/11/06 | % calculation | |
| SP-17C (6F09010-03) Soil | | | | | | | | | |
| % Moisture | 10.5 | 0.1 | % | 1 | EF61101 | 06/10/06 | 06/11/06 | % calculation | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-17C (6F09010-03) Soil | | | | | | | | | |
| Carbon Ranges C12-C28 | 220 | 10.0 | mg/kg dry | 1 | EF60931 | 06/09/06 | 06/11/06 | EPA 8015M | |
| Carbon Ranges C28-C35 | 62.3 | 10.0 | " | " | " | " | " | " | " |
| Total Hydrocarbon nC6-nC35 | 282 | 10.0 | " | " | " | " | " | " | " |
| Surrogate: 1-Chlorooctane | | 78.6 % | 70-130 | | " | " | " | " | " |
| Surrogate: 1-Chlorooctadecane | | 79.8 % | 70-130 | | " | " | " | " | " |

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Midland TX, 79706-4476

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Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting | | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|-----------|-----------|--------|-------|----------|----------|----------|-----------|--------|-------|
| SP-2A (6F09010-01) Soil | | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | | EF61305 | 06/13/06 | 06/13/06 | 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> | | 97.5 % | | 80-120 | | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 88.8 % | | 80-120 | | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | | EF60931 | 06/09/06 | 06/11/06 | EPA 8015M | | |
| Carbon Ranges C12-C28 | 27.1 | 10.0 | " | " | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 27.1 | 10.0 | " | " | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 74.8 % | | 70-130 | | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 74.6 % | | 70-130 | | " | " | " | " | " | |
| SP-11-W (6F09010-02) Soil | | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | | EF61305 | 06/13/06 | 06/13/06 | 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> | | 95.5 % | | 80-120 | | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 84.5 % | | 80-120 | | " | " | " | " | " | |
| Carbon Ranges C6-C12 | 11.0 | 10.0 | mg/kg dry | 1 | | EF60931 | 06/09/06 | 06/11/06 | EPA 8015M | | |
| Carbon Ranges C12-C28 | 1320 | 10.0 | " | " | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 215 | 10.0 | " | " | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1550 | 10.0 | " | " | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 77.4 % | | 70-130 | | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 81.6 % | | 70-130 | | " | " | " | " | " | |
| SP-17C (6F09010-03) Soil | | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | | EF61305 | 06/13/06 | 06/13/06 | 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> | | 86.8 % | | 80-120 | | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 86.5 % | | 80-120 | | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | | EF60931 | 06/09/06 | 06/11/06 | EPA 8015M | | |

Environmental Lab of Texas

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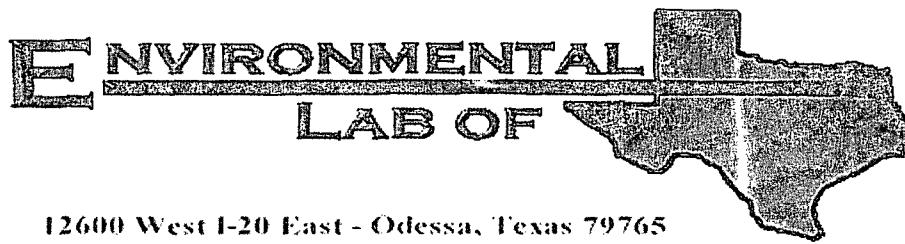
Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: South Mattix
Project Number: 2000-10410
Project Manager: Daniel Bryant

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SP-2A | 6F09010-01 | Soil | 06/06/06 15:35 | 06/09/06 11:00 |
| SP-11-W | 6F09010-02 | Soil | 06/07/06 08:15 | 06/09/06 11:00 |
| SP-17C | 6F09010-03 | Soil | 06/07/06 15:35 | 06/09/06 11:00 |



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

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

Project: South Mattix

Project Number: 2000-10410

Location: UL-G, Sec. 15, T 24 S, R 37 E

Lab Order Number: 6F09010

Report Date: 06/14/06

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: EPI / PlainsDate/Time: 5/19/00 12:35Order #: 6E(901)Initials: UK

Sample Receipt Checklist

| | Yes | No | 410 | C |
|---|-----|----|----------------|---|
| Temperature of container/cooler? | Yes | No | | |
| Shipping container/cooler in good condition? | Yes | No | | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present | |
| Custody Seals intact on sample bottles? | Yes | No | Not present | |
| Chain of custody present? | Yes | No | | |
| Sample Instructions complete on Chain of Custody? | Yes | No | | |
| Chain of Custody signed when relinquished and received? | Yes | No | | |
| Chain of custody agrees with sample label(s) | Yes | No | | |
| Container labels legible and intact? | Yes | No | | |
| Sample Matrix and properties same as on chain of custody? | Yes | No | | |
| Samples in proper container/bottle? | Yes | No | | |
| Samples properly preserved? | Yes | No | | |
| Sample bottles intact? | Yes | No | | |
| Preservations documented on Chain of Custody? | Yes | No | | |
| Containers documented on Chain of Custody? | Yes | No | | |
| Sufficient sample amount for indicated test? | Yes | No | | |
| All samples received within sufficient hold time? | Yes | No | | |
| VOC samples have zero headspace? | Yes | No | Not Applicable | |

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Environmental Plus, Inc.

221100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231

(E0E) 204 2484 ENV (E0E) 304 2601

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Chain of Custody Form

LAB: ELT

| Company Name | | Environmental Plus, Inc. | | Bill To: | | ANALYSIS REQUEST | | | | | |
|-----------------------|-------------------------------|--------------------------|------------|---------------------------|-----------|------------------------------|-----------|-----------|-------|--|------|
| EPI Project Manager | Iain Ohness | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Facility Name | South Matix | | | | | | | | | | |
| Location | UL-G, Sec. 15, T 24 S, R 37 E | | | | | | | | | | |
| Project Reference | 2000-10410 | | | | | | | | | | |
| EPI Sampler Name | George Blackburn | | | | | | | | | | |
| LAB I.D. | SAMPLE I.D. | # CONTAINERS | | (G)RAB OR (C)OMP. | | MATRIX | | PRESERV. | | SAMPLING | |
| | | SOIL | WASTEWATER | GROUND WATER | CRUDE OIL | SLUDGE | ACID/BASE | IC/COOL | OTHER | TIME | DATE |
| SP-11 | | X | X | X | X | X | X | X | 11:35 | 18-May-06 | |
| SP-12 | | X | X | X | X | X | X | X | 11:45 | 18-May-06 | |
| SP-13 | | X | X | X | X | X | X | X | 11:55 | 18-May-06 | |
| SP-14 | | X | X | X | X | X | X | X | 12:45 | 18-May-06 | |
| SP-15 | | X | X | X | X | X | X | X | 12:55 | 18-May-06 | |
| SP-16 | | X | X | X | X | X | X | X | 13:05 | 18-May-06 | |
| SP-17 | | X | X | X | X | X | X | X | 13:15 | 18-May-06 | |
| SP-18 | | X | X | X | X | X | X | X | 13:25 | 18-May-06 | |
| SP-19 | | X | X | X | X | X | X | X | 13:35 | 18-May-06 | |
| SP-20 | | X | X | X | X | X | X | X | 13:45 | 18-May-06 | |
| Sampler Relinquished: | | Iain Ohness | | Received By: C. Bonham | | Date: 5/18/06 Time: 12:55 | | REMARKS: | | E-mail results to: iohness@envplus.net and creynolds@paalp.com | |
| Relinquished by: | | Iain Ohness | | Received By: (lab staff) | | Date: 5/18/06 Time: 12:55 | | C. Bonham | | Sample Cool & In tact No | |
| Delivered by: | | Iain Ohness | | Received By: (lab staff) | | Date: 5/18/06 Time: 12:55 | | C. Bonham | | Sample Cool & In tact No | |

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

(505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: ELT

| Company Name | | Environmental Plus, Inc. | | Bill To | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| EPI Project Manager | Iain Oiness | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Facility Name | South Mattix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location | UL-G, Sec. 15, T 24 S, R 37 E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Reference | 2000-10410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EPI Sampler Name | George Blackburn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LAB I.D. | SAMPLE I.D. | MATRIX | | PRESERV. | | SAMPLING | | TIME | | DATE | | OTHER | | ACID/BASE | | SLUDGE | | SOIL | | WASTEWATER | | GROUND WATER | | (G)RAB OR (C)OMP. | | # CONTAINERS | | OTHER: | | ICE/COOL | | SULFATES (SO ₄ ²⁻) | | CHLORIDES (Cl ⁻) | | TPH 8015M | | BTX 8021B | | PE | | TCP | | PAH | | OTHER ??? | | SULFATES (SO ₄ ²⁻) | | CHLORIDES (Cl ⁻) | | TPH 8015M | | BTX 8021B | | PE | | TCP | | PAH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SP-1 | SP-2 | SP-3 | SP-4 | SP-5 | SP-6 | SP-7 | SP-8 | SP-9 | SP-10 | SP-11 | SP-12 | SP-13 | SP-14 | SP-15 | SP-16 | SP-17 | SP-18 | SP-19 | SP-20 | SP-21 | SP-22 | SP-23 | SP-24 | SP-25 | SP-26 | SP-27 | SP-28 | SP-29 | SP-30 | SP-31 | SP-32 | SP-33 | SP-34 | SP-35 | SP-36 | SP-37 | SP-38 | SP-39 | SP-40 | SP-41 | SP-42 | SP-43 | SP-44 | SP-45 | SP-46 | SP-47 | SP-48 | SP-49 | SP-50 | SP-51 | SP-52 | SP-53 | SP-54 | SP-55 | SP-56 | SP-57 | SP-58 | SP-59 | SP-60 | SP-61 | SP-62 | SP-63 | SP-64 | SP-65 | SP-66 | SP-67 | SP-68 | SP-69 | SP-70 | SP-71 | SP-72 | SP-73 | SP-74 | SP-75 | SP-76 | SP-77 | SP-78 | SP-79 | SP-80 | SP-81 | SP-82 | SP-83 | SP-84 | SP-85 | SP-86 | SP-87 | SP-88 | SP-89 | SP-90 | SP-91 | SP-92 | SP-93 | SP-94 | SP-95 | SP-96 | SP-97 | SP-98 | SP-99 | SP-100 | SP-101 | SP-102 | SP-103 | SP-104 | SP-105 | SP-106 | SP-107 | SP-108 | SP-109 | SP-110 | SP-111 | SP-112 | SP-113 | SP-114 | SP-115 | SP-116 | SP-117 | SP-118 | SP-119 | SP-120 | SP-121 | SP-122 | SP-123 | SP-124 | SP-125 | SP-126 | SP-127 | SP-128 | SP-129 | SP-130 | SP-131 | SP-132 | SP-133 | SP-134 | SP-135 | SP-136 | SP-137 | SP-138 | SP-139 | SP-140 | SP-141 | SP-142 | SP-143 | SP-144 | SP-145 | SP-146 | SP-147 | SP-148 | SP-149 | SP-150 | SP-151 | SP-152 | SP-153 | SP-154 | SP-155 | SP-156 | SP-157 | SP-158 | SP-159 | SP-160 | SP-161 | SP-162 | SP-163 | SP-164 | SP-165 | SP-166 | SP-167 | SP-168 | SP-169 | SP-170 | SP-171 | SP-172 | SP-173 | SP-174 | SP-175 | SP-176 | SP-177 | SP-178 | SP-179 | SP-180 | SP-181 | SP-182 | SP-183 | SP-184 | SP-185 | SP-186 | SP-187 | SP-188 | SP-189 | SP-190 | SP-191 | SP-192 | SP-193 | SP-194 | SP-195 | SP-196 | SP-197 | SP-198 | SP-199 | SP-200 | SP-201 | SP-202 | SP-203 | SP-204 | SP-205 | SP-206 | SP-207 | SP-208 | SP-209 | SP-210 | SP-211 | SP-212 | SP-213 | SP-214 | SP-215 | SP-216 | SP-217 | SP-218 | SP-219 | SP-220 | SP-221 | SP-222 | SP-223 | SP-224 | SP-225 | SP-226 | SP-227 | SP-228 | SP-229 | SP-230 | SP-231 | SP-232 | SP-233 | SP-234 | SP-235 | SP-236 | SP-237 | SP-238 | SP-239 | SP-240 | SP-241 | SP-242 | SP-243 | SP-244 | SP-245 | SP-246 | SP-247 | SP-248 | SP-249 | SP-250 | SP-251 | SP-252 | SP-253 | SP-254 | SP-255 | SP-256 | SP-257 | SP-258 | SP-259 | SP-260 | SP-261 | SP-262 | SP-263 | SP-264 | SP-265 | SP-266 | SP-267 | SP-268 | SP-269 | SP-270 | SP-271 | SP-272 | SP-273 | SP-274 | SP-275 | SP-276 | SP-277 | SP-278 | SP-279 | SP-280 | SP-281 | SP-282 | SP-283 | SP-284 | SP-285 | SP-286 | SP-287 | SP-288 | SP-289 | SP-290 | SP-291 | SP-292 | SP-293 | SP-294 | SP-295 | SP-296 | SP-297 | SP-298 | SP-299 | SP-300 | SP-301 | SP-302 | SP-303 | SP-304 | SP-305 | SP-306 | SP-307 | SP-308 | SP-309 | SP-310 | SP-311 | SP-312 | SP-313 | SP-314 | SP-315 | SP-316 | SP-317 | SP-318 | SP-319 | SP-320 | SP-321 | SP-322 | SP-323 | SP-324 | SP-325 | SP-326 | SP-327 | SP-328 | SP-329 | SP-330 | SP-331 | SP-332 | SP-333 | SP-334 | SP-335 | SP-336 | SP-337 | SP-338 | SP-339 | SP-340 | SP-341 | SP-342 | SP-343 | SP-344 | SP-345 | SP-346 | SP-347 | SP-348 | SP-349 | SP-350 | SP-351 | SP-352 | SP-353 | SP-354 | SP-355 | SP-356 | SP-357 | SP-358 | SP-359 | SP-360 | SP-361 | SP-362 | SP-363 | SP-364 | SP-365 | SP-366 | SP-367 | SP-368 | SP-369 | SP-370 | SP-371 | SP-372 | SP-373 | SP-374 | SP-375 | SP-376 | SP-377 | SP-378 | SP-379 | SP-380 | SP-381 | SP-382 | SP-383 | SP-384 | SP-385 | SP-386 | SP-387 | SP-388 | SP-389 | SP-390 | SP-391 | SP-392 | SP-393 | SP-394 | SP-395 | SP-396 | SP-397 | SP-398 | SP-399 | SP-400 | SP-401 | SP-402 | SP-403 | SP-404 | SP-405 | SP-406 | SP-407 | SP-408 | SP-409 | SP-410 | SP-411 | SP-412 | SP-413 | SP-414 | SP-415 | SP-416 | SP-417 | SP-418 | SP-419 | SP-420 | SP-421 | SP-422 | SP-423 | SP-424 | SP-425 | SP-426 | SP-427 | SP-428 | SP-429 | SP-430 | SP-431 | SP-432 | SP-433 | SP-434 | SP-435 | SP-436 | SP-437 | SP-438 | SP-439 | SP-440 | SP-441 | SP-442 | SP-443 | SP-444 | SP-445 | SP-446 | SP-447 | SP-448 | SP-449 | SP-450 | SP-451 | SP-452 | SP-453 | SP-454 | SP-455 | SP-456 | SP-457 | SP-458 | SP-459 | SP-460 | SP-461 | SP-462 | SP-463 | SP-464 | SP-465 | SP-466 | SP-467 | SP-468 | SP-469 | SP-470 | SP-471 | SP-472 | SP-473 | SP-474 | SP-475 | SP-476 | SP-477 | SP-478 | SP-479 | SP-480 | SP-481 | SP-482 | SP-483 | SP-484 | SP-485 | SP-486 | SP-487 | SP-488 | SP-489 | SP-490 | SP-491 | SP-492 | SP-493 | SP-494 | SP-495 | SP-496 | SP-497 | SP-498 | SP-499 | SP-500 | SP-501 | SP-502 | SP-503 | SP-504 | SP-505 | SP-506 | SP-507 | SP-508 | SP-509 | SP-510 | SP-511 | SP-512 | SP-513 | SP-514 | SP-515 | SP-516 | SP-517 | SP-518 | SP-519 | SP-520 | SP-521 | SP-522 | SP-523 | SP-524 | SP-525 | SP-526 | SP-527 | SP-528 | SP-529 | SP-530 | SP-531 | SP-532 | SP-533 | SP-534 | SP-535 | SP-536 | SP-537 | SP-538 | SP-539 | SP-540 | SP-541 | SP-542 | SP-543 | SP-544 | SP-545 | SP-546 | SP-547 | SP-548 | SP-549 | SP-550 | SP-551 | SP-552 | SP-553 | SP-554 | SP-555 | SP-556 | SP-557 | SP-558 | SP-559 | SP-560 | SP-561 | SP-562 | SP-563 | SP-564 | SP-565 | SP-566 | SP-567 | SP-568 | SP-569 | SP-570 | SP-571 | SP-572 | SP-573 | SP-574 | SP-575 | SP-576 | SP-577 | SP-578 | SP-579 | SP-580 | SP-581 | SP-582 | SP-583 | SP-584 | SP-585 | SP-586 | SP-587 | SP-588 | SP-589 | SP-590 | SP-591 | SP-592 | SP-593 | SP-594 | SP-595 | SP-596 | SP-597 | SP-598 | SP-599 | SP-600 | SP-601 | SP-602 | SP-603 | SP-604 | SP-605 | SP-606 | SP-607 | SP-608 | SP-609 | SP-610 | SP-611 | SP-612 | SP-613 | SP-614 | SP-615 | SP-616 | SP-617 | SP-618 | SP-619 | SP-620 | SP-621 | SP-622 | SP-623 | SP-624 | SP-625 | SP-626 | SP-627 | SP-628 | SP-629 | SP-630 | SP-631 | SP-632 | SP-633 | SP-634 | SP-635 | SP-636 | SP-637 | SP-638 | SP-639 | SP-640 | SP-641 | SP-642 | SP-643 | SP-644 | SP-645 | SP-646 | SP-647 | SP-648 | SP-649 | SP-650 | SP-651 | SP-652 | SP-653 | SP-654 | SP-655 | SP-656 | SP-657 | SP-658 | SP-659 | SP-660 | SP-661 | SP-662 | SP-663 | SP-664 | SP-665 | SP-666 | SP-667 | SP-668 | SP-669 | SP-670 | SP-671 | SP-672 | SP-673 | SP-674 | SP-675 | SP-676 | SP-677 | SP-678 | SP-679 | SP-680 | SP-681 | SP-682 | SP-683 | SP-684 | SP-685 | SP-686 | SP-687 | SP-688 | SP-689 | SP-690 | SP-691 | SP-692 | SP-693 | SP-694 | SP-695 | SP-696 | SP-697 | SP-698 | SP-699 | SP-700 | SP-701 | SP-702 | SP-703 | SP-704 | SP-705 | SP-706 | SP-707 | SP-708 | SP-709 | SP-710 | SP-711 | SP-712 | SP-713 | SP-714 | SP-715 | SP-716 | SP-717 | SP-718 | SP-719 | SP-720 | SP-721 | SP-722 | SP-723 | SP-724 | SP-725 | SP-726 | SP-727 | SP-728 | SP-729 | SP-730 | SP-731 | SP-732 | SP-733 | SP-734 | SP-735 | SP-736 | SP-737 | SP-738 | SP-739 | SP-740 | SP-741 | SP-742 | SP-743 | SP-744 | SP-745 | SP-746 | SP-747 | SP-748 | SP-749 | SP-750 | SP-751 | SP-752 | SP-753 | SP-754 | SP-755 | SP-756 | SP-757 | SP-758 | SP-759 | SP-760 | SP-761 | SP-762 | SP-763 | SP-764 | SP-765 | SP-766 | SP-767 | SP-768 | SP-769 | SP-770 | SP-771 | SP-772 | SP-773 | SP-774 | SP-775 | SP-776 | SP-777 | SP-778 | SP-779 | SP-780 | SP-781 | SP-782 | SP-783 | SP-784 | SP-785 | SP-786 | SP-787 | SP-788 | SP-789 | SP-790 | SP-791 | SP-792 | SP-793 | SP-794 | SP-795 | SP-796 | SP-797 | SP-798 | SP-799 | SP-800 | SP-801 | SP-802 | SP-803 | SP-804 | SP-805 | SP-806 | SP-807 | SP-808 | SP-809 | SP-810 | SP-811 | SP-812 | SP-813 | SP-814 | SP-815 | SP-816 | SP-817 | SP-818 | SP-819 | SP-820 | SP-821 | SP-822 | SP-823 | SP-824 | SP-825 | SP-826 | SP-827 | SP-828 | SP-829 | SP-830 | SP-831 | SP-832 | SP-833 | SP-834 | SP-835 | SP-836 | SP-837 | SP-838 | SP-839 | SP-840 | SP-841 | SP-842 | SP-843 | SP-844 | SP-845 | SP-846 | SP-847 | SP-848 | SP-849 | SP-850 | SP-851 | SP-852 | SP-853 | SP-854 | SP-855 | SP-856 | SP-857 | SP-858 | SP-859 | SP-860 | SP-861 | SP-862 | SP-863 | SP-864 | SP-865 | SP-866 | SP-867 | SP-868 | SP-869 | SP-870 | SP-871 | SP-872 | SP-873 | SP-874 | SP-875 | SP-876 | SP-877 | SP-878 | SP-879 | SP-880 | SP-881 | SP-882 | SP-883 | SP-884 | SP-885 | SP-886 | SP-887 | SP-888 | SP-889 | SP-890 | SP-891 | SP-892 | SP-893 | SP-894 | SP-895 | SP-896 | SP-897 | SP-898 | SP-899 | SP-900 | SP-901 | SP-902 | SP-903 | SP-904 | SP-905 | SP-906 | SP-907 | SP-908 | SP-909 | SP-910 | SP-911 | SP-912 | SP-913 | SP-914 | SP-915 | SP-916 | SP-917 | SP-918 | SP-919 | SP-920 | SP-921 | SP-922 | SP-923 | SP-924 | SP-925 | SP-926 | SP-927 | SP-928 | SP-929 | SP-930 | SP-931 | SP-932 | SP-933 | SP-934 | SP-935 | SP-936 | SP-937 | SP-938 | SP-939 | SP-940 | SP-941 | SP-942 | SP-943 | SP-944 | SP-945 | SP-946 | SP-947 | SP-948 | SP-949 | SP-950 | SP-951 | SP-952 | SP-953 | SP-954 | SP-955 | SP-956 | SP-957 | SP-958 | SP-959 | SP-960 | SP-961 | SP-962 | SP-963 | SP-964 | SP-965 | SP-966 | SP-967 | SP-968 | SP-969 | SP-970 | SP-971 | SP-972 | SP-973 | SP-974 | SP-975 | SP-976 | SP-977 | SP-978 | SP-979 | SP-980 | SP-981 | SP-982 | SP-983 | SP-984 | SP-985 | SP-986 | SP-987 | SP-988 | SP-989 | SP-990 | SP-991 | SP-992 | SP-993 | SP-994 | SP-995 | SP-996 | SP-997 | SP-998 |

Sampler Requisitioned:
Iain Oiness

Received By:
John Boone

Delivered by:
John Boone

REMARKS:
No glass

Label
Seal on jar

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Notes and Definitions

| | |
|------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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: 5/26/2006

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

Jeanne Mc Murray, 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 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.

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

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 |
|---|--------|--------------------|-------|-------------|---------------------------------------|------|-------------|-------|-----------|-------|
| Batch EE62210 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EE62210-BLK1) | | | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 100 | | % | | | | | | | |
| Duplicate (EE62210-DUP1) | | Source: 6E18023-02 | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 98.0 | | % | | 98.3 | | | 0.306 | 20 | |
| Duplicate (EE62210-DUP2) | | Source: 6E19003-02 | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 96.0 | | % | | 96.3 | | | 0.312 | 20 | |
| Duplicate (EE62210-DUP3) | | Source: 6E19003-28 | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 74.8 | | % | | 74.9 | | | 0.134 | 20 | |
| Duplicate (EE62210-DUP4) | | Source: 6E19005-01 | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 97.8 | | % | | 97.2 | | | 0.615 | 20 | |
| Duplicate (EE62210-DUP5) | | Source: 6E19011-12 | | | Prepared: 05/19/06 Analyzed: 05/22/06 | | | | | |
| % Solids | 99.7 | | % | | 99.5 | | | 0.201 | 20 | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------|-------------|---------------|------|-------------|---------|-----------|-------|
| Batch EE62422 - EPA 5030C (GC) | | | | | | | | | | |
| LCS (EE62422-BS1) | | | | | | | | | | |
| Prepared & Analyzed: 05/24/06 | | | | | | | | | | |
| Benzene | 1.09 | 0.0250 | mg/kg wet | 1.25 | | 87.2 | 80-120 | | | |
| Toluene | 1.13 | 0.0250 | " | 1.25 | | 90.4 | 80-120 | | | |
| Ethylbenzene | 1.27 | 0.0250 | " | 1.25 | | 102 | 80-120 | | | |
| Xylene (p/m) | 2.69 | 0.0250 | " | 2.50 | | 108 | 80-120 | | | |
| Xylene (o) | 1.37 | 0.0250 | " | 1.25 | | 110 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 44.2 | | ug/kg | 40.0 | | 110 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 42.4 | | " | 40.0 | | 106 | 80-120 | | | |
| Calibration Check (EE62422-CCV1) | | | | | | | | | | |
| Prepared: 05/24/06 Analyzed: 05/25/06 | | | | | | | | | | |
| Benzene | 45.6 | | ug/kg | 50.0 | | 91.2 | 80-120 | | | |
| Toluene | 43.3 | | " | 50.0 | | 86.6 | 80-120 | | | |
| Ethylbenzene | 56.9 | | " | 50.0 | | 114 | 80-120 | | | |
| Xylene (p/m) | 101 | | " | 100 | | 101 | 80-120 | | | |
| Xylene (o) | 51.3 | | " | 50.0 | | 103 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 40.2 | | " | 40.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 42.0 | | " | 40.0 | | 105 | 80-120 | | | |
| Matrix Spike (EE62422-MS1) | | | | | | | | | | |
| Source: 6E23009-02 Prepared: 05/24/06 Analyzed: 05/25/06 | | | | | | | | | | |
| Benzene | 1.15 | 0.0250 | mg/kg dry | 1.41 | ND | 81.6 | 80-120 | | | |
| Toluene | 1.26 | 0.0250 | " | 1.41 | ND | 89.4 | 80-120 | | | |
| Ethylbenzene | 1.39 | 0.0250 | " | 1.41 | ND | 98.6 | 80-120 | | | |
| Xylene (p/m) | 3.04 | 0.0250 | " | 2.81 | ND | 108 | 80-120 | | | |
| Xylene (o) | 1.53 | 0.0250 | " | 1.41 | ND | 109 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 38.3 | | ug/kg | 40.0 | | 95.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 43.0 | | " | 40.0 | | 108 | 80-120 | | | |
| Matrix Spike Dup (EE62422-MSD1) | | | | | | | | | | |
| Source: 6E23009-02 Prepared: 05/24/06 Analyzed: 05/25/06 | | | | | | | | | | |
| Benzene | 1.13 | 0.0250 | mg/kg dry | 1.41 | ND | 80.1 | 80-120 | 1.86 | 20 | |
| Toluene | 1.22 | 0.0250 | " | 1.41 | ND | 86.5 | 80-120 | 3.30 | 20 | |
| Ethylbenzene | 1.39 | 0.0250 | " | 1.41 | ND | 98.6 | 80-120 | 0.00 | 20 | |
| Xylene (p/m) | 2.96 | 0.0250 | " | 2.81 | ND | 105 | 80-120 | 2.82 | 20 | |
| Xylene (o) | 1.49 | 0.0250 | " | 1.41 | ND | 106 | 80-120 | 2.79 | 20 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 38.2 | | ug/kg | 40.0 | | 95.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 44.4 | | " | 40.0 | | 111 | 80-120 | | | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC - Quality Control

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|

Batch EE62308 - EPA 5030C (GC)

Calibration Check (EE62308-CCV1)

| | | | | Prepared: 05/23/06 | Analyzed: 05/25/06 |
|---|------|-------|------|--------------------|--------------------|
| Benzene | 43.2 | ug/kg | 50.0 | 86.4 | 80-120 |
| Toluene | 43.7 | " | 50.0 | 87.4 | 80-120 |
| Ethylbenzene | 56.7 | " | 50.0 | 113 | 80-120 |
| Xylene (p/m) | 101 | " | 100 | 101 | 80-120 |
| Xylene (o) | 51.3 | " | 50.0 | 103 | 80-120 |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 39.5 | " | 40.0 | 98.8 | 80-120 |
| Surrogate: 4-Bromofluorobenzene | 40.2 | " | 40.0 | 100 | 80-120 |

Matrix Spike (EE62308-MS1)

| | Source: 6E22002-01 | | Prepared: 05/23/06 | Analyzed: 05/24/06 |
|---|--------------------|------------------|--------------------|--------------------|
| Benzene | 1.08 | 0.0250 mg/kg dry | 1.34 | ND 80.6 |
| Toluene | 1.21 | 0.0250 " | 1.34 | ND 90.3 |
| Ethylbenzene | 1.45 | 0.0250 " | 1.34 | ND 108 |
| Xylene (p/m) | 2.98 | 0.0250 " | 2.67 | ND 112 |
| Xylene (o) | 1.52 | 0.0250 " | 1.34 | ND 113 |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 42.4 | ug/kg | 40.0 | 106 80-120 |
| Surrogate: 4-Bromofluorobenzene | 44.6 | " | 40.0 | 112 80-120 |

Matrix Spike Dup (EE62308-MSD1)

| | Source: 6E22002-01 | | Prepared: 05/23/06 | Analyzed: 05/25/06 |
|---|--------------------|------------------|--------------------|--------------------|
| Benzene | 1.09 | 0.0250 mg/kg dry | 1.34 | ND 81.3 |
| Toluene | 1.15 | 0.0250 " | 1.34 | ND 85.8 |
| Ethylbenzene | 1.31 | 0.0250 " | 1.34 | ND 97.8 |
| Xylene (p/m) | 2.87 | 0.0250 " | 2.67 | ND 107 |
| Xylene (o) | 1.43 | 0.0250 " | 1.34 | ND 107 |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 42.2 | ug/kg | 40.0 | 106 80-120 |
| Surrogate: 4-Bromofluorobenzene | 42.6 | " | 40.0 | 106 80-120 |

Batch EE62422 - EPA 5030C (GC)

Blank (EE62422-BLK1)

| | | Prepared & Analyzed: 05/24/06 |
|---|------|-------------------------------|
| 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: <i>a,a,a</i> -Trifluorotoluene | 44.0 | ug/kg |
| Surrogate: 4-Bromofluorobenzene | 41.4 | " |

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Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC - Quality Control

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|

Batch EE62209 - Solvent Extraction (GC)

| Matrix Spike (EE62209-MS1) | Source: 6E19011-05 | Prepared: 05/22/06 | Analyzed: 05/24/06 |
|-------------------------------|--------------------|--------------------|--------------------|
| Carbon Ranges C6-C12 | 538 | 10.0 mg/kg dry | 505 ND 107 75-125 |
| Carbon Ranges C12-C28 | 551 | 10.0 " | 505 ND 109 75-125 |
| Total Hydrocarbon nC6-nC35 | 1090 | 10.0 " | 1010 ND 108 75-125 |
| Surrogate: 1-Chlorooctane | 58.9 | mg/kg | 50.0 118 70-130 |
| Surrogate: 1-Chlorooctadecane | 58.4 | " | 50.0 117 70-130 |

| Matrix Spike Dup (EE62209-MSD1) | Source: 6E19011-05 | Prepared: 05/22/06 | Analyzed: 05/24/06 |
|---------------------------------|--------------------|--------------------|-----------------------------|
| Carbon Ranges C6-C12 | 546 | 10.0 mg/kg dry | 505 ND 108 75-125 1.48 20 |
| Carbon Ranges C12-C28 | 555 | 10.0 " | 505 ND 110 75-125 0.723 20 |
| Total Hydrocarbon nC6-nC35 | 1100 | 10.0 " | 1010 ND 109 75-125 0.913 20 |
| Surrogate: 1-Chlorooctane | 59.8 | mg/kg | 50.0 120 70-130 |
| Surrogate: 1-Chlorooctadecane | 59.2 | " | 50.0 118 70-130 |

Batch EE62308 - EPA 5030C (GC)

| Blank (EE62308-BLK1) | Prepared & Analyzed: 05/23/06 | | | | |
|-----------------------------------|-------------------------------|--------|-----------|-----|--------|
| 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 | 42.7 | ug/kg | 40.0 | 107 | 80-120 |
| Surrogate: 4-Bromofluorobenzene | 44.8 | " | 40.0 | 112 | 80-120 |

| LCS (EE62308-BS1) | Prepared & Analyzed: 05/23/06 | | | | |
|-----------------------------------|-------------------------------|--------|-----------|------|-------------|
| Benzene | 1.08 | 0.0250 | mg/kg wet | 1.25 | 86.4 80-120 |
| Toluene | 1.12 | 0.0250 | " | 1.25 | 89.6 80-120 |
| Ethylbenzene | 1.28 | 0.0250 | " | 1.25 | 102 80-120 |
| Xylene (p/m) | 2.73 | 0.0250 | " | 2.50 | 109 80-120 |
| Xylene (o) | 1.38 | 0.0250 | " | 1.25 | 110 80-120 |
| Surrogate: a,a,a-Trifluorotoluene | 46.3 | ug/kg | 40.0 | 116 | 80-120 |
| Surrogate: 4-Bromofluorobenzene | 45.4 | " | 40.0 | 114 | 80-120 |

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Reported:
05/26/06 08:59

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-----------|-------|

Batch EE62208 - Solvent Extraction (GC)

| Matrix Spike Dup (EE62208-MSD1) | Source: 6E19003-42 | | Prepared: 05/22/06 | | Analyzed: 05/23/06 | | | | |
|---------------------------------|--------------------|------|--------------------|------|--------------------|------|--------|-------|----|
| Carbon Ranges C6-C12 | 561 | 10.0 | mg/kg dry | 585 | ND | 95.9 | 75-125 | 0.178 | 20 |
| Carbon Ranges C12-C28 | 586 | 10.0 | " | 585 | ND | 100 | 75-125 | 0.171 | 20 |
| Total Hydrocarbon nC6-nC35 | 1150 | 10.0 | " | 1170 | ND | 98.3 | 75-125 | 0.00 | 20 |
| Surrogate: 1-Chlorooctane | 54.5 | | mg/kg | 50.0 | | 109 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 51.8 | | " | 50.0 | | 104 | 70-130 | | |

Batch EE62209 - Solvent Extraction (GC)

| Blank (EE62209-BLK1) | | | Prepared: 05/22/06 | | Analyzed: 05/24/06 | |
|-------------------------------|------|------|--------------------|------|--------------------|--------|
| 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 Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | |
| Surrogate: 1-Chlorooctane | 55.1 | | mg/kg | 50.0 | 110 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 58.1 | | " | 50.0 | 116 | 70-130 |

| LCS (EE62209-BS1) | | | Prepared: 05/22/06 | | Analyzed: 05/24/06 | |
|-------------------------------|------|------|--------------------|------|--------------------|--------|
| Carbon Ranges C6-C12 | 545 | 10.0 | mg/kg wet | 500 | 109 | 75-125 |
| Carbon Ranges C12-C28 | 556 | 10.0 | " | 500 | 111 | 75-125 |
| Total Hydrocarbon nC6-nC35 | 1100 | 10.0 | " | 1000 | 110 | 75-125 |
| Surrogate: 1-Chlorooctane | 61.2 | | mg/kg | 50.0 | 122 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 59.4 | | " | 50.0 | 119 | 70-130 |

| Calibration Check (EE62209-CCV1) | | | Prepared: 05/22/06 | | Analyzed: 05/24/06 | |
|----------------------------------|------|--|--------------------|------|--------------------|--------|
| Carbon Ranges C6-C12 | 284 | | mg/kg | 250 | 114 | 80-120 |
| Carbon Ranges C12-C28 | 289 | | " | 250 | 116 | 80-120 |
| Total Hydrocarbon nC6-nC35 | 573 | | " | 500 | 115 | 80-120 |
| Surrogate: 1-Chlorooctane | 57.3 | | " | 50.0 | 115 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 58.9 | | " | 50.0 | 118 | 70-130 |

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1301 S. County Road 1150
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Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/26/06 08:59

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-------------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|---------|-------------|

Batch EE62208 - Solvent Extraction (GC)

Blank (EE62208-BLK1) Prepared: 05/22/06 Analyzed: 05/23/06

| | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|-----|--------|--|--|
| 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 Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | |
| Surrogate: 1-Chlorooctane | 51.4 | | mg/kg | 50.0 | | 103 | 70-130 | | |
| Surrogate: 1-Chlorooctadecane | 53.0 | | " | 50.0 | | 106 | 70-130 | | |

LCS (EE62208-BS1) Prepared: 05/22/06 Analyzed: 05/23/06

| | | | | | | |
|-------------------------------|------|------|-----------|------|------|--------|
| Carbon Ranges C6-C12 | 485 | 10.0 | mg/kg wet | 500 | 97.0 | 75-125 |
| Carbon Ranges C12-C28 | 500 | 10.0 | " | 500 | 100 | 75-125 |
| Total Hydrocarbon nC6-nC35 | 985 | 10.0 | " | 1000 | 98.5 | 75-125 |
| Surrogate: 1-Chlorooctane | 54.3 | | mg/kg | 50.0 | 109 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 52.0 | | " | 50.0 | 104 | 70-130 |

Calibration Check (EE62208-CCV1) Prepared: 05/22/06 Analyzed: 05/23/06

| | | | | | | |
|-------------------------------|------|--|-------|------|-----|--------|
| Carbon Ranges C6-C12 | 282 | | mg/kg | 250 | 113 | 80-120 |
| Carbon Ranges C12-C28 | 278 | | " | 250 | 111 | 80-120 |
| Total Hydrocarbon nC6-nC35 | 560 | | " | 500 | 112 | 80-120 |
| Surrogate: 1-Chlorooctane | 50.0 | | " | 50.0 | 100 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 51.6 | | " | 50.0 | 103 | 70-130 |

Matrix Spike (EE62208-MS1) Source: 6E19003-42 Prepared: 05/22/06 Analyzed: 05/23/06

| | | | | | | | |
|-------------------------------|------|------|-----------|------|----|------|--------|
| Carbon Ranges C6-C12 | 562 | 10.0 | mg/kg dry | 585 | ND | 96.1 | 75-125 |
| Carbon Ranges C12-C28 | 585 | 10.0 | " | 585 | ND | 100 | 75-125 |
| Total Hydrocarbon nC6-nC35 | 1150 | 10.0 | " | 1170 | ND | 98.3 | 75-125 |
| Surrogate: 1-Chlorooctane | 54.7 | | mg/kg | 50.0 | | 109 | 70-130 |
| Surrogate: 1-Chlorooctadecane | 51.9 | | " | 50.0 | | 104 | 70-130 |

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Reported:
05/26/06 08:59

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| SP-12 (6E19011-12) Soil | | | | | | | | | |
| % Moisture | 0.5 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-13 (6E19011-13) Soil | | | | | | | | | |
| % Moisture | 0.5 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-14 (6E19011-14) Soil | | | | | | | | | |
| % Moisture | 0.6 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-15 (6E19011-15) Soil | | | | | | | | | |
| % Moisture | 2.8 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-16 (6E19011-16) Soil | | | | | | | | | |
| % Moisture | 4.8 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-17 (6E19011-17) Soil | | | | | | | | | |
| % Moisture | 2.3 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-18 (6E19011-18) Soil | | | | | | | | | |
| % Moisture | 1.7 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-19 (6E19011-19) Soil | | | | | | | | | |
| % Moisture | 2.6 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-20 (6E19011-20) Soil | | | | | | | | | |
| % Moisture | 1.9 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |

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Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| SP-1 (6E19011-01) Soil | | | | | | | | | |
| % Moisture | 1.7 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-2 (6E19011-02) Soil | | | | | | | | | |
| % Moisture | 1.6 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-3 (6E19011-03) Soil | | | | | | | | | |
| % Moisture | 0.8 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-4 (6E19011-04) Soil | | | | | | | | | |
| % Moisture | 1.1 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-5 (6E19011-05) Soil | | | | | | | | | |
| % Moisture | 1.0 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-6 (6E19011-06) Soil | | | | | | | | | |
| % Moisture | 0.7 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-7 (6E19011-07) Soil | | | | | | | | | |
| % Moisture | 0.8 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-8 (6E19011-08) Soil | | | | | | | | | |
| % Moisture | 1.0 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-9 (6E19011-09) Soil | | | | | | | | | |
| % Moisture | 2.6 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-10 (6E19011-10) Soil | | | | | | | | | |
| % Moisture | 2.2 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |
| SP-11 (6E19011-11) Soil | | | | | | | | | |
| % Moisture | 0.8 | 0.1 | % | 1 | EE62210 | 05/19/06 | 05/22/06 | % calculation | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting | | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|----------|-----------|-----------|-------|-------|----------|----------|----------|-----------|--------|-------|
| SP-18 (6E19011-18) Soil | | | | | | | | | | | |
| Carbon Ranges C12-C28 | 4230 | 10.0 | mg/kg dry | 1 | " | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | | |
| Carbon Ranges C28-C35 | 446 | 10.0 | " | " | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 5800 | 10.0 | " | " | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 118 % | 70-130 | | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 121 % | 70-130 | | " | " | " | " | " | " | |
| SP-19 (6E19011-19) Soil | | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | " | EE62422 | 05/24/06 | 05/25/06 | 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 | | 101 % | 80-120 | | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 80-120 | | " | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | " | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | | |
| Carbon Ranges C12-C28 | J [5.58] | 10.0 | " | " | " | " | " | " | " | " | J |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 102 % | 70-130 | | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 107 % | 70-130 | | " | " | " | " | " | " | |
| SP-20 (6E19011-20) Soil | | | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | " | EE62422 | 05/24/06 | 05/25/06 | 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 | | 97.0 % | 80-120 | | " | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 84.8 % | 80-120 | | " | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | " | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 130 % | 70-130 | | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 129 % | 70-130 | | " | " | " | " | " | " | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-16 (6E19011-16) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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 | 99.5 % | 80-120 | | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 110 % | 80-120 | | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | 105 % | 70-130 | | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | 110 % | 70-130 | | " | " | " | " | " | |
| SP-17 (6E19011-17) Soil | | | | | | | | | |
| Benzene | J [0.0117] | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | EPA 8021B | J |
| Toluene | 0.216 | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | 0.944 | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 1.83 | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | 0.191 | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | 120 % | 80-120 | | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 155 % | 80-120 | | " | " | " | " | " | S-04 |
| Carbon Ranges C6-C12 | 1020 | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 3410 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 335 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 4760 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | 112 % | 70-130 | | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | 118 % | 70-130 | | " | " | " | " | " | |
| SP-18 (6E19011-18) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62422 | 05/24/06 | 05/25/06 | EPA 8021B | |
| Toluene | 0.240 | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | 0.833 | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 2.46 | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | 0.274 | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | 110 % | 80-120 | | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 144 % | 80-120 | | " | " | " | " | " | S-04 |
| Carbon Ranges C6-C12 | 1120 | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-13 (6E19011-13) Soil | | | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | mg/kg dry | I | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 96.8 % | 70-130 | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 102 % | 70-130 | " | " | " | " | " | |
| SP-14 (6E19011-14) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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 | | 98.0 % | 80-120 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 112 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | I | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 81.7 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 12.9 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 94.6 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 103 % | 70-130 | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 109 % | 70-130 | " | " | " | " | " | |
| SP-15 (6E19011-15) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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 | | 99.8 % | 80-120 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 111 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | I | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 102 % | 70-130 | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 107 % | 70-130 | " | " | " | " | " | |

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1301 S. County Road 1150
Midland TX, 79706-4476

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-11 (6E19011-11) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 106 % | 80-120 | " | " | " | " | " | " |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 112 % | 80-120 | " | " | " | " | " | " |
| Carbon Ranges C6-C12 | 276 | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 3730 | 10.0 | " | " | " | " | " | " | " |
| Carbon Ranges C28-C35 | 416 | 10.0 | " | " | " | " | " | " | " |
| Total Hydrocarbon nC6-nC35 | 4420 | 10.0 | " | " | " | " | " | " | " |
| <i>Surrogate: 1-Chlorooctane</i> | | 114 % | 70-130 | " | " | " | " | " | " |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 115 % | 70-130 | " | " | " | " | " | " |
| SP-12 (6E19011-12) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 102 % | 80-120 | " | " | " | " | " | " |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 113 % | 80-120 | " | " | " | " | " | " |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 97.0 | 10.0 | " | " | " | " | " | " | " |
| Carbon Ranges C28-C35 | 18.5 | 10.0 | " | " | " | " | " | " | " |
| Total Hydrocarbon nC6-nC35 | 116 | 10.0 | " | " | " | " | " | " | " |
| <i>Surrogate: 1-Chlorooctane</i> | | 109 % | 70-130 | " | " | " | " | " | " |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 115 % | 70-130 | " | " | " | " | " | " |
| SP-13 (6E19011-13) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 97.2 % | 80-120 | " | " | " | " | " | " |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 109 % | 80-120 | " | " | " | " | " | " |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |

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1301 S. County Road 1150
Midland TX, 79706-4476

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-8 (6E19011-08) Soil | | | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 113 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 117 % | 70-130 | " | " | " | " | " | |
| SP-9 (6E19011-09) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 102 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 100 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 107 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 113 % | 70-130 | " | " | " | " | " | |
| SP-10 (6E19011-10) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 108 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 102 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 50.0 | mg/kg dry | 5 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 232 | 50.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 50.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 232 | 50.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 19.7 % | 70-130 | " | " | " | " | " | S-06 |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 21.0 % | 70-130 | " | " | " | " | " | S-06 |

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Reported:
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Organics by GC
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| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-6 (6E19011-06) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 109 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 102 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 98.2 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 103 % | 70-130 | " | " | " | " | " | |
| SP-7 (6E19011-07) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 108 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 99.0 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 101 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 107 % | 70-130 | " | " | " | " | " | |
| SP-8 (6E19011-08) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 107 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 98.2 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |

Environmental Lab of Texas

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-3 (6E19011-03) Soil | | | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | mg/kg dry | 1 | EE62208 | 05/22/06 | 05/23/06 | EPA 8015M | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 102 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 107 % | 70-130 | " | " | " | " | " | |
| SP-4 (6E19011-04) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 110 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 104 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 100 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 105 % | 70-130 | " | " | " | " | " | |
| SP-5 (6E19011-05) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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> | | 104 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 100 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62209 | 05/22/06 | 05/24/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 106 % | 70-130 | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 112 % | 70-130 | " | " | " | " | " | |

Environmental Lab of Texas

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

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-----------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SP-1 (6E19011-01) Soil | | | | | | | | | |
| Benzene | J 0.0174 | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/23/06 | EPA 8021B | J |
| Toluene | J 0.0177 | 0.0250 | " | " | " | " | " | " | J |
| Ethylbenzene | 0.0365 | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 0.0627 | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 104 % | 80-120 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62208 | 05/22/06 | 05/23/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 400 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 56.0 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 456 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 97.0 % | 70-130 | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 103 % | 70-130 | " | " | " | " | " | |
| SP-2 (6E19011-02) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/23/06 | EPA 8021B | |
| Toluene | ND | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | 0.0414 | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 0.102 | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | 0.0584 | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 104 % | 80-120 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 163 % | 80-120 | " | " | " | " | " | S-04 |
| Carbon Ranges C6-C12 | 279 | 10.0 | mg/kg dry | 1 | EE62208 | 05/22/06 | 05/23/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 2350 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 259 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 2890 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 109 % | 70-130 | " | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 115 % | 70-130 | " | " | " | " | " | |
| SP-3 (6E19011-03) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EE62308 | 05/23/06 | 05/24/06 | 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 | | 114 % | 80-120 | " | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 80-120 | " | " | " | " | " | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EE62208 | 05/22/06 | 05/23/06 | EPA 8015M | |

Environmental Lab of Texas

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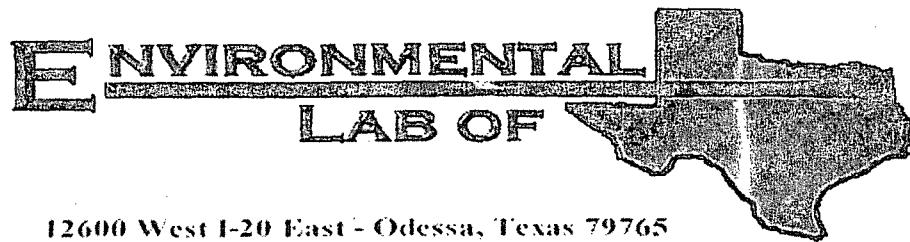
Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: South Mattix
Project Number: 2000-10410
Project Manager: Camille Reynolds

Fax: (432) 687-4914
Reported:
05/26/06 08:59

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SP-1 | 6E19011-01 | Soil | 05/18/06 09:55 | 05/19/06 12:35 |
| SP-2 | 6E19011-02 | Soil | 05/18/06 10:05 | 05/19/06 12:35 |
| SP-3 | 6E19011-03 | Soil | 05/18/06 10:15 | 05/19/06 12:35 |
| SP-4 | 6E19011-04 | Soil | 05/18/06 10:25 | 05/19/06 12:35 |
| SP-5 | 6E19011-05 | Soil | 05/18/06 10:35 | 05/19/06 12:35 |
| SP-6 | 6E19011-06 | Soil | 05/18/06 10:45 | 05/19/06 12:35 |
| SP-7 | 6E19011-07 | Soil | 05/18/06 10:55 | 05/19/06 12:35 |
| SP-8 | 6E19011-08 | Soil | 05/18/06 11:05 | 05/19/06 12:35 |
| SP-9 | 6E19011-09 | Soil | 05/18/06 11:15 | 05/19/06 12:35 |
| SP-10 | 6E19011-10 | Soil | 05/18/06 11:25 | 05/19/06 12:35 |
| SP-11 | 6E19011-11 | Soil | 05/18/06 11:35 | 05/19/06 12:35 |
| SP-12 | 6E19011-12 | Soil | 05/18/06 11:45 | 05/19/06 12:35 |
| SP-13 | 6E19011-13 | Soil | 05/18/06 11:55 | 05/19/06 12:35 |
| SP-14 | 6E19011-14 | Soil | 05/18/06 12:45 | 05/19/06 12:35 |
| SP-15 | 6E19011-15 | Soil | 05/18/06 12:55 | 05/19/06 12:35 |
| SP-16 | 6E19011-16 | Soil | 05/18/06 13:05 | 05/19/06 12:35 |
| SP-17 | 6E19011-17 | Soil | 05/18/06 13:15 | 05/19/06 12:35 |
| SP-18 | 6E19011-18 | Soil | 05/18/06 13:25 | 05/19/06 12:35 |
| SP-19 | 6E19011-19 | Soil | 05/18/06 13:35 | 05/19/06 12:35 |
| SP-20 | 6E19011-20 | Soil | 05/18/06 13:45 | 05/19/06 12:35 |



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: South Mattix

Project Number: 2000-10410

Location: UL-G, Sec. 15, T 24 S, R 37 E

Lab Order Number: 6E19011

Report Date: 05/26/06

NETL-Y5
m/c

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

| | | |
|---|---|---|
| Client: Environmental Plus, Inc. Attn: Jason Siegemoller | Project ID: 2000-10410 Sample Name: MW-1 | Report#/Lab ID#: 189663 Sample Matrix: water |
|---|---|---|

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limits | Date Analyzed | Data Qualifiers |
|-----------------------|--------|----------|-----------------|---------------|-----------------|
| 1,2-Dichloroethane-d4 | 8260b | 98.4 | 70-130 | 12/27/06 | --- |
| Toluene-d8 | 8260b | 101 | 80-125 | 12/27/06 | --- |

Data Qualifiers: D=Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Jason Stegemoller
Address: PO Box 1538
 Eunice NM 88231
Phone: 505-394-3481 **FAX:** 505-394-2601

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ |
|------------------------------|--------|-------|------------------|-------|----------|---------------------|
| Volatile organics-8260b/BTEX | --- | --- | --- | --- | 12/27/06 | 8260b(S030/S035) |
| Benzene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b |
| Ethylbenzene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b |
| m,p-Xylenes | <2 | µg/L | 2 | <2 | 12/27/06 | 8260b |
| o-Xylene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b |
| Toluene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b |

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

Amy C. Hurd
 A. C. Hurd, Technical Director (or designee)

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

| | | | |
|------------------|------------|--------------|----------|
| Report#/Lab ID#: | 189663 | Report Date: | 12/27/06 |
| Project ID: | 2000-10410 | | |
| Sample Name: | MW-1 | | |
| Sample Matrix: | water | | |
| Date Received: | 12/26/2006 | Time: | 12:00 |
| Date Sampled: | 12/22/2006 | Time: | 07:45 |

QUALITY ASSURANCE DATA 1

| | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | Data Qual. ⁷ | Prec. ² | Recov. ³ | CCV ⁴ | LCS ⁴ |
|------------------------------|--------|-------|------------------|-------|----------|---------------------|-------------------------|--------------------|---------------------|------------------|------------------|
| Volatile organics-8260b/BTEX | --- | --- | --- | --- | 12/27/06 | 8260b(S030/S035) | --- | --- | --- | --- | --- |
| Benzene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b | --- | 3.1 | 96.3 | 95.9 | 94.8 |
| Ethylbenzene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b | --- | 0 | 109.6 | 109.6 | 109 |
| m,p-Xylenes | <2 | µg/L | 2 | <2 | 12/27/06 | 8260b | --- | 0.2 | 102.4 | 102.8 | 102.8 |
| o-Xylene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b | --- | 3.5 | 110.8 | 111.9 | 110.8 |
| Toluene | <1 | µg/L | 1 | <1 | 12/27/06 | 8260b | --- | 1.1 | 90.8 | 84.1 | 88.2 |

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Analysis

| Company Name | | Bill To: | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-------------------------------|----------|----------|--------------------------|------------------|------|-------|-----------|----------|-------|--------|------------|------|---|------------|-------|-----------|-----------|------------------------------|---|------|----|-----|-----------|----------|--|--|--|--|--|--|--|--|
| EPI Project Manager | Jason Stegemoller | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Facility Name | South Mattix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location | UL-G, Sec. 15, T 24 S, R 37 E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Reference | 2000-10410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EPI Sampler Name | Jacob Melancon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB I.D. | SAMPLE I.D. | MATRIX | PRESERV. | SAMPLING | TIME | DATE | OTHER | ACID/BASE | ICE/COOL | OTHER | SLUDGE | CRAUDE OIL | SOIL | GROUND WATER | WASTEWATER | OTHER | ICCE/BASE | TPH 8015M | CHLORIDES (Cl ⁻) | SULFATES (SO ₄ ²⁻) | TCLP | PH | PAH | OTHER >>> | ANALYSIS | | | | | | | | |
| 188601MW-1 | | G | X | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Relinquished: | | Date | 11/30 | Received By: | Freddy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: | | Date | | Received By: (lab staff) | 12-2-00 10:00 AM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered by: | | Date | | Sample, Cool & intact | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Time | | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | E-mail results to: jstegemoller@envplus.net and creynolds@paalp.com | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | T. L. C. | | | | | | | | | | | | | | | | | | | |

Exceptions Report:

| | | | |
|-------------------|--------------------------|---------|-------------------|
| Report #/Lab ID#: | 188860 | Matrix: | water |
| Client: | Environmental Plus, Inc. | Attn: | Jason Stegemoller |
| Project ID: | 2000-10410 | | |
| Sample Name: | MW - 1 | | |

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- Sample received in appropriate container(s) and appear to be appropriately preserved.
- Sample received in appropriate container(s). State of sample preservation unknown.
- Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (e.g. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

| Parameter | Qualif | Comment |
|------------------------------|--------|--|
| Volatile organics-8260b/BTEX | H | Hold time for this parameter exceeded. Sample received from client with insufficient time to assure completion within hold-time. |
| Benzene | J | See J-flag discussion above. |

Notes:

Environmental Plus, Inc.

Client: Environmental Plus, Inc.
Attn: Jason Siegmoller

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limits | Date Analyzed | Data Qualifiers |
|-----------------------|--------|----------|-----------------|---------------|-----------------|
| 1,2-Dichloroethane-d4 | 8260b | 94.1 | 70-130 | 12/06/06 | --- |
| Toluene-d8 | 8260b | 104 | 80-125 | 12/06/06 | --- |

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Project ID: 2000-10410
Sample Name: MW-1
Report# / Lab ID#: 188860
Sample Matrix: water

777L4545
#7C.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Jason Stegemoller
Address: PO Box 1558
Eunice NM 88231

Phone: 505-394-3481 FAX: 505-394-2601

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | 8260b(5030/5035) | Data Qual. ⁷ | Prec. ² | Reov. ³ | CCV ⁴ | LCS ⁴ |
|------------------------------|--------|-------|------------------|-------|----------|---------------------|------------------|-------------------------|--------------------|--------------------|------------------|------------------|
| Volatile organics-8260b/BTEX | --- | | --- | | 12/06/06 | 8260b | | --- | --- | --- | --- | --- |
| Benzene | <1 | µg/L | 1 | <1 | 12/06/06 | 8260b | | J | 1.2 | 103.7 | 100.6 | 95.9 |
| Ethylbenzene | <1 | µg/L | 1 | <1 | 12/06/06 | 8260b | | --- | 1.1 | 109.4 | 110.5 | 104.2 |
| m,p-Xylenes | >2 | µg/L | 2 | >2 | 12/06/06 | 8260b | | --- | 1.4 | 109.3 | 106.6 | 104.1 |
| o-Xylene | <1 | µg/L | 1 | <1 | 12/06/06 | 8260b | | --- | 1.2 | 110.9 | 104.1 | 105.8 |
| Toluene | <1 | µg/L | 1 | <1 | 12/06/06 | 8260b | | --- | 2 | 106.8 | 111.5 | 96.8 |

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

Amy C. Hurd

A. C. Hurd, Technical Director (or designee)

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Reov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD recoveries exceed advisory limits. P =precision higher than advisory limit. M =Matrix interference.

| | |
|---------------------------|-----------------------|
| Report#/Lab ID#: 188860 | Report Date: 12/06/06 |
| Project ID: 2000-10410 | |
| Sample Name: MW-1 | |
| Sample Matrix: water | |
| Date Received: 12/02/2006 | Time: 10:00 |
| Date Sampled: 11/21/2006 | Time: 07:10 |

| QUALITY ASSURANCE DATA 1 | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | --- | --- | --- |

THE ENVIRONMENTAL PLUS, INC.

P.O. Box 1558, Eunice, NM 88231

LAB: Analysis

Chain of Custody Form

Page 1 of 1

Exceptions Report:

| | | | |
|-------------------|--------------------------|---------|-------------|
| Report #/Lab ID#: | 184167 | Matrix: | water |
| Client: | Environmental Plus, Inc. | Attn: | Iain Olness |
| Project ID#: | 2000-10410 | | |
| Sample Name: | MW-1 | | |

Sample Temperature/Condition:

$\leq 6^{\circ}\text{C}$. The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Bottles & Preservation:

- Sample received in appropriate container(s) and appear to be appropriately preserved.
- Sample received in appropriate container(s). State of sample preservation unknown.
- Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/banks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organic results may or MAY NOT have been verified as to the presence and relative ratio of target ions (e.g. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

| Parameter | Qualif | Comment |
|-----------|--------|------------------------------|
| o-Xylene | J | See J flag discussion above. |

Notes:

6770LY645

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

| | | | |
|---------|--------------------------|--------------|------------|
| Client: | Environmental Plus, Inc. | Project ID: | 2000-10410 |
| Attn: | Iain Ohness | Sample Name: | MW-1 |

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limits | Date Analyzed | Data Qualifiers |
|-----------------------|--------|----------|-----------------|---------------|-----------------|
| 1,2-Dichloroethane-d4 | 8260b | 108 | 70-130 | 08/19/06 | --- |
| Toluene-d8 | 8260b | 98 | 80-125 | 08/19/06 | --- |

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report# /Lab ID#: 184167
Sample Matrix: water

ANALYSIS
INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness
Address: 2100 Ave. O
 Eunice,
 NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | Data Qual. ⁷ | Prec. ² | Reov. ³ | CCV ⁴ | LCS ⁴ |
|------------------------------|--------|-------|------------------|-------|----------|---------------------|-------------------------|--------------------|--------------------|------------------|------------------|
| Volatile organics-8260b/BTEX | --- | --- | --- | <1 | 08/19/06 | 8260b(5030/5035) | --- | --- | --- | --- | --- |
| Benzene | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 5.3 | 98.4 | 91.5 | 96.6 |
| Ethylbenzene | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 12.3 | 109.8 | 101.3 | 105.9 |
| m,p-Xylenes | <2 | µg/L | 2 | <2 | 08/19/06 | 8260b | --- | 11.1 | 109.1 | 100.6 | 105.7 |
| o-Xylene | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | J | 6.7 | 107.6 | 101.8 | 108.8 |
| Toluene | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 5.8 | 104.8 | 95.6 | 102.9 |

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (% difference between duplicate measurements. 3. Recovery (Reov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

| | | | |
|--------------------------|------------|--------------|----------|
| Report#/ Lab ID#: | 184167 | Report Date: | 08/21/06 |
| Project ID#: | 2000-10410 | | |
| Sample Name: | MW-1 | | |
| Sample Matrix: | water | | |
| Date Received: | 08/6/2006 | Time: | 08:30 |
| Date Sampled: | 08/10/2006 | Time: | 07:30 |

QUALITY ASSURANCE DATA 1

| | Result | Units | RQL ⁵ | Blank | Date | Method | Data Qual. ⁷ | Prec. ² | Reov. ³ | CCV ⁴ | LCS ⁴ |
|--|--------|-------|------------------|-------|----------|--------|-------------------------|--------------------|--------------------|------------------|------------------|
| | --- | --- | --- | <1 | 08/19/06 | 8260b | --- | --- | --- | --- | --- |
| | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 5.3 | 98.4 | 91.5 | 96.6 |
| | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 12.3 | 109.8 | 101.3 | 105.9 |
| | <2 | µg/L | 2 | <2 | 08/19/06 | 8260b | --- | 11.1 | 109.1 | 100.6 | 105.7 |
| | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | J | 6.7 | 107.6 | 101.8 | 108.8 |
| | <1 | µg/L | 1 | <1 | 08/19/06 | 8260b | --- | 5.8 | 104.8 | 95.6 | 102.9 |

Exceptions Report:

Report #/Lab ID#: 180756 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2000-10410

Sample Name: MW-1

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- Sample received in appropriate container(s) and appear to be appropriately preserved.
- Sample received in appropriate container(s). State of sample preservation unknown.
- Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

| Parameter | Qualif | Comment |
|--------------|--------|------------------------------|
| Benzene | J | See J-flag discussion above. |
| Ethylbenzene | J | See J-flag discussion above. |
| m,p-Xylenes | J | See J-flag discussion above. |
| o-Xylene | J | See J-flag discussion above. |

Notes:

Q170L4S4S
REC

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2000-10410
Sample Name: MW-1

Report#Lab ID#: 180756
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limit | Date Analyzed | Data Qualifiers |
|-----------------------|--------|----------|----------------|---------------|-----------------|
| 1,2-Dichloroethane-d4 | 8260b | 104 | 70-130 | 05/31/06 | -- |
| Toluene-d8 | 8260b | 94.1 | 80-125 | 05/31/06 | -- |

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSIS REPORT

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness
Address: 2100 Ave. O
Eunice,
NM 88231
Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 180756 Report Date: 06/01/06
Project ID: 2000-10410
Sample Name: MW-1
Sample Matrix: water
Date Received: 05/26/2006 Time: 14:55
Date Sampled: 05/24/2006 Time: 09:45

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | Data Qual. ⁷ | Prec. ⁷ | Recov. ³ | CCV ⁴ | LCS ⁴ |
|------------------------------|--------|-------|------------------|-------|----------|---------------------|-------------------------|--------------------|---------------------|------------------|------------------|
| Volatile organics-8260b/BTEX | --- | | --- | | 05/31/06 | 8260b(5030/5035) | --- | --- | --- | --- | --- |
| Benzene | <1 | µg/L | 1 | <1 | 05/31/06 | 8260b | J | 0.8 | 86.2 | 98.6 | 92.4 |
| Ethylbenzene | <1 | µg/L | 1 | <1 | 05/31/06 | 8260b | J | 0.3 | 98.7 | 101.8 | 95.9 |
| m,p-Xylenes | <2 | µg/L | 2 | <2 | 05/31/06 | 8260b | J | 0.2 | 98.2 | 102.4 | 96.4 |
| o-Xylene | <1 | µg/L | 1 | <1 | 05/31/06 | 8260b | J | 5.4 | 103.7 | 108.8 | 91.6 |
| Toluene | <1 | µg/L | 1 | <1 | 05/31/06 | 8260b | --- | 4.4 | 90.7 | 94.4 | 89 |

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Environmental Plus, Inc.

P.O. Box 21100 Avenue O, Eunice, NM 88231
(505) 394-3481 EAX: (505) 394-2601

P.O. Box 1558, Eunice, NW 88231

Chain of Custody Form

LAB: Analysis

| ANALYSIS REQUEST | | | | | | | | | | | |
|---------------------|-------------------------------|--------------------------|--------------|-----------|-----------|----------|--------|------|-----------|-----------|------|
| Company Name | | Environmental Plus, Inc. | | | | | | | | | |
| EPI Project Manager | Iain Olness | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Facility Name | South Mattix | | | | | | | | | | |
| Location | UL-G, Sec. 15, T 24 S, R 37 E | | | | | | | | | | |
| Project Reference | 2000-10410 | | | | | | | | | | |
| EPI Sampler Name | George Blackburn | | | | | | | | | | |
| LAB I.D. | SAMPLE I.D. | MATRIX | | PRESERV. | | SAMPLING | | TIME | DATE | | |
| | | (g)RAB OR (C)OMR | # CONTAINERS | ACID/BASE | IC/E/COOL | OTHER: | SLUDGE | | | CRAVE OIL | SOIL |
| 1768361 | MW-1 | 4 | X | X | X | X | X | | 14-Feb-06 | 16:15 | X |
| 1768372 | MW-1 | 2 | X | X | X | X | X | | 15-Feb-06 | 7:00 | X |
| | | 3 | | | | | | | | | |
| | | 4 | | | | | | | | | |
| | | 5 | | | | | | | | | |
| | | 6 | | | | | | | | | |
| | | 7 | | | | | | | | | |
| | | 8 | | | | | | | | | |
| | | 9 | | | | | | | | | |
| | | 10 | | | | | | | | | |

Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648.

Bill To:

PLAINS
ALL AMERICAN
PIPELINE, L.P.

CHLORIDES (Cl⁻)
SULFATES (SO₄²⁻)
TPH 8015M
BTEX 8021B
pH
TCLP
OTHER ???
PAH

REMARKS:
E-mail results to: iolness@envplus.net and creynolds@paalp.com
T.S.S.C

| | | |
|--|--|--|
| Sample Requisitioned by: <i>Iain Olness</i> | Date 1/16/06 Time 06:30 | Received By: Date 1/17/06 Time 08:30 |
| Delivered by: <i>John Thompson</i> | Sample Cool & Intact Yes Yes No No | Checked By: Date 1/17/06 Time 08:30 |

Exceptions Report:

Report #/Lab ID#: 176837 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2000-10410
Sample Name: MW-1

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- Sample received in appropriate container(s) and appear to be appropriately preserved.
- Sample received in appropriate container(s). State of sample preservation unknown.
- Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

| Parameter | Qualifier | Comment |
|-----------------------|-----------|--|
| ABN Extraction-PAH | H | Hold time for this parameter exceeded by /impErr* days. |
| A/BN Extraction-PAH | P | The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits. |
| Acenaphthylene | P | The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits. |
| Benzol[g,h]perylene | J | See J-flag discussion above. |
| Dibenz[a,h]anthracene | J | See J-flag discussion above. |
| Fluoranthene | P | The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits. |
| Naphthalene | S,M | MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. |
| Naphthalene | S,M | Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample. |
| Pyrene | P | The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits. |

Notes:

ENVIRONMENTAL PLUS INC.

Client: Environmental Plus, Inc.
Attn: Alan Ohness

Project ID: 2000-10410
Sample Name: MW-1

3512 Montopolis Drive, Austin, TX 78744 &
2299 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 0 FAX (512) 385-7411

Report# /Lab ID#: 176837
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limits | Date Analyze | Data Qualifiers |
|---------------------|-------------|----------|-----------------|--------------|-----------------|
| 1-Fluoronaphthalene | 610 & 8270c | 36 | 20-120 | 03/01/06 | --- |
| 2-Fluorobiphenyl | 610 & 8270c | 39.2 | 20-110 | 03/01/06 | --- |

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys
HPLC

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Ian Ohness
Address: 2100 Ave. O
Eunice,
NM 88231
Phone: (505) 394-3481 FAX: (505) 394-2601

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | Data Qual. ⁷ | Prec. ² | Recov. ³ | CCV ⁴ | LCS ⁴ |
|--------------------------|--------|-------|------------------|-------|----------|---------------------|-------------------------|--------------------|---------------------|------------------|------------------|
| A/B/N Extraction-PAH | --- | --- | --- | --- | 02/22/06 | 3520 | --- | --- | --- | --- | --- |
| Extractable organics-PAH | --- | --- | --- | --- | 03/01/06 | 610 & 8270C | --- | --- | --- | --- | --- |
| Acenaphthene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 43 | 36.8 | 100.7 | 50 |
| Acenaphthylene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | P | 43 | 35.9 | 101.2 | 49.6 |
| Anthracene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 38.9 | 35.7 | 99.2 | 51.5 |
| Benzofluanthracene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 39.1 | 38.9 | 97.3 | 56.9 |
| Benzol[a]pyrene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 36.3 | 29.3 | 102.4 | 59.7 |
| Benzol[b]fluoranthene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 36.3 | 30.3 | 104.5 | 62 |
| Benzol[g,h]perylene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | J | 23.8 | 21.1 | 109.2 | 59.4 |
| Benzol[j,k]fluoranthene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 34.1 | 27.9 | 102.2 | 59.4 |
| Chrysene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 38.6 | 50.1 | 98.7 | 77.8 |
| Dibenz[a,h]anthracene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | J | 21.5 | 23.9 | 104.5 | 66.6 |
| Fluoranthene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | P | 43.1 | 41 | 97.8 | 53.8 |
| Fluorene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 44.2 | 31.2 | 99.7 | 49.6 |
| Indeno[1,2,3-cd]pyrene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 29.1 | 22.5 | 107.1 | 60.7 |
| Naphthalene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | S,M | 39.5 | 28.5 | 104.4 | 48.9 |
| Phenanthrene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | --- | 39.7 | 31.8 | 99.7 | 50 |
| Pyrene | <0.05 | µg/L | 0.05 | <0.05 | 03/01/06 | 610 & 8270C | P | 40.7 | 42.1 | 101.5 | 56 |

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.


Richard Elton

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Exceptions Report:

Report #/Lab ID#: 176836 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Ohness
Project ID: 2000-10410
Sample Name: MW-1

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- Sample received in appropriate container(s) and appear to be appropriately preserved.
- Sample received in appropriate container(s). State of sample preservation unknown.
- Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

| Parameter | Qualif | Comment |
|--------------|--------|--|
| Benzene | S,M | MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. |
| Benzene | S,M | Frequently indicative of high level of analyte in sample spiked, masking spike recovery with no analyte found in sample. |
| Benzene | J | See J-flag discussion above. |
| Ethylbenzene | S,M | MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. |
| Ethylbenzene | S,M | Frequently indicative of high level of analyte in sample spiked, masking spike recovery with no analyte found in sample. |
| m,p-Xylenes | J | See J-flag discussion above. |

Notes:

Environmental Plus, Inc.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

| | | | | | |
|---------|--------------------------|--------------|------------|------------------|--------|
| Client: | Environmental Plus, Inc. | Project ID: | 2000-10410 | Report#/Lab ID#: | 176836 |
| Attn: | Iain Ohness | Sample Name: | MW-1 | Sample Matrix: | water |

REPORT OF SURROGATE RECOVERY

| Surrogate Compound | Method | Recovery | Recovery Limits | Date Analyze | Data Qualifiers |
|-----------------------|--------|----------|-----------------|--------------|-----------------|
| 1,2-Dichloroethane-d4 | 8260b | 94.8 | 76-122 | 02/22/06 | -- |
| Toluene-d8 | 8260b | 101.7 | 78-117 | 02/22/06 | -- |

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys
Analytical Services3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness
Address: 2100 Ave. O
 Eunice,
 NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

REPORT OF ANALYSIS

| Parameter | Result | Units | RQL ⁵ | Blank | Date | Method ⁶ | Data Qual. ⁷ | Prec. ² | Recov. ³ | CCV ⁴ | LCS ⁴ |
|------------------------------|-------------|-------|------------------|-------|----------|---------------------|-------------------------|--------------------|---------------------|------------------|------------------|
| Volatile organics-8260b/BTEX | --- | --- | --- | --- | 02/22/06 | 8260b(5030/5035) | --- | --- | --- | --- | --- |
| Benzene | <1 | µg/L | 1 | <1 | 02/22/06 | 8260b | J,S,M | 10.3 | Mt.Intf. | 106.7 | 108.3 |
| Ethylbenzene | 1.65 | µg/L | 1 | <1 | 02/22/06 | 8260b | S,M | 6.4 | 95.1 | 112.3 | 116.1 |
| m,p-Xylenes | >2 | µg/L | 2 | >2 | 02/22/06 | 8260b | J | 4.8 | 98.4 | 117.5 | 114.3 |
| o-Xylene | <1 | µg/L | 1 | <1 | 02/22/06 | 8260b | --- | 3.8 | 115.7 | 119.9 | -NA- |
| Toluene | <1 | µg/L | 1 | <1 | 02/22/06 | 8260b | --- | 1 | 101.5 | 109.5 | 110.1 |

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

 Richard Elton

1. Quality assurance data is for the sample batch which included this sample.
 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements.
 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample.
 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix.
 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method.
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Report# / Lab ID#: 176836 Report Date: 03/02/06

Project ID: 2000-10410

Sample Name: MW-1

Sample Matrix: water

Date Received: 02/17/2006

Time: 08:30

Date Sampled: 02/14/2006

Time: 16:15

QUALITY ASSURANCE DATA 1

APPENDIX C

NMOCD Approval Letter for
Soil Characterization
and
Interim Remediation Plan (January 2006)



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

January 30, 2006

Ms. Camille Reynolds
Plains All American Pipeline, L.P.
3112 West Highway 82
Lovington, NM 88260

RE: Soil Characterization Report and Interim Remediation Plan
Prepared by Environmental Plus, Inc. and Dated January 2006
Plains All American Pipeline, L.P. South Mattix Release Site
Plains Reference 2000-10410 Located in the
SW/4 NE/4 of Section 15, Township 24 South, Range 37 East
NMPM, Lea County New Mexico
NMOCD Reference Number 1R-0091

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has reviewed the above plan submitted by Plains All American Pipeline, L.P. (Plains). This plan is hereby approved with the following understandings and conditions:

1. Plains will complete an excavation, five feet below ground surface, in the area outlined in Figure 9 or the plan.
2. Samples will be collected from the sidewalls of such excavation. Such samples shall be analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene and xylene (BTEX). Sample analyses results shall be submitted to the NMOCD Santa Fe office prior to the installation of any impermeable barrier in the bottom of the excavation or backfilling operations.
3. Upon further approval by the NMOCD, Plains will install an impermeable barrier in the base of the excavation to prevent further migration of contaminants. Material to be used for this barrier shall be proposed in the report referred to in #2 above.
4. Upon further NMOCD approval, Plains will backfill the excavation with clay and caliche.
5. Groundwater monitoring shall continue at this site.

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin
Environmental Bureau

Copy: Iain Olness, EPI

APPENDIX D

NMOCD Final C-141 Form

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 March 17, 1999

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 All American Pipeline | Contact: Camille Reynolds |
| Address: 3112 W. Hwy 82, Lovington, NM 88260 | Telephone No.: 505-396-3341 |
| Facility Name: South Mattix #2000-10410 | Facility Type: Crude oil pump sump |
| Surface Owner: Grobe | Mineral Owner: Lease No.: |

LOCATION OF RELEASE

| Unit Letter G | Section 15 | Township T24S | Range R37E | Feet from the | North/South Line | Feet from the | East/West Line | County: Lea |
|------------------|---------------|------------------|---------------|---------------|------------------|---------------|----------------|-------------|
|------------------|---------------|------------------|---------------|---------------|------------------|---------------|----------------|-------------|

Latitude: N32° 13' 01.19" Longitude: W103° 08' 57.1"

NATURE OF RELEASE

| | | |
|--|---|--|
| Type of Release: Crude Oil | Volume of Release: unknown | Volume Recovered: 0 barrels |
| Source of Release: Crude oil pump & sump | Date and Hour of Occurrence: Historical | Date and Hour of Discovery: December 2000 |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? NA | Date and Hour: NA | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse: NA | |

If a Watercourse was Impacted, Describe Fully:*

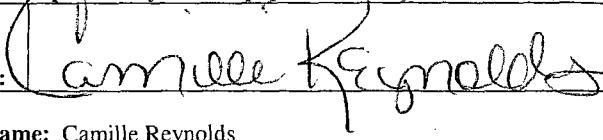
NA

Describe Cause of Problem and Remedial Action Taken:*

Historical crude oil pump & sump leaks

Describe Area Affected and Cleanup Action Taken: * Impacted area of ~656-sq. ft. (20' x 30'). Remedial Goals: TPH 8015m = 1,000 mg/Kg for soil from the surface to 40'bgs & 100 mg/Kg for soil from 40'bgs to 90'bgs, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg. Approximately 1,176 yd³ was excavated from an area of approximately 2,900-sq. ft. to a depth of 5-feet bgs and transported to Plains' Lea Station Landfarm for treatment. A 2-foot thick, impermeable, compacted clay barrier was placed in the excavation floor to isolate residual subsurface hydrocarbon impacted soils. The excavation was then backfilled with clean caliche and graded to promote natural drainage. Quarterly groundwater monitoring and groundwater laboratory analyses has indicated no PSH, as well as BTEX and PAH concentrations below hydrocarbon groundwater remedial goals for 8 consecutive quarters.

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:  | <u>OIL CONSERVATION DIVISION</u> | |
| Printed Name: Camille Reynolds | Approved by District Supervisor: | |
| E-mail Address: CJReynolds@paalp.com | Approval Date: | Expiration Date: |
| Title: Remediation Coordinator | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: Phone: 505-396-3341 | | |

* Attach Additional Sheets If Necessary