AP - 37

STAGE 1 & 2 REPORTS

DATE: 3/2006

PLAINS
ALL AMERICAN
PIPELINE, L.P.

AP-037

2005 ANNUAL MONITORING REPORT

PLAINS PIPELINE, L.P.
LOVINGTON DEEP 6"
PLAINS REF: 2002-10312
(COMPANY #231735)

SE¼ OF THE NE¼ OF SECTION 6, TOWNSHIP 17 SOUTH, RANGE 36 EAST
LEA COUNTY, NEW MEXICO

~5.8 MILES SOUTHWEST (195°) OF
LOVINGTON, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 52' 1.13" LONGITUDE: W103° 23' 16.6"

MARCH 2006

PREPARED BY:

Environmental Plus, Inc.

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Distribution List

2005 Annual Monitoring Report

Plains Pipeline, L.P.

Lovington Deep 6" (Ref. #2002-10312)

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File	- -	Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	iolness@envplus.net

STANDARD OF CARE

Annual Monitoring Report

Lovington Deep 6"
Ref. # 2002-10312

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:

Iain A. Olness, P.G.
Hydrogeologist

1 March 2006
Date

This report was reviewed by:

David Duncan
Environmental Consultant

1 March 2006
Date

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FIGURES

FIGURES (continued)

TABLES

APPENDIX

I Background and Previous Remedial Activities

The Lovington Deep 6" release site is located approximately 5.8 miles southwest of Lovington in Lea County, New Mexico, at an elevation of approximately 3,912 feet above mean sea level (reference Figures 1 and 2). The release occurred on property owned by Darr Angell and is utilized as pasture land. The site is located in a rural area within the West Lovington oil field, with no residences or surface water within a 1,000-foot radius of the release site. The remediation area is surrounded by a barbed wire fence and is gated.

In December 2002, a release of approximately 25 barrels of crude oil, of which ten barrels were recovered, occurred at the site due to corrosion (internal and/or external) of the pipeline. Approximately 6,000 square feet (ft^2) of surface area was impacted by the release. Surficial soil impacted by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

In an effort to delineate the extent of impacted soil at the site, six soil borings were advanced at the site to depths of approximately 75 feet below ground surface (bgs). During the advancement of the soil borings, groundwater encountered at approximately 65 feet bgs was found to be impacted by the release. Based on this, five of the soil borings were completed as groundwater monitoring wells in order to monitor groundwater impacts at the site.

An *Annual Monitoring Report* was submitted to the NMOCD in April 2004 documenting the results of gauging, PSH recovery efforts and sampling of the groundwater monitoring well network during 2003. Analytical results for samples collected from the groundwater monitoring well network during the initial sampling event conducted during 2003 indicated benzene concentrations ranged from 38.5 micrograms per liter (µg/L) to 7,480 µg/L, above the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standard of 10 µg/L. In addition, reported concentrations for toluene and total xylenes in the sample collected from groundwater monitoring well MW-3 were above the NMWQCC Groundwater Standards of 750 µg/L and 620 µg/L, respectively. Analytical results for samples collected during the second sampling event conducted during 2003 indicated benzene concentrations ranged from 1.24 µg/L to 9,740 µg/L. Benzene concentrations were below the NMWQCC Groundwater Standard of 10 µg/L for three wells; however, reported benzene concentrations in the sample collected from groundwater monitoring well MW-3 were in excess of the NMWQCC Groundwater Standard of 10 µg/L. In addition, reported concentrations for ethylbenzenes in the sample collected from groundwater monitoring well MW-3 were above the NMWQCC Groundwater Standard of 750 µg/L. Phase separated hydrocarbons (PSH) were detected on the water column in groundwater monitoring well MW-2 during 2003, ranging from 7.73 feet in June to 4.42 feet in November. Although documentation pertaining to the quantity of PSH recovered during 2003 is incomplete, it was estimated that approximately 70 gallons were recovered.

A *Stage I and Stage II Abatement Plan* was submitted to the NMOCD in August 2004 and NMOCD approval was received in April 2005 (reference *Appendix B).*

During November and December 2004, six additional groundwater monitoring wells (MW-6 through MW-11) were installed to further delineate the lateral extents of groundwater impacts at the site (reference *Figure 3*).

An *Annual Monitoring Report* was submitted to the NMOCD in March 2005 documenting the results of the gauging, PSH recovery efforts and sampling of the groundwater monitoring well network during 2004. Analytical results for samples collected during sampling events conducted in 2004 indicated contaminant concentrations remained essentially unchanged from 2003. Analytical results indicated the lateral extent of contamination had not been fully defined as evidenced by analytical results for the samples collected from groundwater monitoring wells MW-1, MW-7 and MW-10. PSH levels in the impacted groundwater monitoring well (MW-2) generally showed a decrease during the year, with the exception of the increase seen at the beginning of October 2004. Approximately 203 gallons of PSH were recovered from groundwater monitoring well MW-2 during 2004. Except for minor fluctuations, groundwater levels generally remained stable during the first two-thirds of 2004, experienced a sharp increase during the end of September, decreased through the beginning of November and increased the remainder of the year. Based on data collected during the four sampling events, groundwater is flowing easterly.

II Field Activities

Site visits were made on January 10, January 25, February 18, May 3, and December 18, 2005 to guage water and phase-separated hydrocarbon (PSH) levels in groundwater monitoring well MW-2 and recover PSH present in the well casing. In addition, the remaining groundwater monitoring wells were gauged to determine the depth to groundwater and to check for the presence of PSH.

Site visits were made on March 30, May 20, August 23, and November 22, 2004 to complete the aforementioned activities and to collect samples for laboratory analyses.

III Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and the thickness of any PSH. Except for minor fluctuations, groundwater levels have risen an average of approximately 0.20 feet during 2005 (reference *Figures 15* and *16*). PSH levels in impacted groundwater monitoring well MW-2 have generally remained steady during the past year. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the four sampling events, groundwater is flowing easterly (reference Figures 17, 19, 21 and 23) and is consistent with historical data.

IV PSH Recovery

Recovery of the PSH present on the groundwater surface in the vicinity of groundwater monitoring well MW-2 was accomplished via hand bailing during the past year. A total of 77.5

gallons of PSH were recovered during the past year, resulting in a cumulative recovery of approximately 350 gallons to date.

V Groundwater Sampling

The groundwater monitoring well network, with the exception of groundwater monitoring well MW-2, was sampled on March 30, May 20, August 23 and November 22, 2005, and the samples submitted for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8260b. In addition, the samples collected on August 23, 2005 were submitted for the quantification of polycyclic aromatic hydrocarbons (PAH) using EPA Methods 610 and 8270c.

All wells were purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers. Samples were then placed in laboratory provided containers, put on ice and shipped to an independent laboratory under standard chain-of-custody protocols for analyses.

VI Groundwater Analytical Results

Analytical results for samples collected from groundwater monitoring well MW-1 were reported as non-detectable (ND) for all analytes, at or above each analytes respective laboratory method detection limits (MDL) for all sampling events conducted in 2005 (reference *Figure 4, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-3 indicated benzene concentrations ranged from 4,410 µg/L to 25,700 µg/L, toluene concentrations ranging from 76.3 µg/L to 744 µg/L, ethylbenzene concentrations ranging from 403 µg/L to 2,280 µg/L and total xylene concentrations ranging from 26.7 µg/L to 1,837 µg/L. Benzene concentrations were reported above NMWQCC Groundwater Standards for all four sampling events conducted during 2005. In addition, ethylbenzene and total xylene concentrations were reported above the NMWQCC Groundwater Standard for the sample collected on May 20, 2005. All other analytes were reported at concentrations below the NMWQCC groundwater standards for all samples (reference *Figure 6, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-4 indicated benzene concentrations ranged from non-detectable (ND) at or above laboratory MDL to 3.89 µg/L. Analytical results for all other analytes were reported as ND at or above each analytes respective MDL for all sampling events conducted during 2005 (reference *Figure 7, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-5 indicated benzene concentrations ranged from ND at or above laboratory MDL to 2.17 µg/L. Analytical results for all other analytes were reported as ND at or above each analytes respective MDL for all sampling events conducted during 2005 (reference *Figure 8, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-6 were reported as ND for all analytes, at or above each analytes respective MDL for all sampling events conducted in 2005, with the exception of the sample collected on August 23, 2005. Analytical results for this sample indicated the presence of toluene and naphthalene at 1.12 µg/L and 0.109 µg/L, respectively (reference *Figure 9, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-7 were reported as ND for all analytes, at or above each analytes respective MDL for all sampling events conducted in 2005, with the exception of the sample collected on March 30, 2005. Analytical results for this sample indicated the presence of benzene and toluene at 5.32 µg/L and 2.65 µg/L, respectively (reference *Figure 9, Table 2, Table 3* and *Appendix A*).

Analytical results for the samples collected from groundwater monitoring wells MW-8 and MW-9 were reported as ND for all analytes, at or above each analytes respective laboratory MDL for all sampling events conducted in 2005 (reference *Figure 11, Figure 12, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-10 indicated benzene concentrations ranged from 116 µg/L to 13,900 µg/L, toluene concentrations ranging from 889 µg/L to 1,640 µg/L, ethylbenzene concentrations ranging from 578 µg/L to 901 µg/L and total xylene concentrations ranging from 742 µg/L to 1,950 µg/L. BTEX concentrations were reported above the respective NMWQCC Groundwater Standards for all four sampling events conducted during 2005, with the exception of ethylbenzene concentrations reported for the final sampling event of 2005. Analytical results for the sample collected on August 23, 2005 also indicated the presence of naphthalene (32 µg/L), fluorene (0.698 µg/L), phenanthrene (0.405 µg/L) and anthracene (0.429 µg/L). Only naphthalene concentrations (32 µg/L) were reported above the NMWQCC Groundwater Standard of 30 µg/L (reference *Figure 13, Table 2, Table 3* and *Appendix A*).

Analytical results for samples collected from groundwater monitoring well MW-11 indicated benzene concentrations ranged from 1.13 µg/L to 3.07 µg/L. Analytical results for all other analytes were reported as ND at or above each analytes respective MDL for all sampling events conducted during 2005 (reference *Figure 14, Table 2, Table 3* and *Appendix A*).

VII Additional Activities Completed During 2005

In response to the NMOCD's request in the *Annual Monitoring Report Recommendations Approval Letter* (April 6, 2005), a *Soil Closure Letter Report* was completed and submitted to the NMOCD on September 23, 2005. The report recommended backfilling the excavation as proposed in the *Stage 1 and Stage 2 Abatement Plan* previously submitted, with the exception of soil sampling activities. On October 20, 2005, the NMOCD approved the *Soil Closure Letter Report* and associated recommendations; however, they required the sampling activities to be completed (reference *Appendix D*).

VIII Conclusions

Analytical results for 2005 indicated contaminant concentrations decreased in samples collected from groundwater monitoring wells MW-1, MW-4, MW-5, MW-7 and MW-10, remained ND in samples collected from groundwater monitoring wells MW-6, MW-8 and MW-10 and increased slightly in samples collected from groundwater monitoring wells MW-3 and MW-11 from 2004. Analytical results for 2005 indicated only samples collected from groundwater monitoring wells MW-3 and MW-10 were impacted above NMWQCC Groundwater Standards.

PSH levels in the impacted groundwater monitoring well (MW-2) have generally remained steady during the past year. Approximately 77.5 gallons of PSH were recovered from groundwater monitoring well MW-2 during 2005. Except for minor fluctuations, groundwater levels have raised an average of approximately 0.20 feet during 2005. Based on data collected during the four sampling events, groundwater is flowing easterly.

IX Recommendations

Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the past two years, the following changes are recommended in the sampling protocol:

1) Increase site visitation from semi-monthly to weekly to implement a more aggressive PSH recovery schedule, until such time the proposed automated recovery system is installed.

2) Gauge all groundwater monitoring wells for water levels and the presence of PSH on a semi-monthly basis.

3) Sample the groundwater monitoring well network on a quarterly basis and submit the samples for quantification of BTEX. The samples should be analyzed annually for the presence of PAH. Please reference Table 4 for a summary of groundwater sampling recommendations for the site. In the event PSH are not detected during a quarterly sampling event in a groundwater monitoring well currently impacted with PSH, said well will be included in the sampling schedule as outlined in Table 4.

4) Install an additional groundwater monitoring well at the site to further delineate the lateral extent of groundwater impacts (reference *Figure 25*).

5) The excavation is scheduled to be backfilled during the second or third quarter of 2006. Prior to backfilling the excavation, soil samples will be collected from the stockpiled soil per NMOCD requirements (reference *Appendices B* and *C*). Upon completion of backfilling activities, three to five additional recovery wells will be installed and an automated product recovery system will be installed.

FIGURES

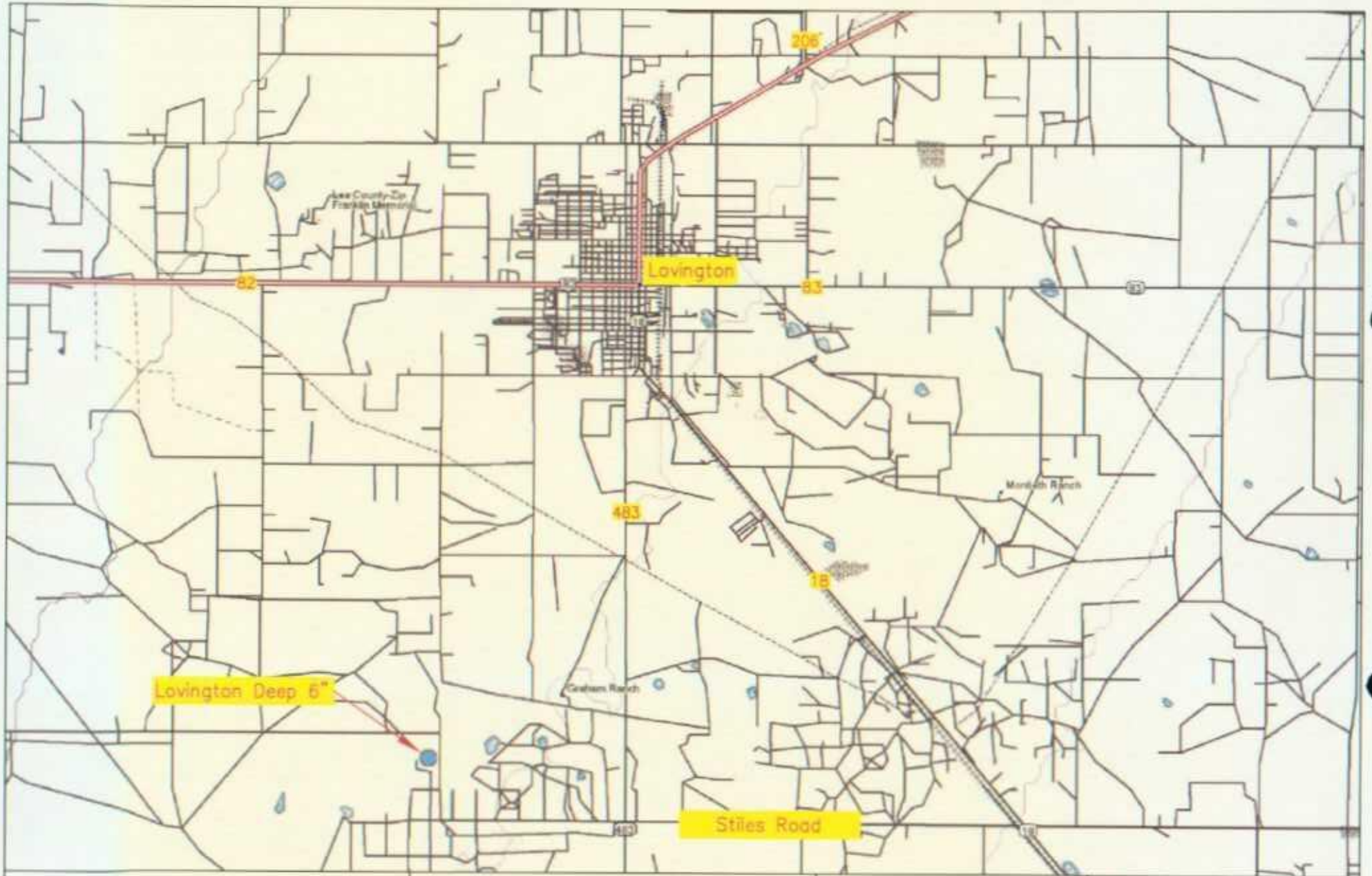

Figure 1
Area Map
Plains Pipeline, L.P.
Lovington Deep 6"
EMS #2002-10312

Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E
N 32° 52' 1.13" W 103° 23' 16.6"
Elevation: 3,912 feet amsl

DWG By: Iain Olness
March 2005

REVISED:

0 1.5 3.0
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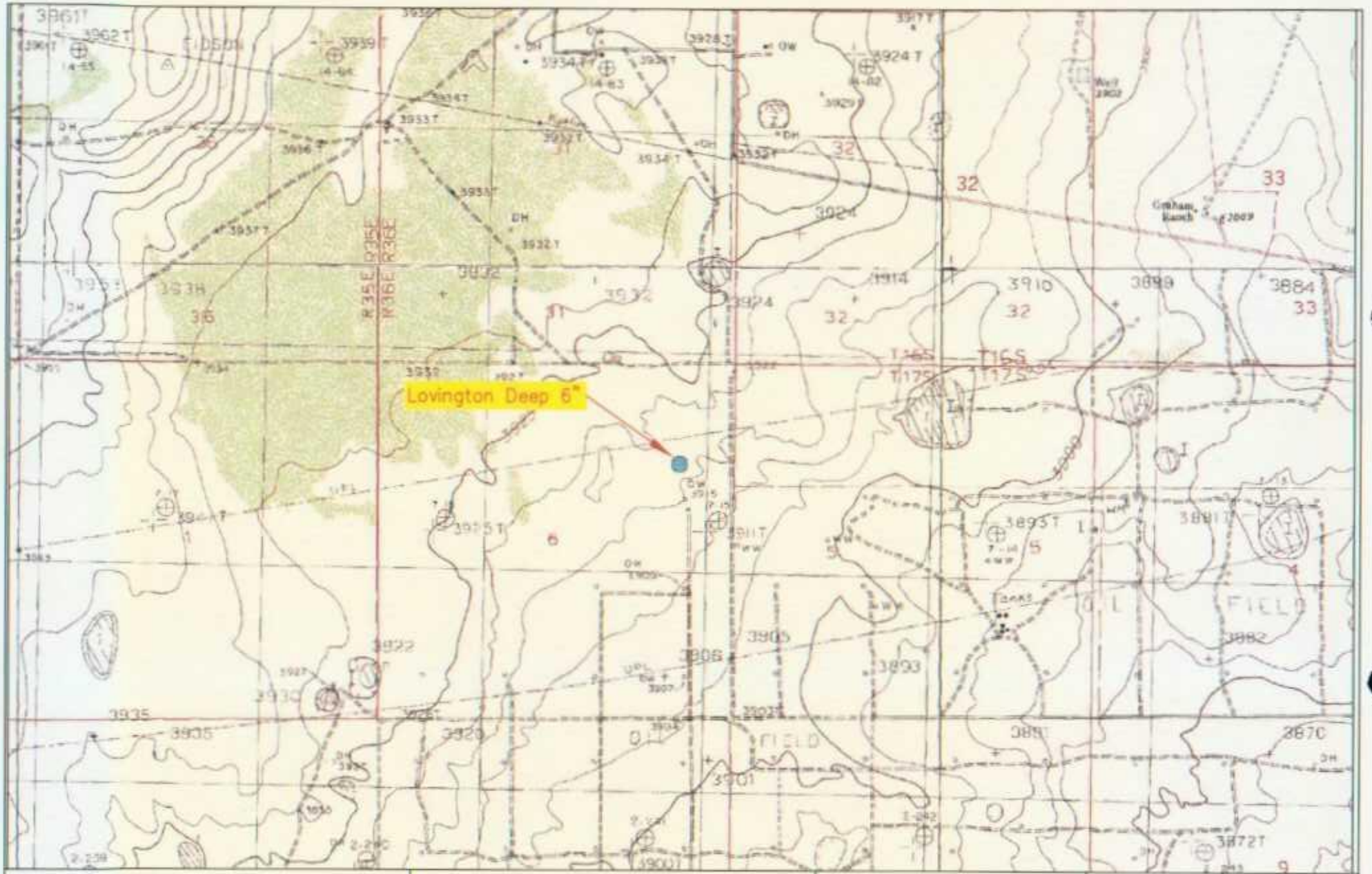

Figure 2 Site Location Map Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness March 2005	REVISED:	N
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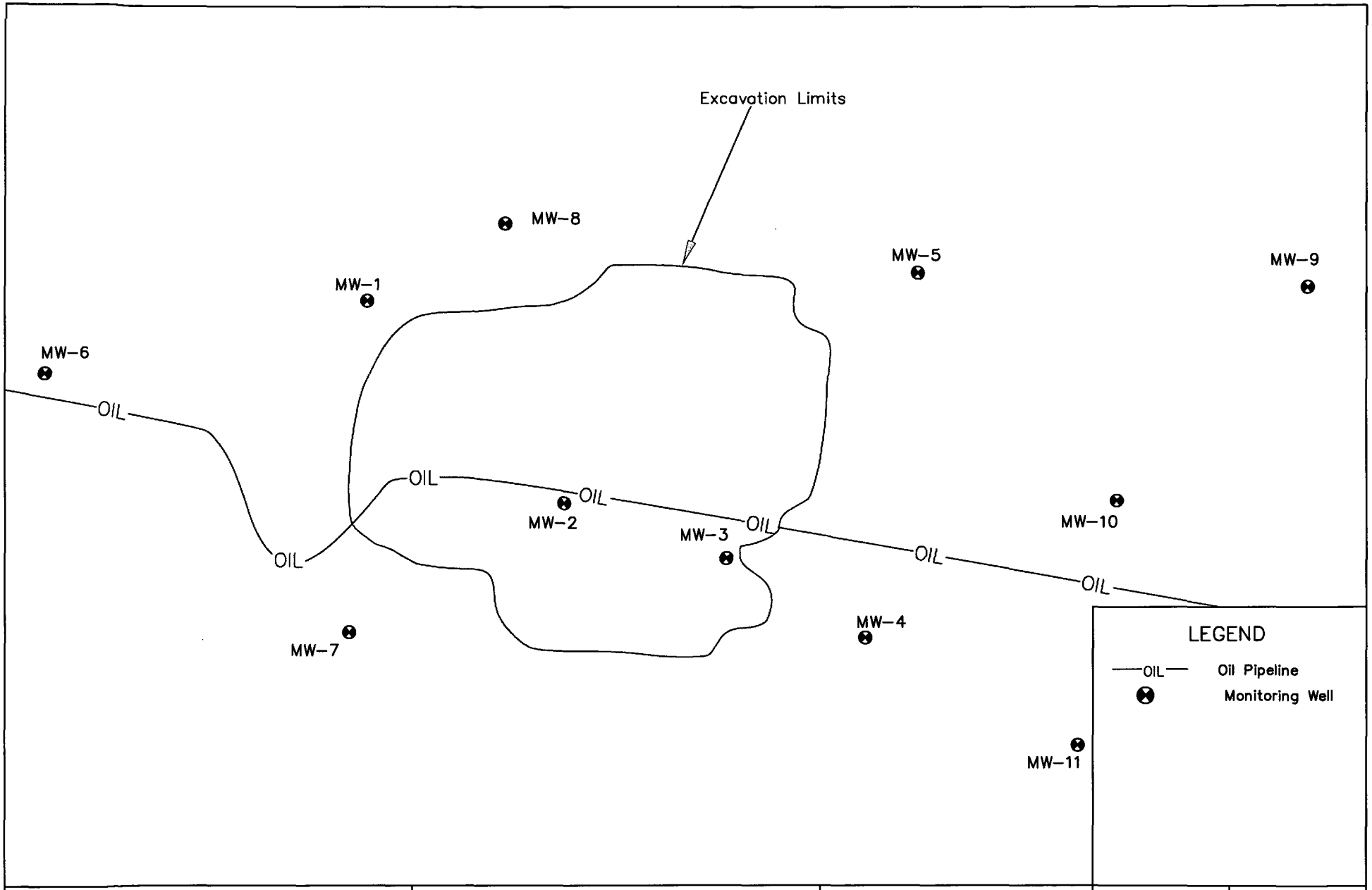

Figure 3 Site Map Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004	REVISED Jan. 2006	N
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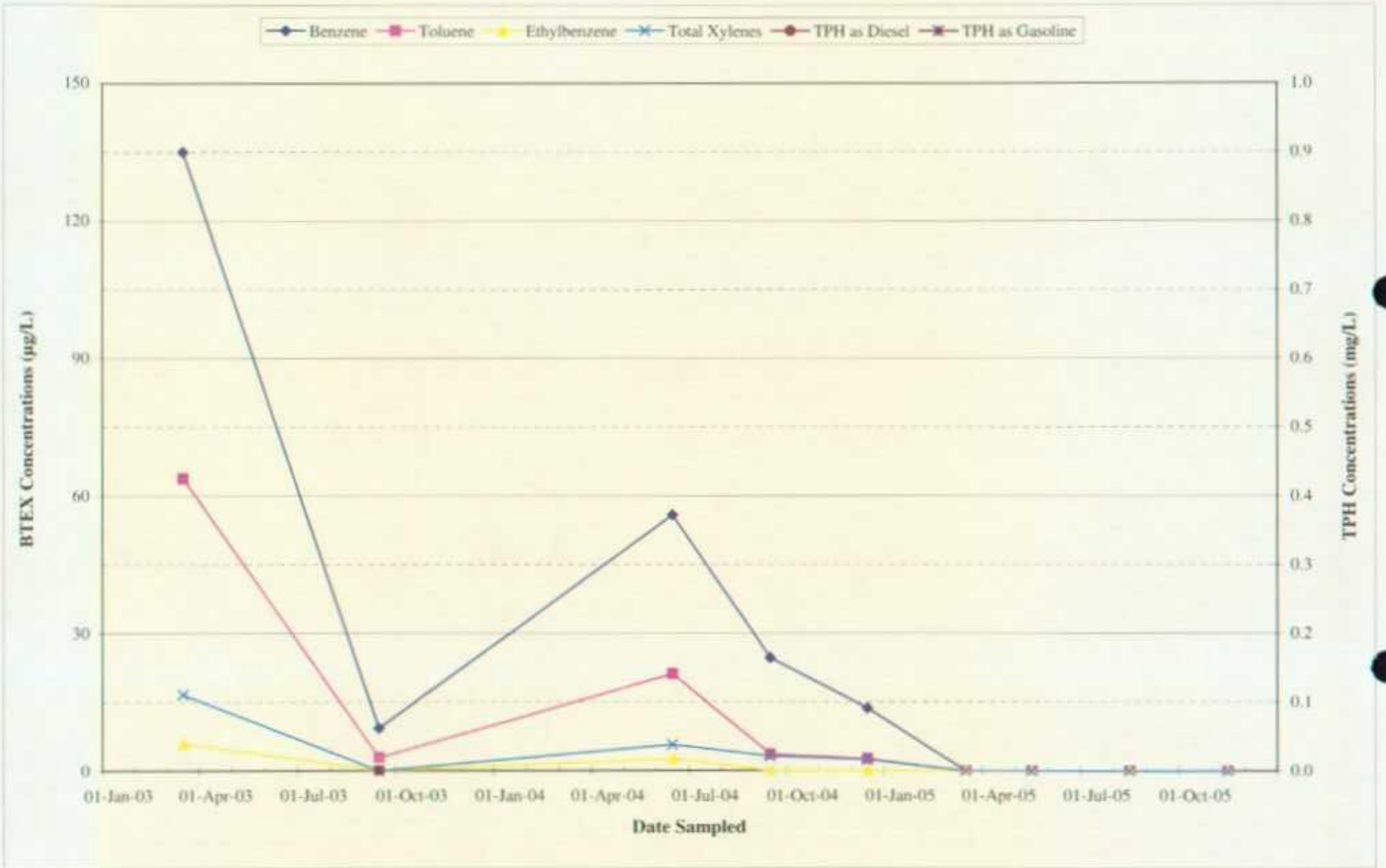


Figure 4: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-1 from 03/04/03 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

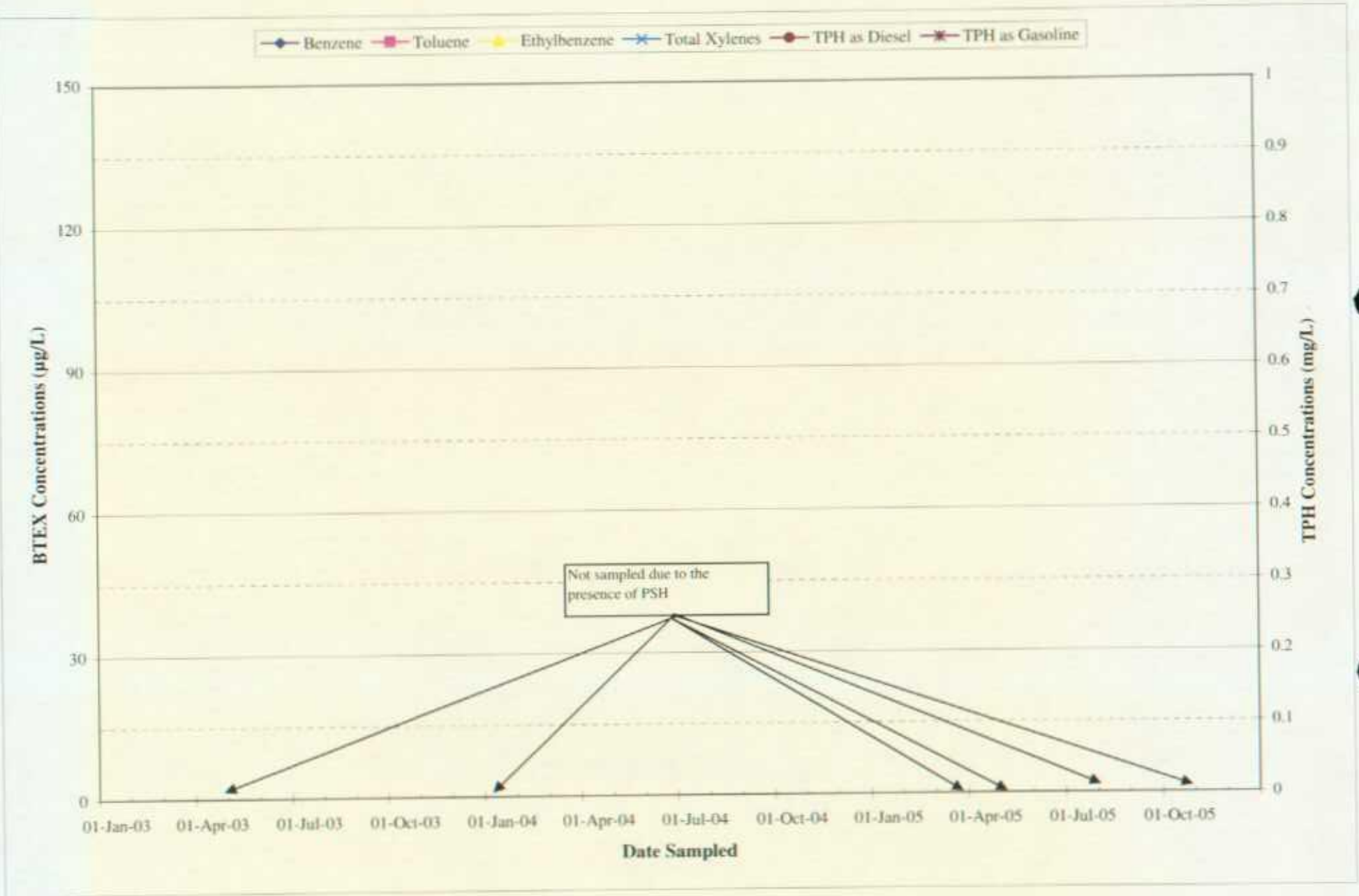


Figure 5: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-2 from 03/04/03 through 12/31/05. Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

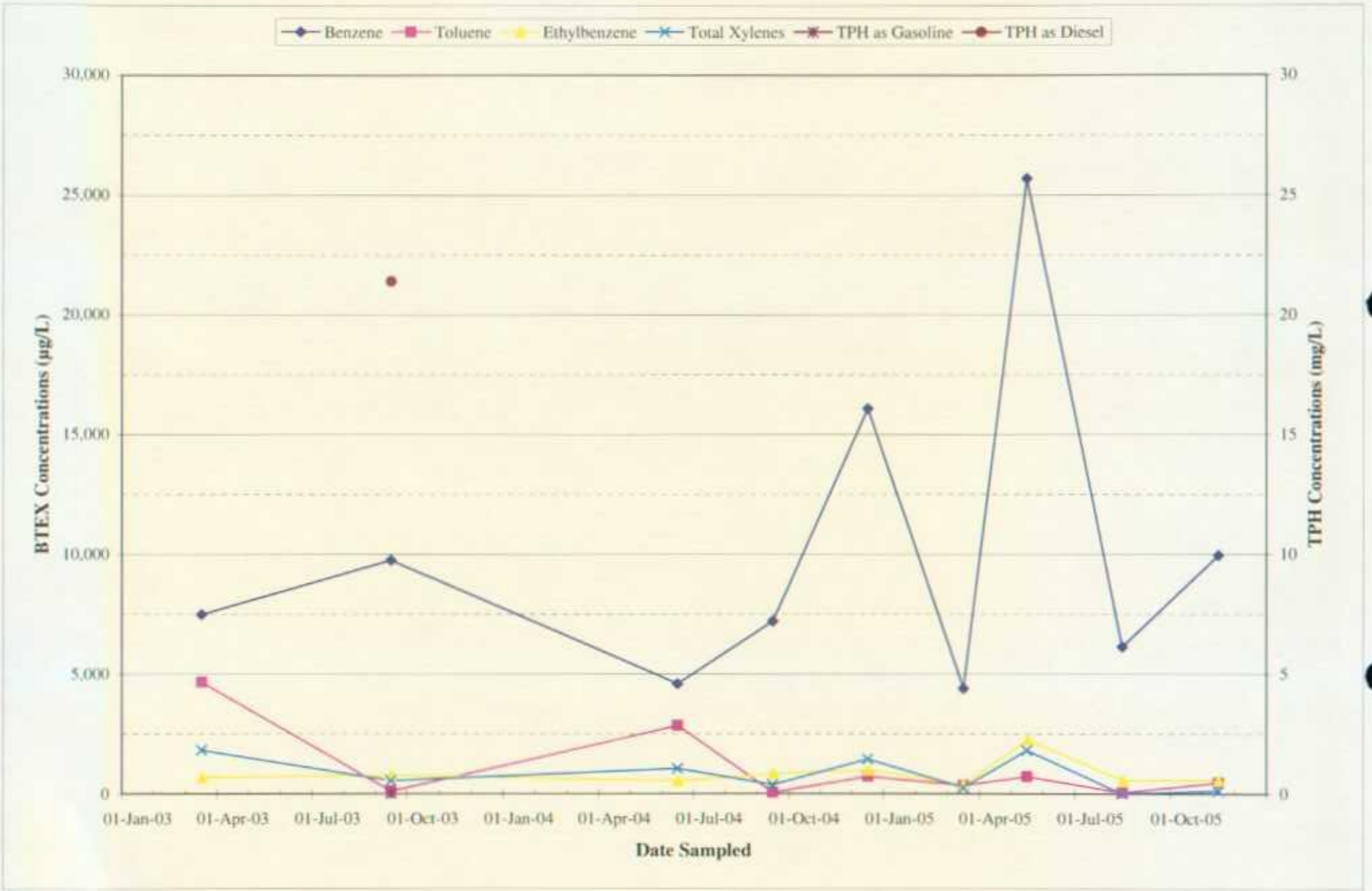


Figure 6: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-3 from 03/04/03 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

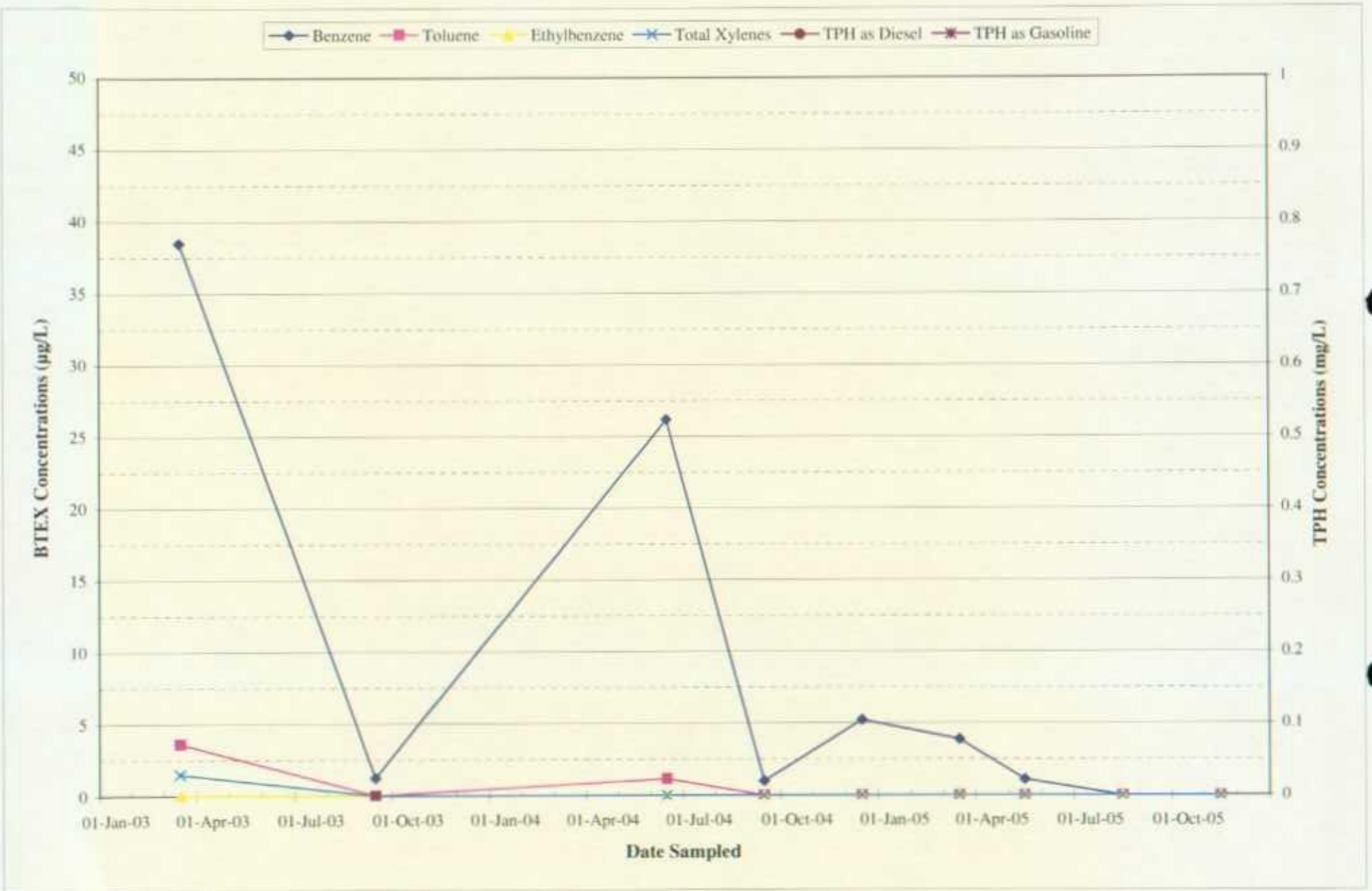


Figure 7: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-4 from 03/04/03 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

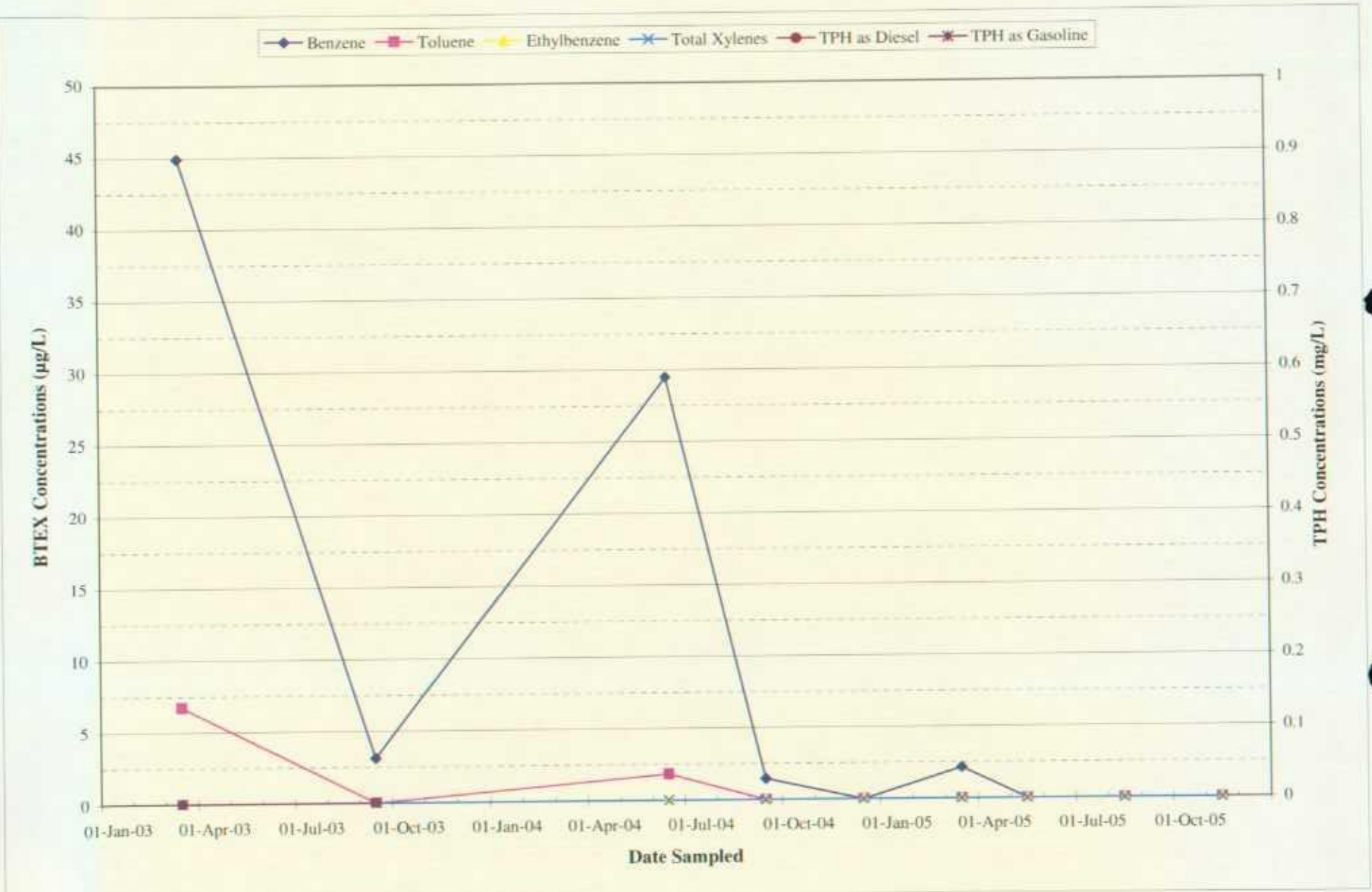


Figure 8: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-5 from 03/04/03 through 12/31/05, Plains Pipeline, L.P. Lovington Deep 6", Lea County, New Mexico.

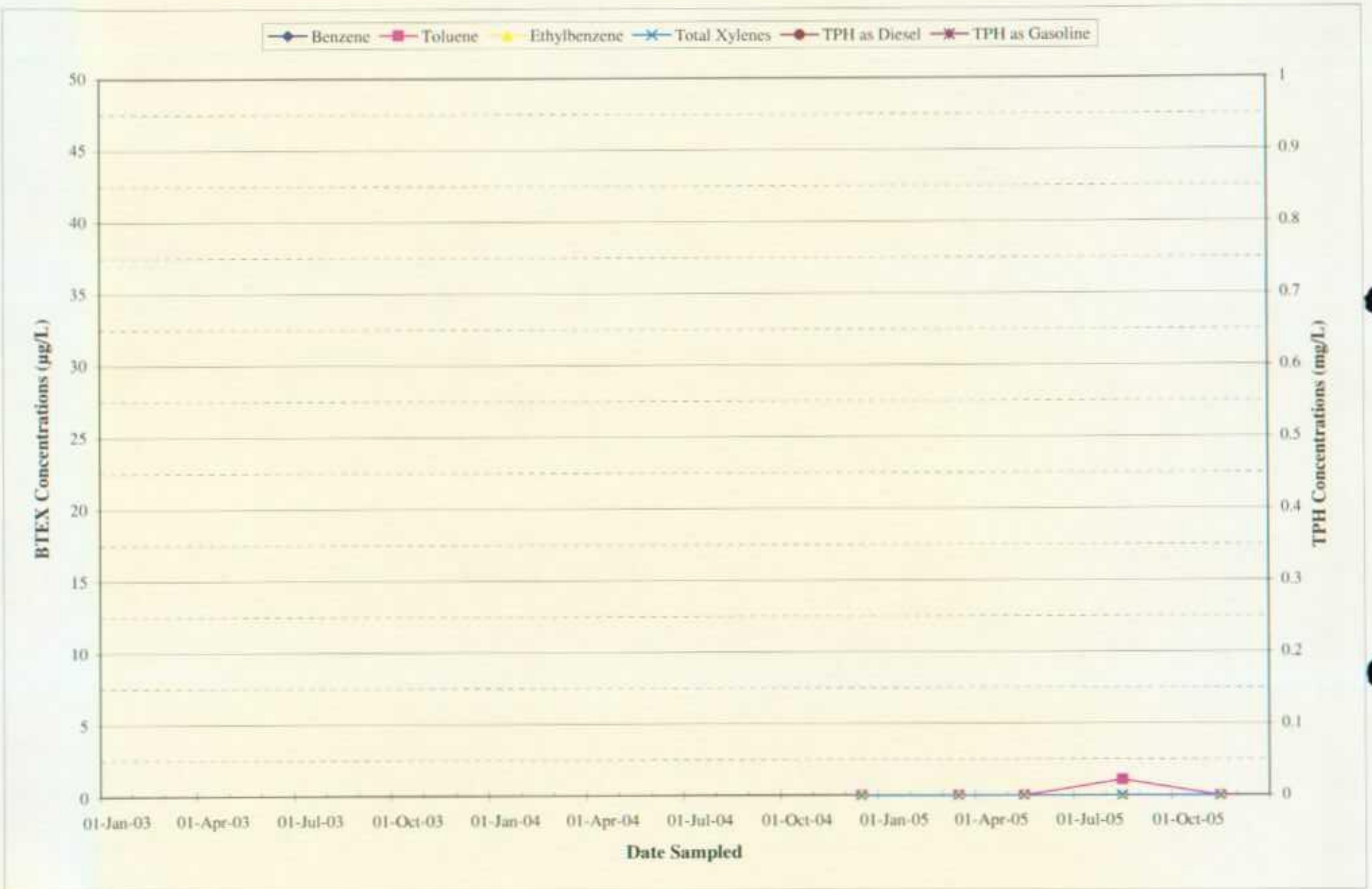


Figure 9: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-6 from 12/13/04 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

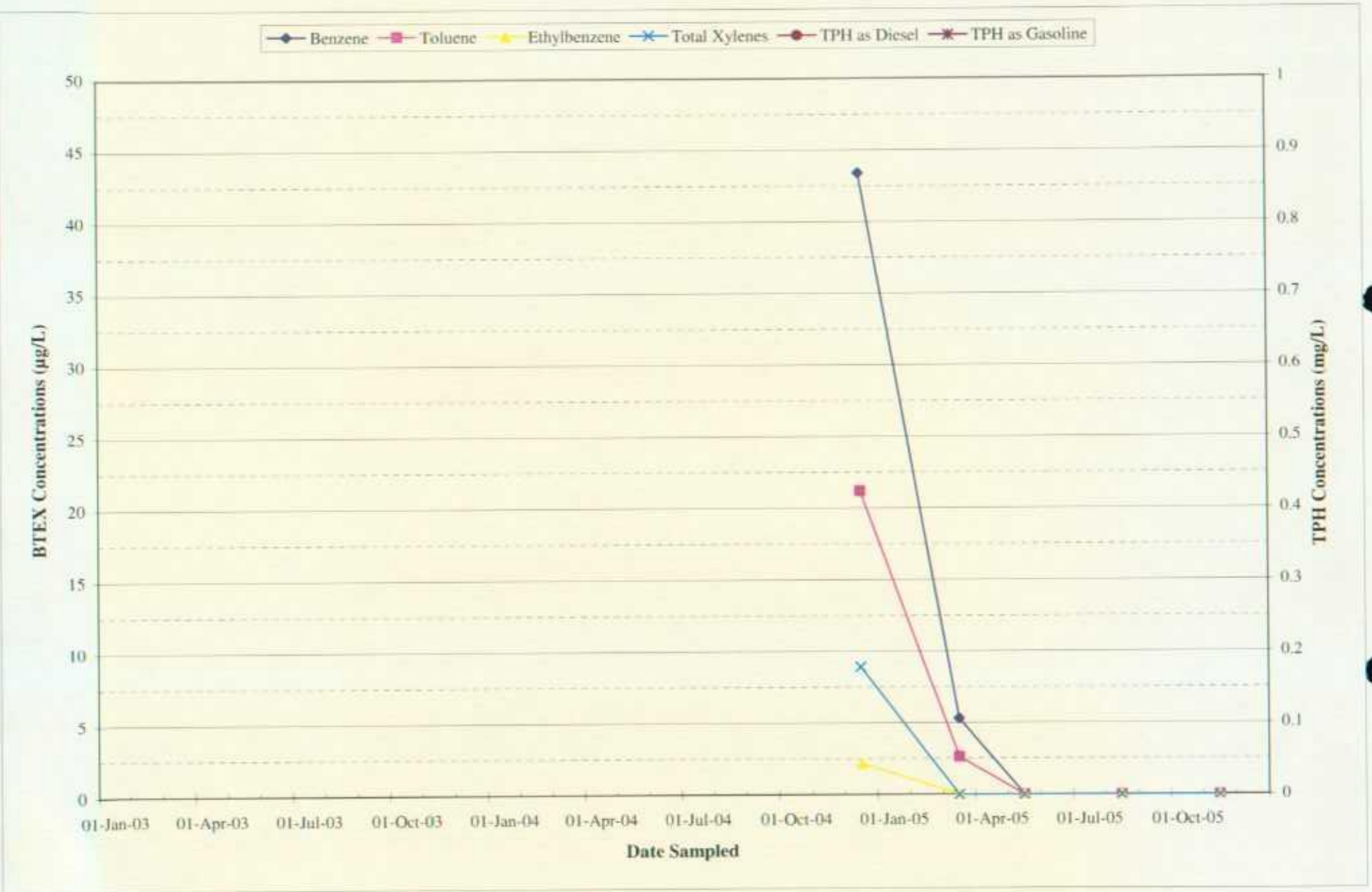


Figure 10: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-7 from 12/13/05 through 12/31/04, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

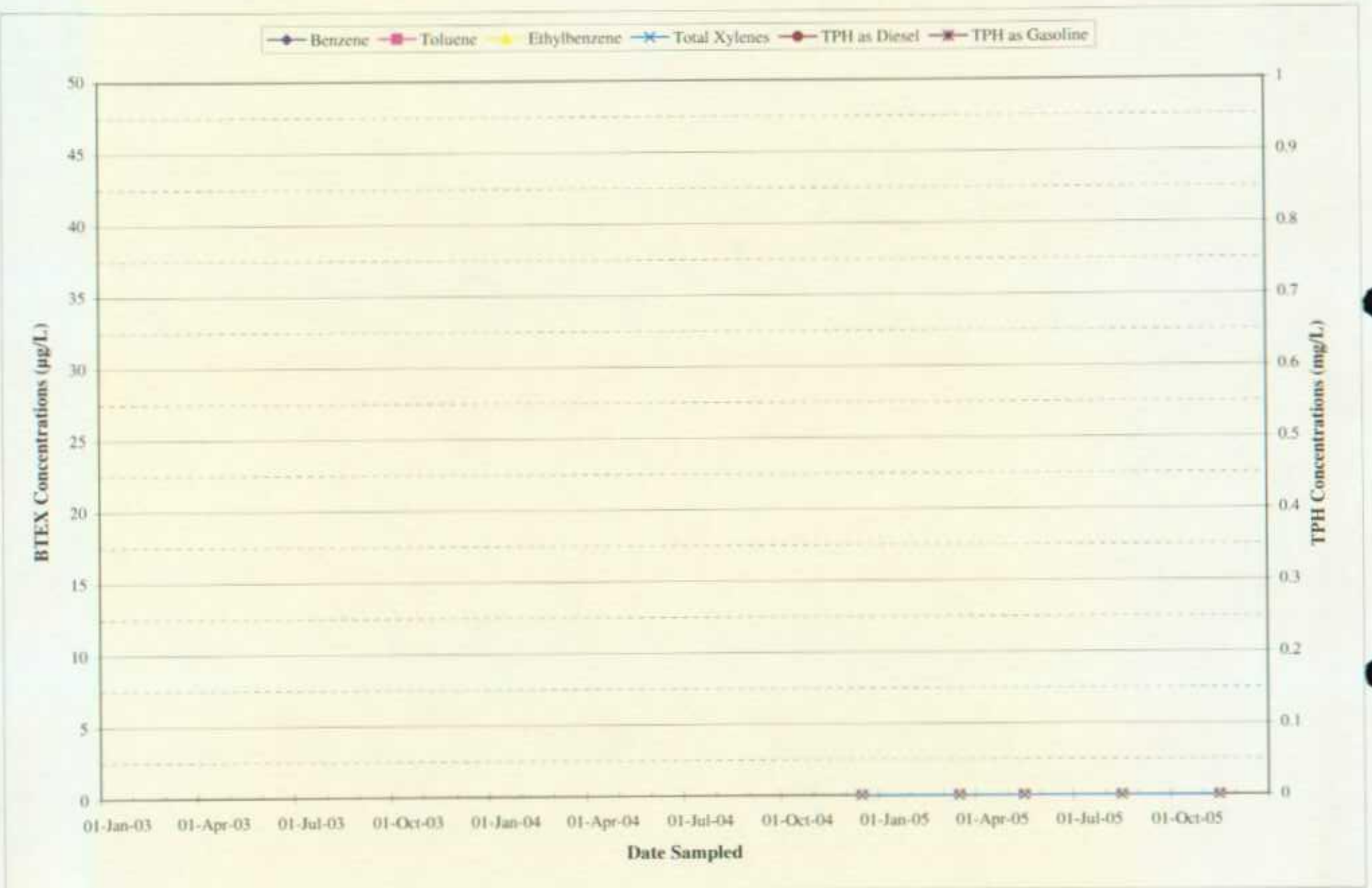


Figure 11: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-8 from 12/13/04 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

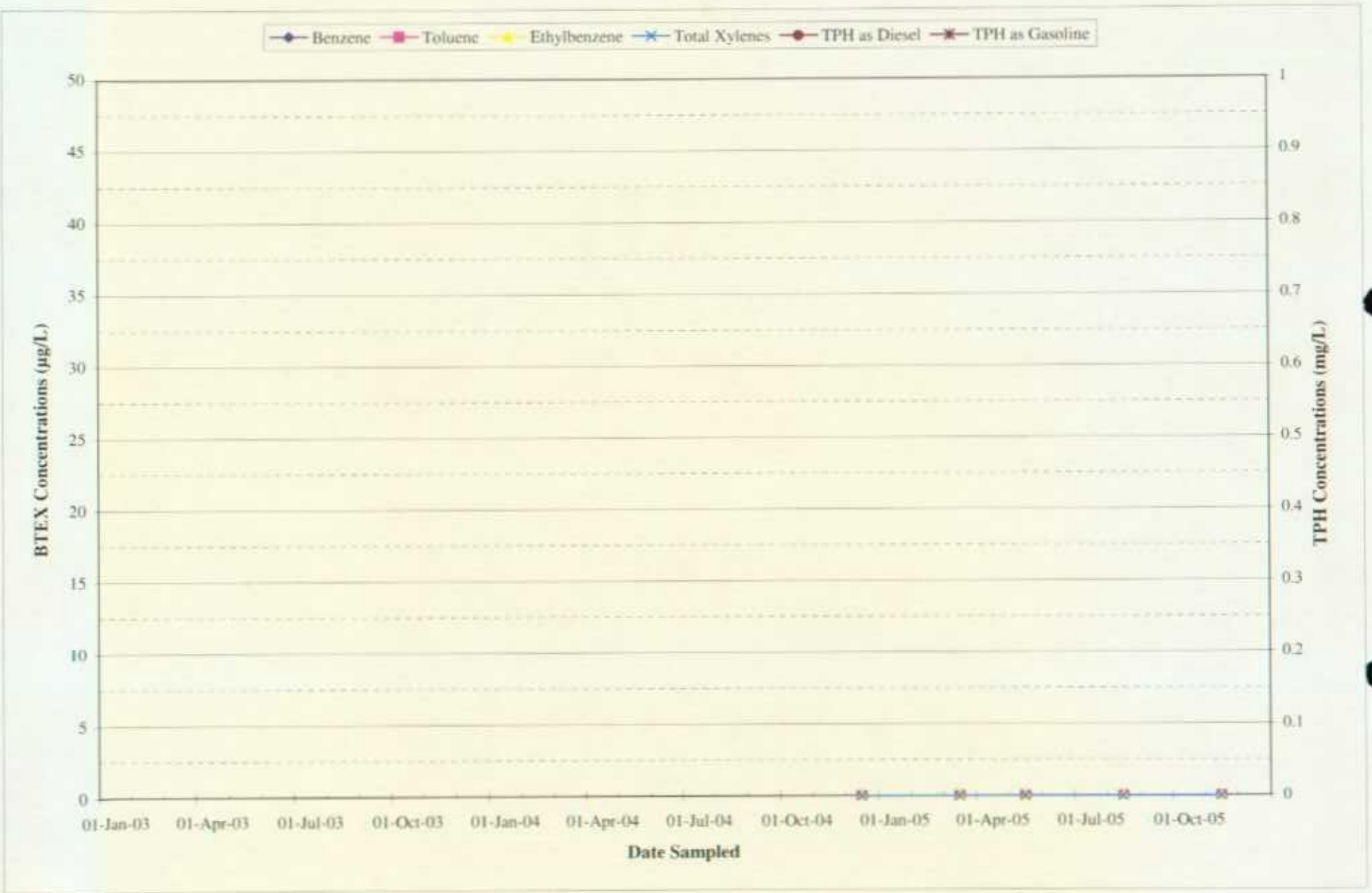


Figure 12: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-9 from 12/13/04 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

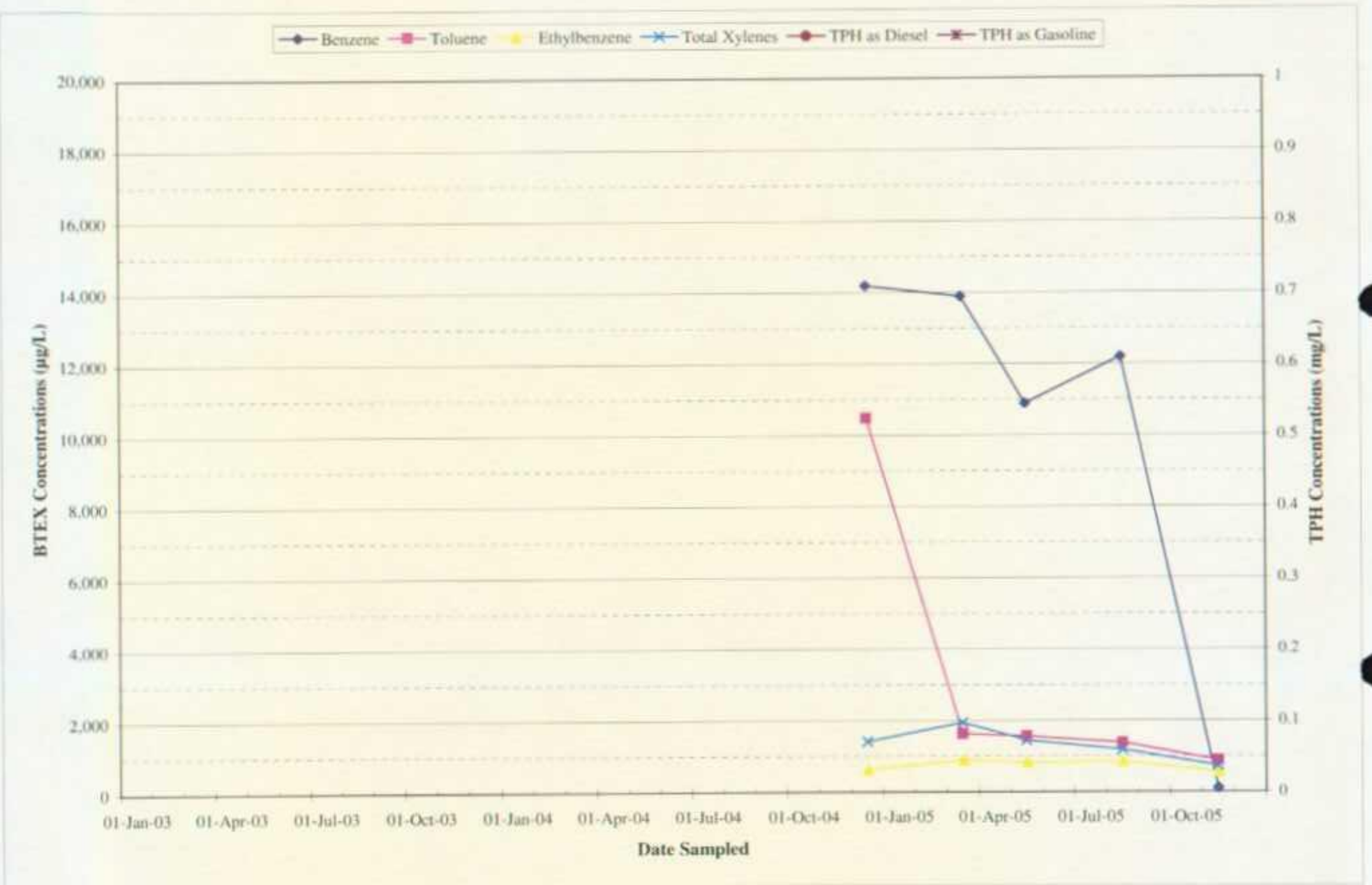


Figure 13: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-10 from 12/13/04 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

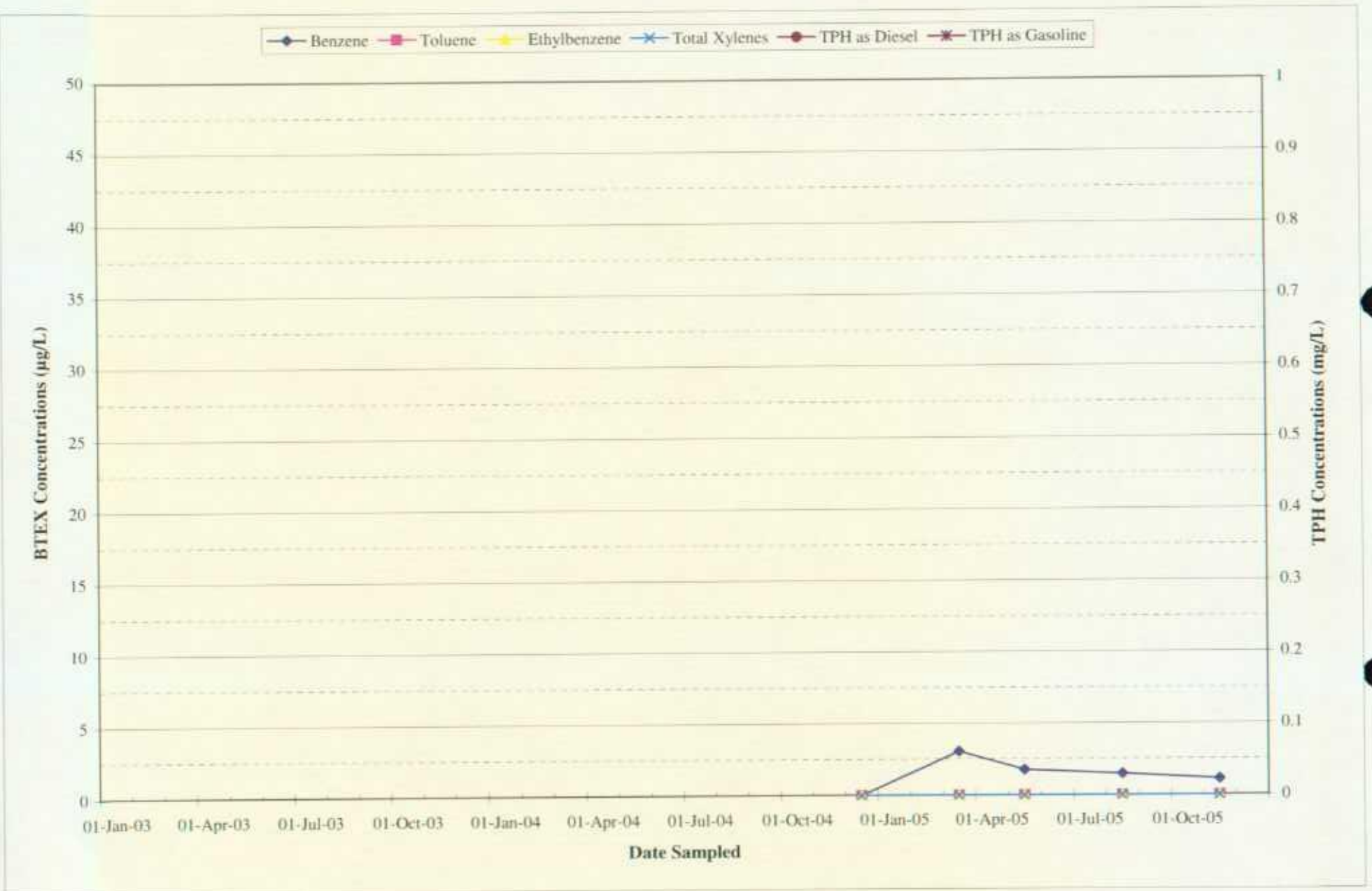


Figure 14: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-11 from 12/13/04 through 12/31/05, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexico.

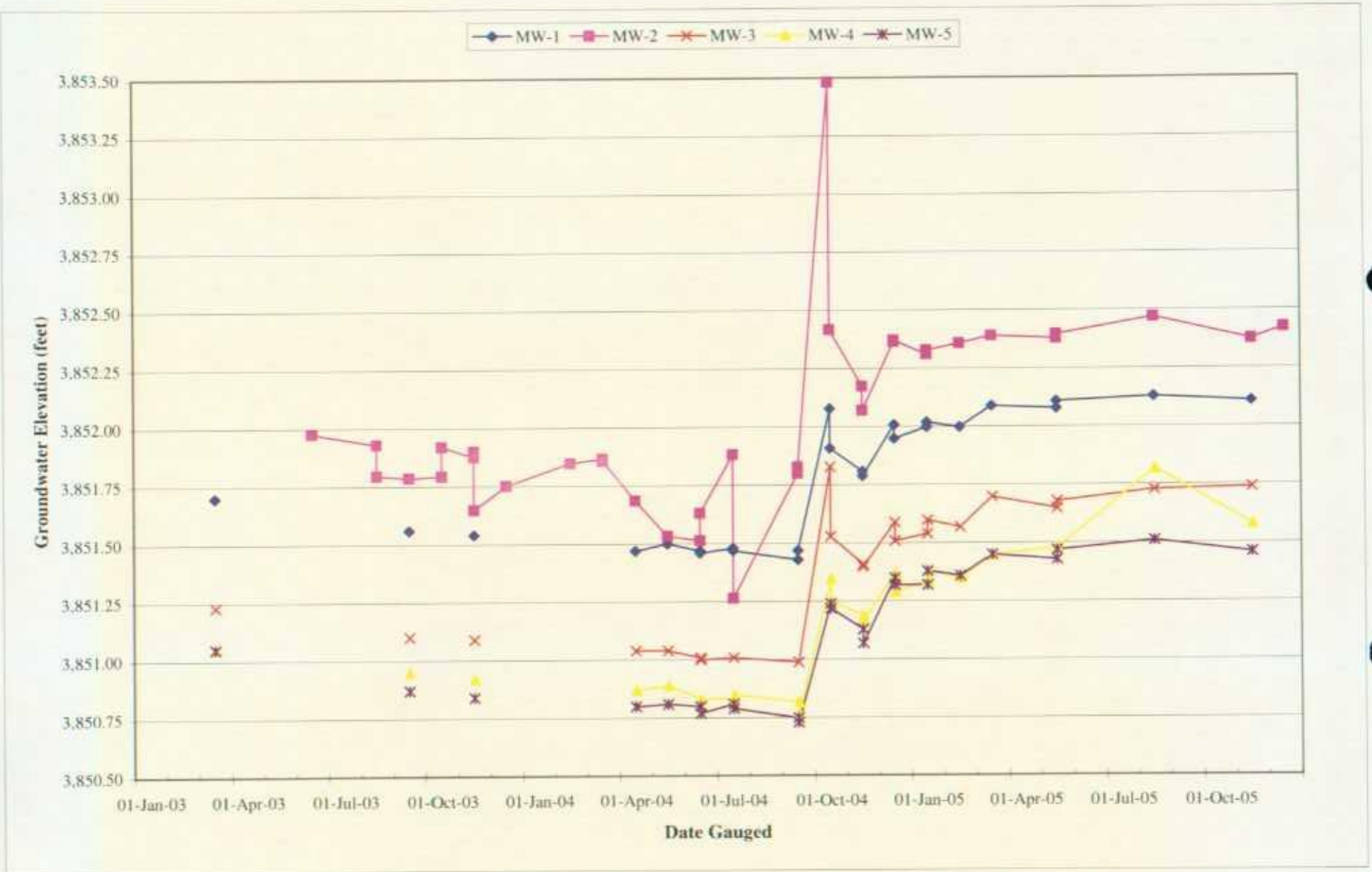


Figure 15: Hydrograph for the Groundwater Monitoring Wells MW-1 through MW-5, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexcio from 06/02/04 through 12/31/05.

Figure 16: Hydrograph for the Groundwater Monitoring Wells MW-6 through MW-11, Plains Pipeline, L.P., Lovington Deep 6", Lea County, New Mexcio from 11/18/04 through 12/31/05.

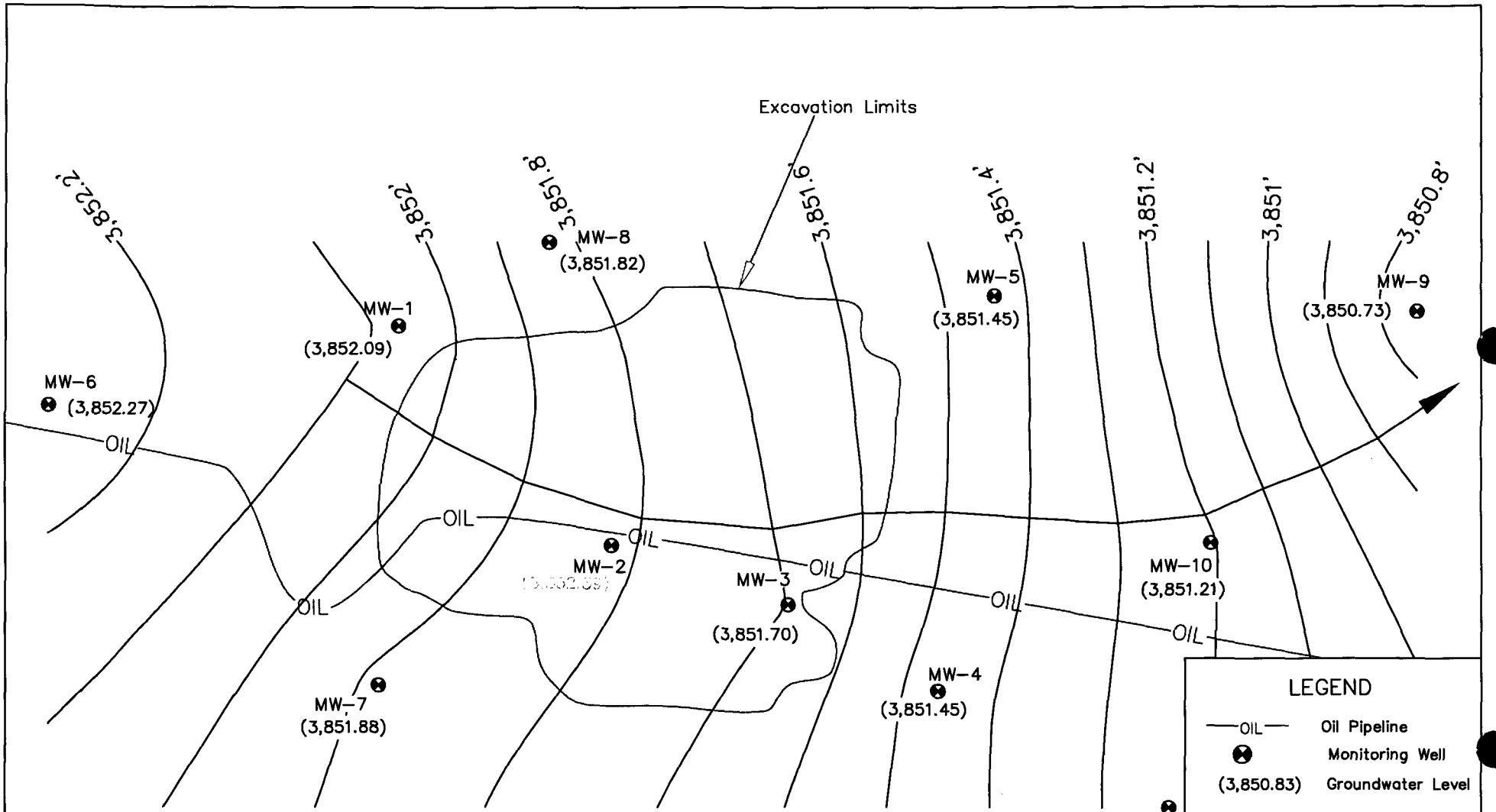
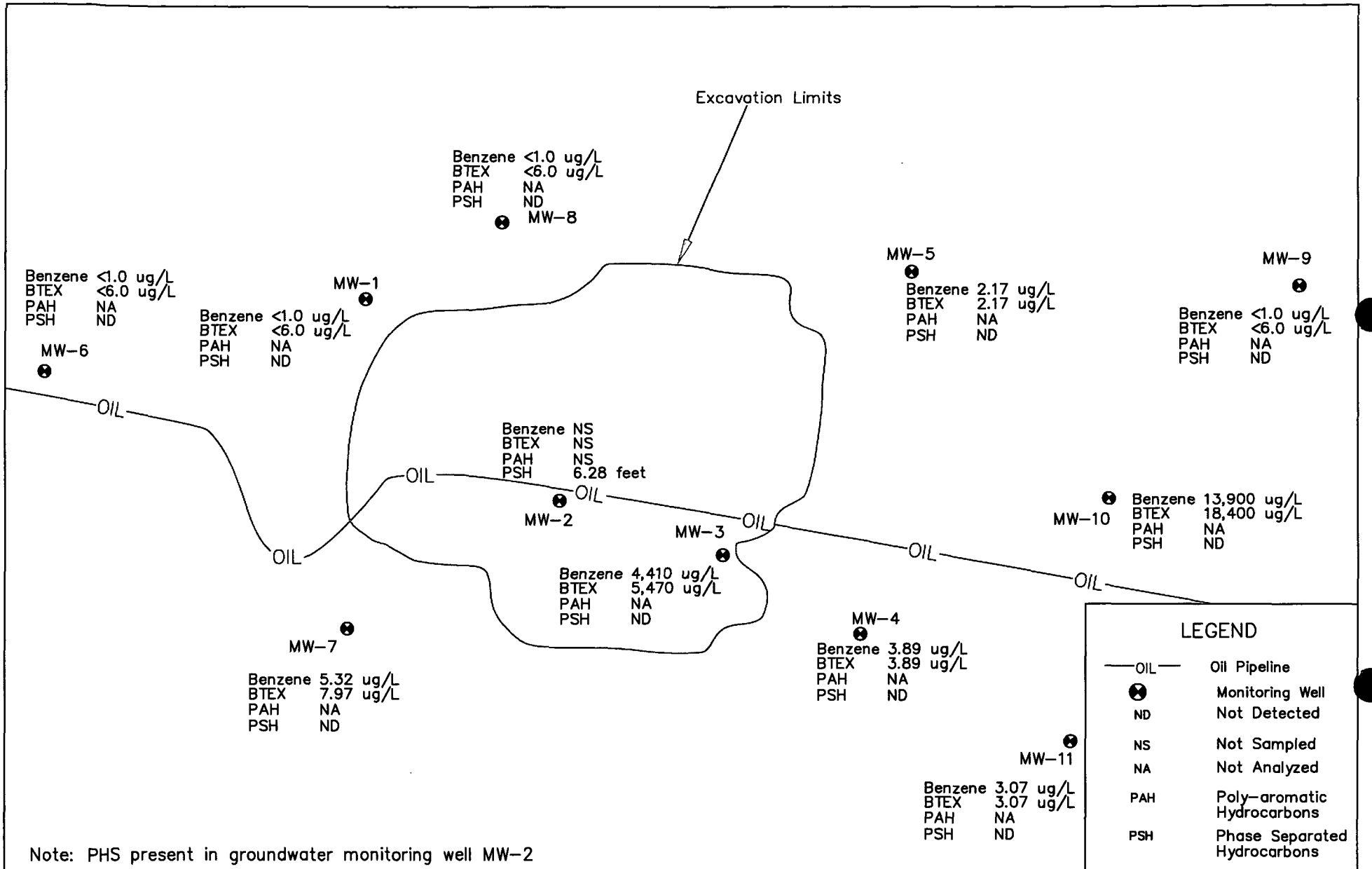


Figure 17 Groundwater Contour Map – 03/30/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004 0 50 100 Feet	REVISED Jan. 2006 SHEET 1 of 1	N



Note: PHS present in groundwater monitoring well MW-2

Figure 18 Contaminant Concentration Map – 03/30/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004 0 50 100 Feet	REVISED Jan. 2006 SHEET 1 of 1	N

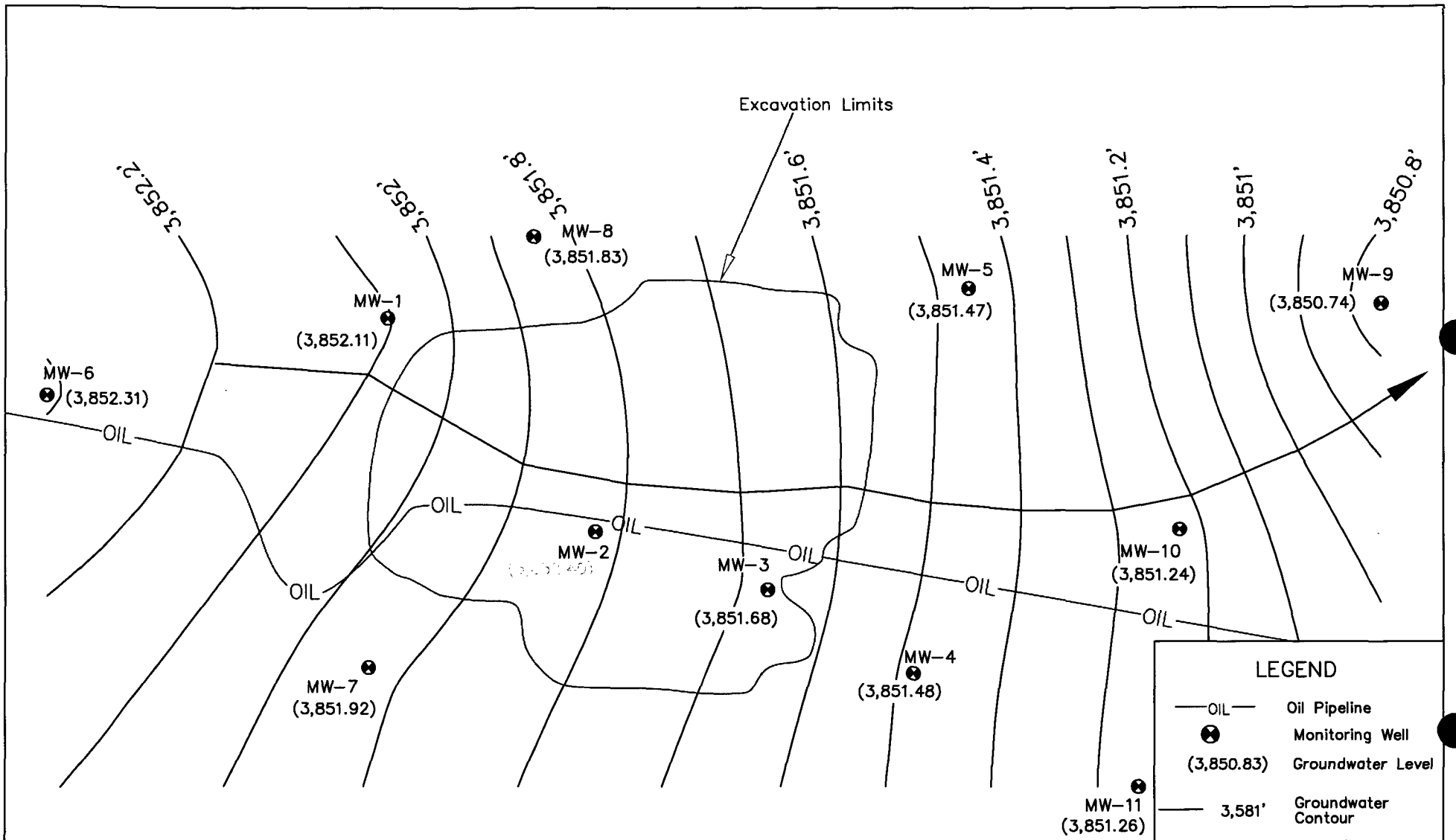
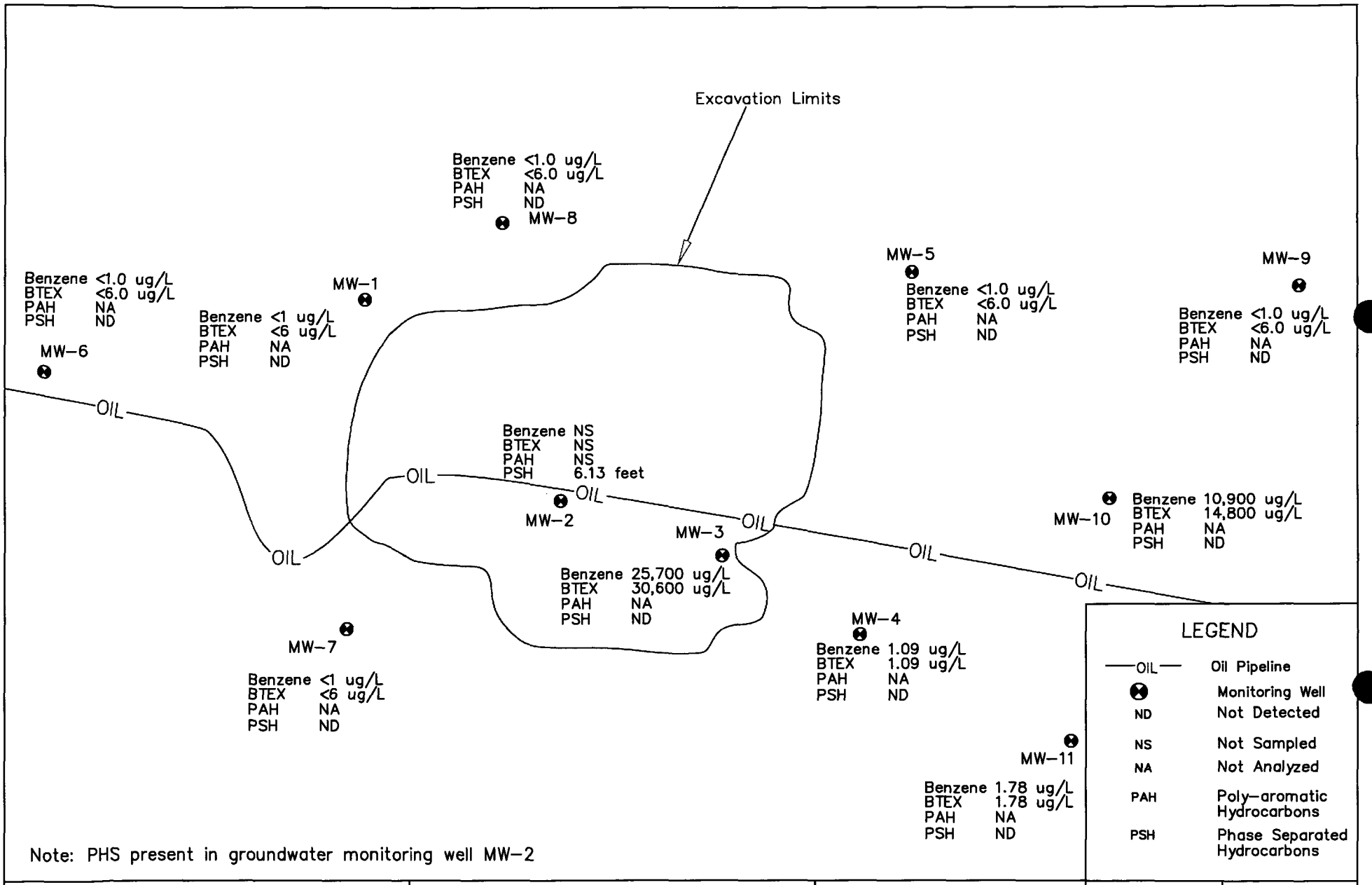


Figure 19 Groundwater Contour Map – 05/20/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002–10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004 0 50 100 Feet	REVISED Jan. 2006 SHEET 1 of 1	N


Excavation Limits
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-8
MW-1
Benzene <1 ug/L
BTEX <6 ug/L
PAH NA
PSH ND
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-6
MW-5
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-9
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
OIL
Benzene NS
BTEX NS
PAH NS
PSH 6.13 feet
MW-2
MW-3
Benzene 25,700 ug/L
BTEX 30,600 ug/L
PAH NA
PSH ND
MW-10
Benzene 10,900 ug/L
BTEX 14,800 ug/L
PAH NA
PSH ND
MW-7
Benzene <1 ug/L
BTEX <6 ug/L
PAH NA
PSH ND
MW-4
Benzene 1.09 ug/L
BTEX 1.09 ug/L
PAH NA
PSH ND
MW-11
Benzene 1.78 ug/L
BTEX 1.78 ug/L
PAH NA
PSH ND
LEGEND
OIL Oil Pipeline
Monitoring Well
ND Not Detected
NS Not Sampled
NA Not Analyzed
PAH Poly-aromatic Hydrocarbons
PSH Phase Separated Hydrocarbons
Note: PHS present in groundwater monitoring well MW-2
Figure 20
Contaminant Concentration Map - 05/20/05
Plains Pipeline, L.P.
Lovington Deep 6"
EMS #2002-10312
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E
N 32° 52' 1.13" W 103° 23' 16.6"
Elevation: 3,912 feet amsl
DWG By: Iain Olness
April 2004
REVISED
Jan. 2006
0 50 100
Feet
SHEET
1 of 1
N

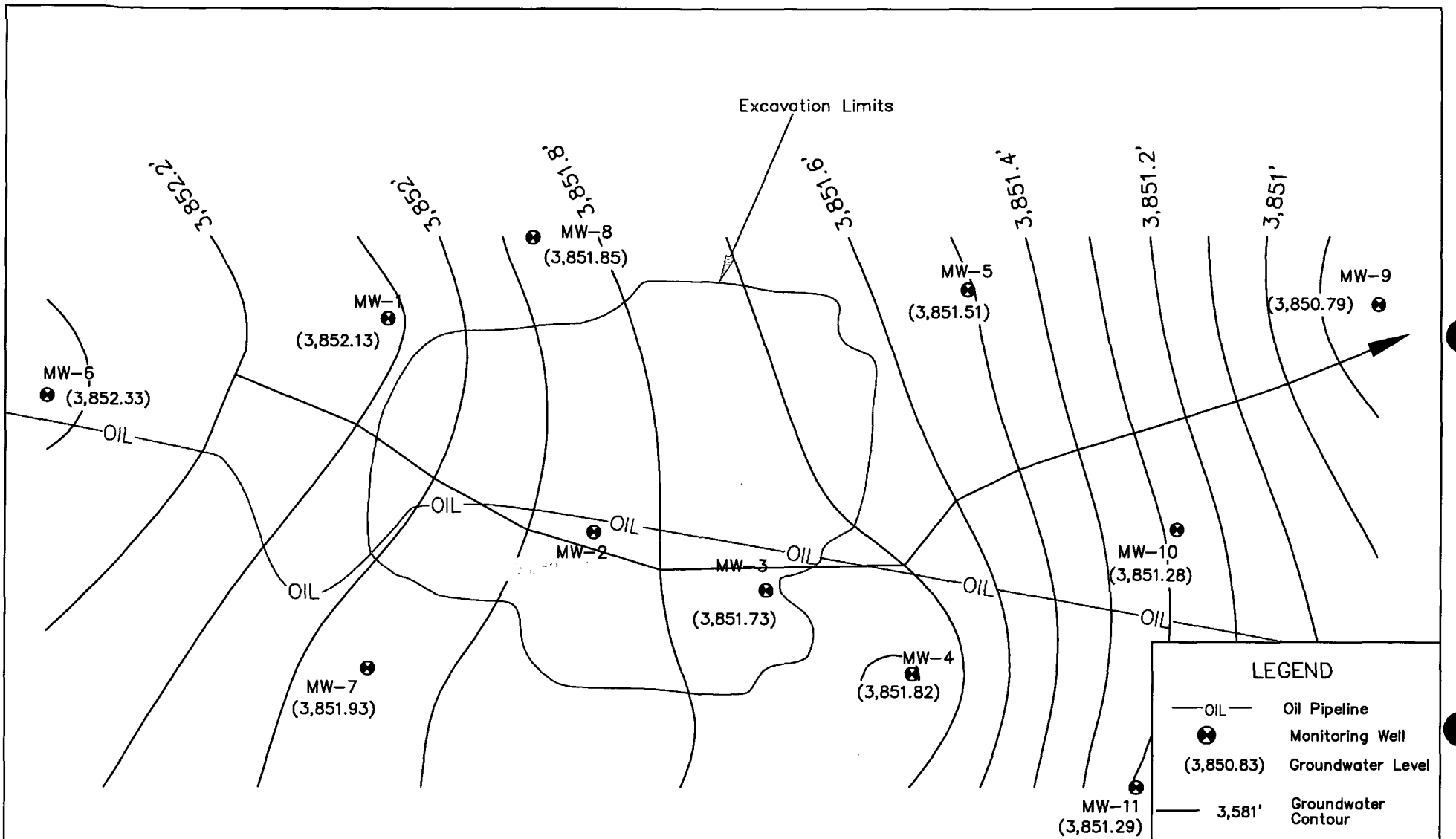


Figure 21 Groundwater Contour Map – 08/23/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002–10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004	REVISED Jan. 2006	N
		0 50 100 Feet	SHEET 1 of 1	

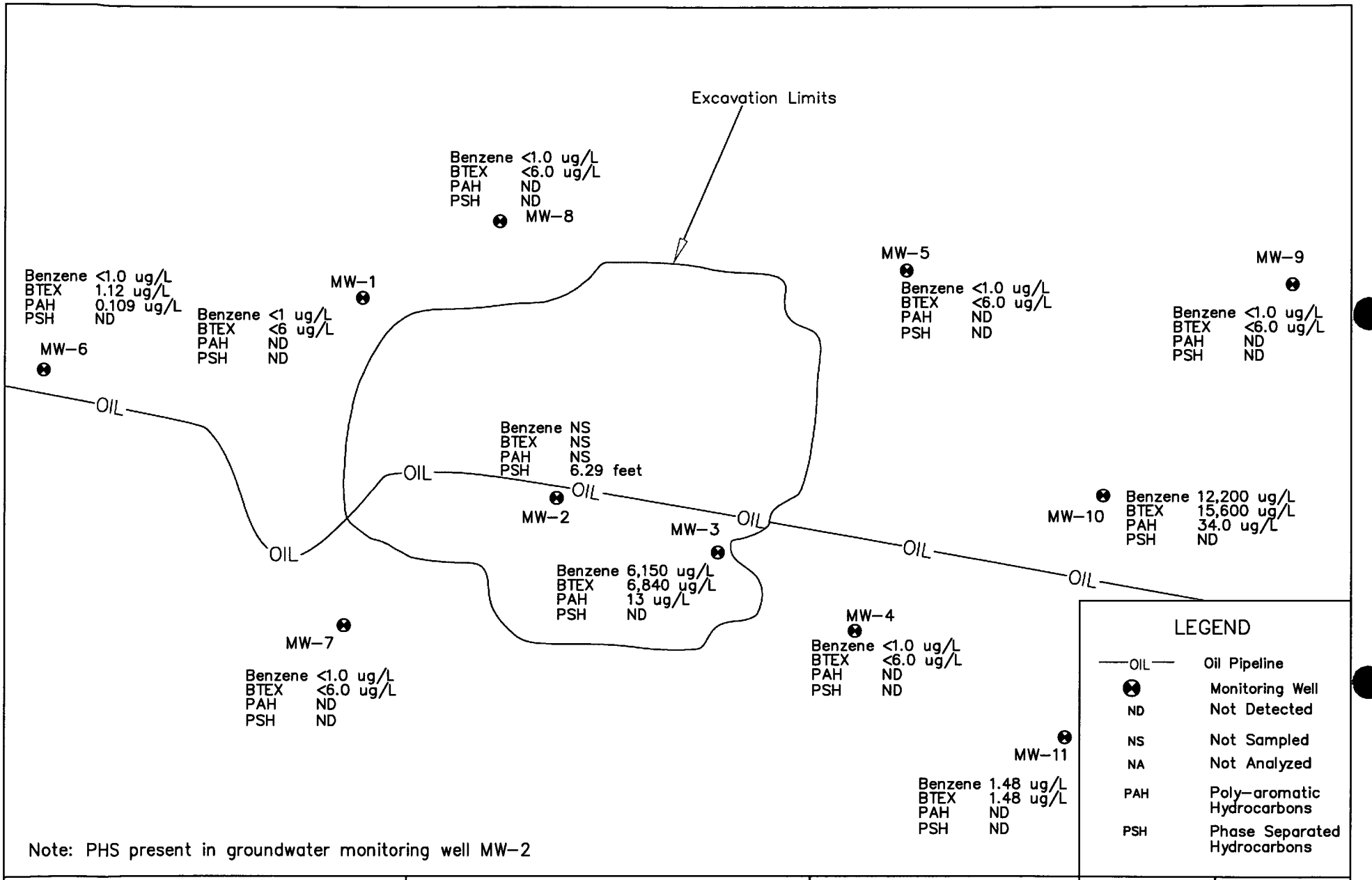


Figure 22 Contaminant Concentration Map – 08/23/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004 0 50 100 Feet	REVISED Jan. 2006 SHEET 1 of 1	N

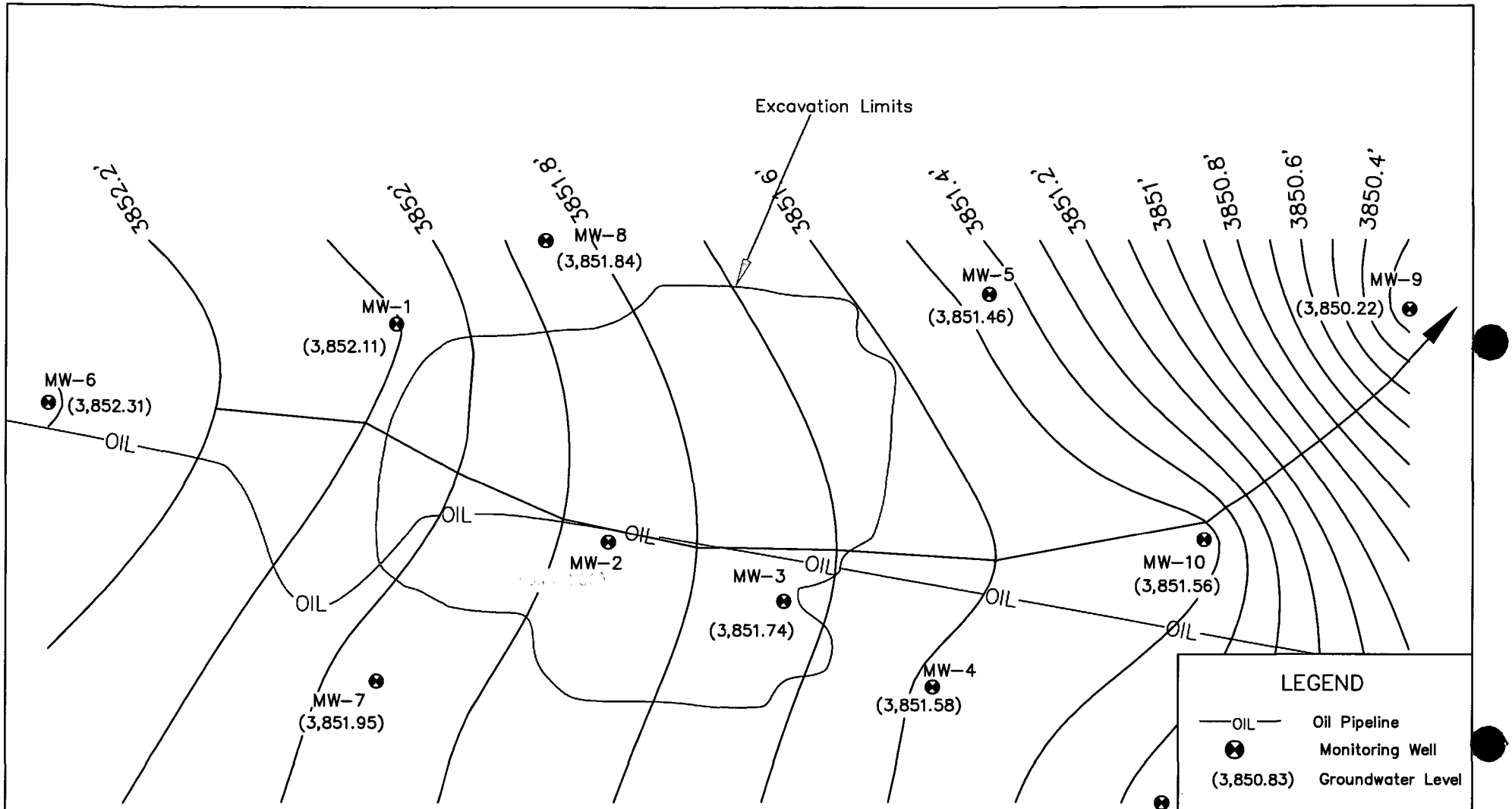
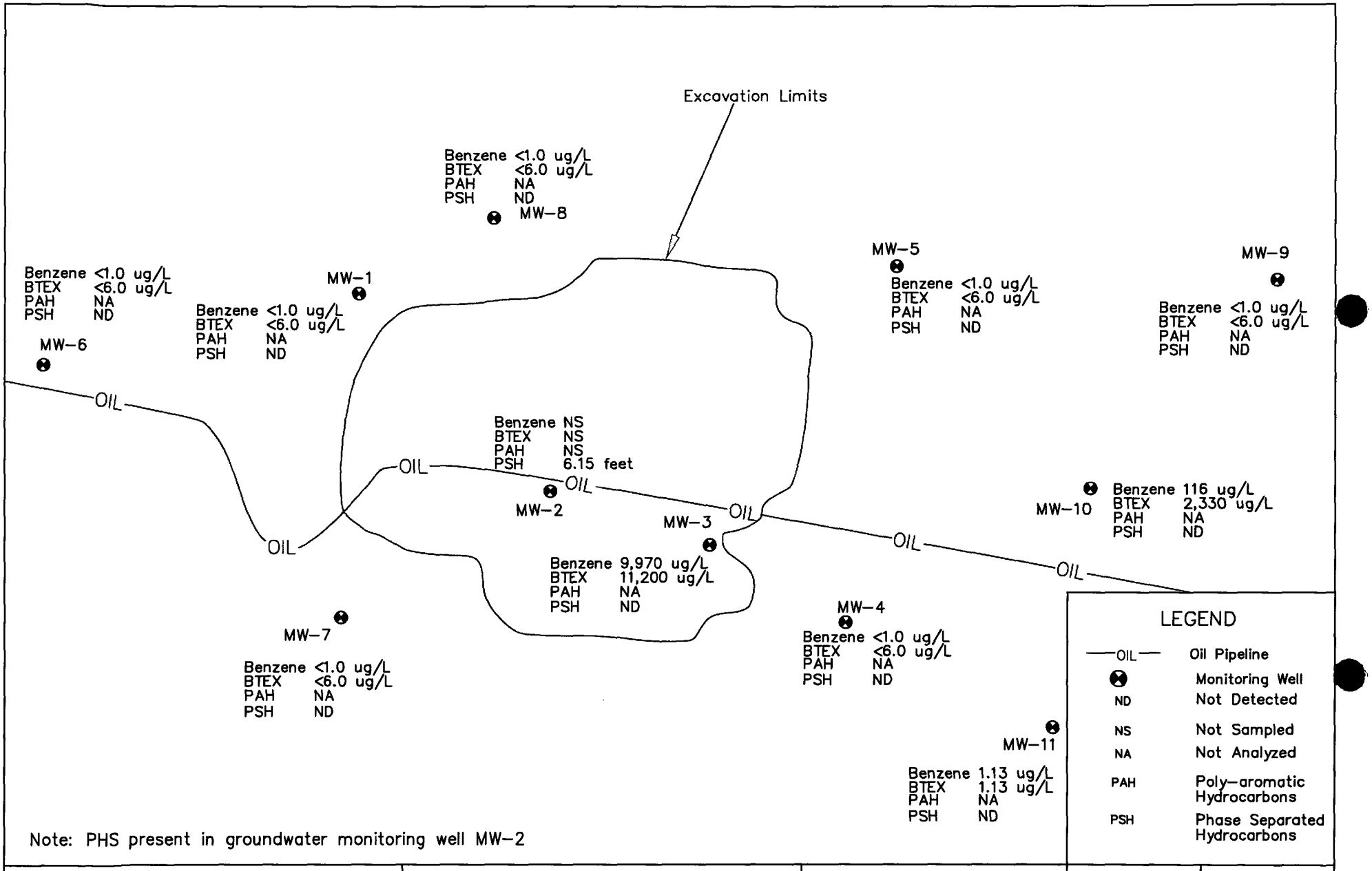


Figure 23 Groundwater Contour Map – 11/22/05 Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004 0 50 100 Feet	REVISED Jan. 2006 SHEET 1 of 1	N


Excavation Limits
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-8
MW-1
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-6
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-5
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-9
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
OIL
Benzene NS
BTEX NS
PAH NS
PSH 6.15 feet
MW-2
MW-3
Benzene 9,970 ug/L
BTEX 11,200 ug/L
PAH NA
PSH ND
MW-10
Benzene 116 ug/L
BTEX 2,330 ug/L
PAH NA
PSH ND
MW-7
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-4
Benzene <1.0 ug/L
BTEX <6.0 ug/L
PAH NA
PSH ND
MW-11
Benzene 1.13 ug/L
BTEX 1.13 ug/L
PAH NA
PSH ND
LEGEND
OIL Oil Pipeline
Monitoring Well
ND Not Detected
NS Not Sampled
NA Not Analyzed
PAH Poly-aromatic Hydrocarbons
PSH Phase Separated Hydrocarbons
Note: PHS present in groundwater monitoring well MW-2
Figure 24
Contaminant Concentration Map - 11/22/05
Plains Pipeline, L.P.
Lovington Deep 6"
EMS #2002-10312
Lea County, New Mexico
SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E
N 32° 52' 1.13" W 103° 23' 16.6"
Elevation: 3,912 feet amsl
DWG By: Iain Olness
April 2004
REVISED
Jan. 2006
0 50 100
Feet
SHEET
1 of 1
N

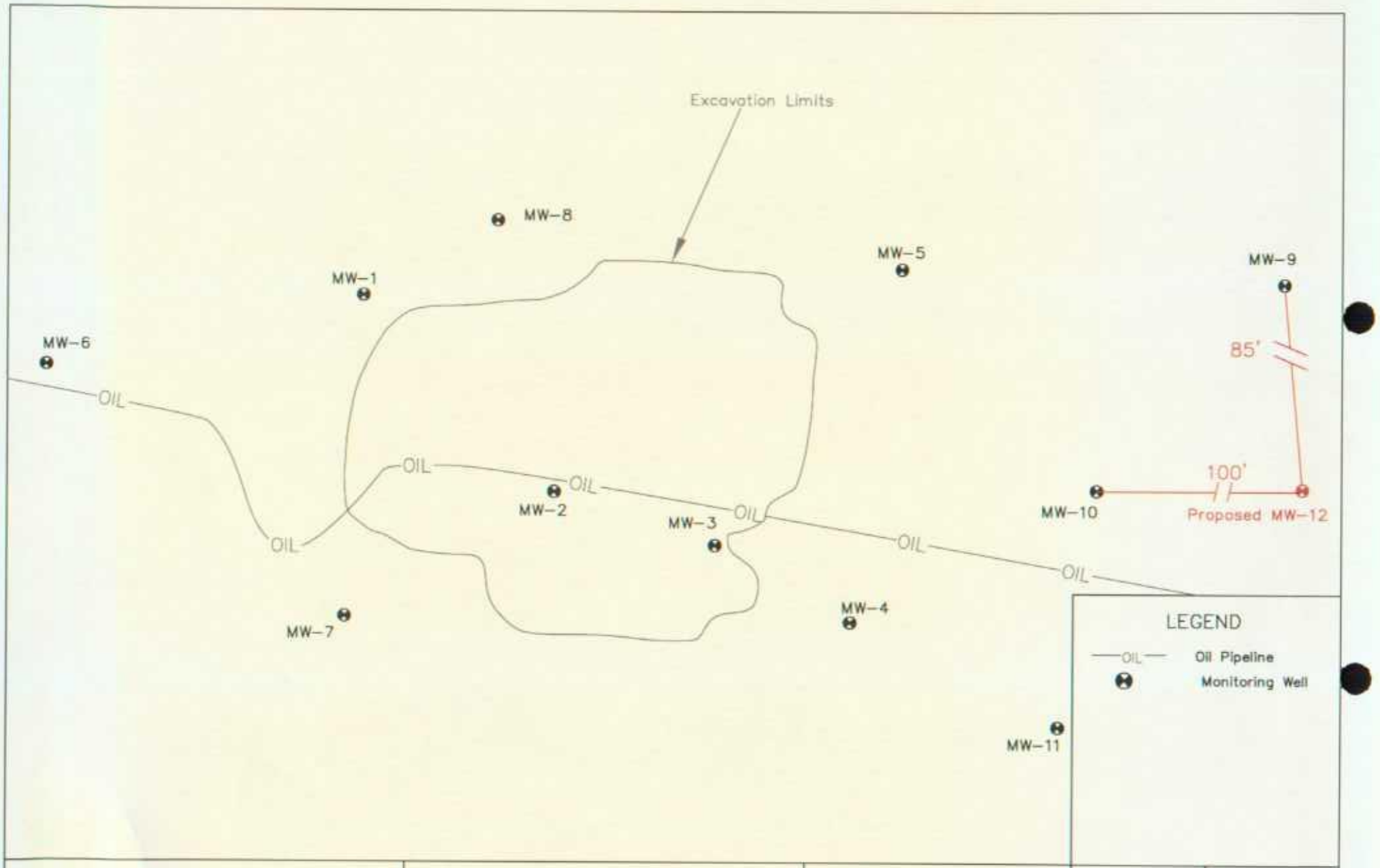


Figure 25 Proposed Monitoring Well Location Map Plains Pipeline, L.P. Lovington Deep 6" EMS #2002-10312	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E N 32° 52' 1.13" W 103° 23' 16.6" Elevation: 3,912 feet amsl	DWG By: Iain Olness April 2004	REVISED Jan. 2006	N
		0 50 100 Feet	SHEET 1 of 1	

TABLES

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-1	04-Mar-03	3,915.51	--	63.81	3,851.70	ND	
	17-Jun-03						
	14-Aug-03						
	28-Aug-03						
	18-Sep-03		--	63.95	3,851.56	ND	
	13-Oct-03						
	24-Oct-03						
	10-Nov-03		--	63.97	3,851.54	ND	
	17-Nov-03						
	18-Nov-03						
	04-Dec-03						
	09-Feb-04						
	15-Mar-04						
	25-Mar-04						
	14-Apr-04		--	64.04	3,851.47	ND	
	06-May-04		--	64.01	3,851.50	ND	
	04-Jun-04		--	64.04	3,851.47	ND	
	16-Jun-04		--	64.05	3,851.46	ND	
	09-Jul-04		--	64.03	3,851.48	ND	
	20-Jul-04		--	64.04	3,851.47	ND	
	10-Sep-04		--	64.08	3,851.43	ND	
	23-Sep-04		--	64.04	3,851.47	ND	
	01-Oct-04		--	63.43	3,852.08	ND	
	21-Oct-04		--	63.60	3,851.91	ND	
	03-Nov-04		--	63.70	3,851.81	ND	
	18-Nov-04		--	63.72	3,851.79	ND	
	13-Dec-04		--	63.50	3,852.01	ND	
	20-Dec-04		--	63.56	3,851.95	ND	
	10-Jan-05		--	63.51	3,852.00	ND	
	25-Jan-05		--	63.49	3,852.02	ND	
	18-Feb-05		--	63.51	3,852.00	ND	
	30-Mar-05		--	63.42	3,852.09	ND	
	03-May-05		--	63.43	3,852.08	ND	
	20-May-05		--	63.40	3,852.11	ND	
	23-Aug-05		--	63.38	3,852.13	ND	
	22-Nov-05		--	63.40	3,852.11	ND	
	08-Dec-05						
MW-2	04-Mar-03	3,915.04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-2 (cont.)	17-Jun-03		62.29	70.02	3,851.98	7.73	
	14-Aug-03		62.34	70.04	3,851.93	7.70	
	28-Aug-03		62.50	69.94	3,851.80	7.44	8.97
	18-Sep-03		62.51	69.95	3,851.79	7.44	
	13-Oct-03		62.50	69.96	3,851.79	7.46	
	24-Oct-03		62.35	70.05	3,851.92	7.70	
	10-Nov-03		62.45	69.59	3,851.88	7.14	
	17-Nov-03		62.38	69.98	3,851.90	7.60	
	18-Nov-03		62.95	67.37	3,851.65	4.42	
	04-Dec-03		62.57	69.75	3,851.75	7.18	
	09-Feb-04		62.45	69.87	3,851.85	7.42	
	15-Mar-04		62.42	69.95	3,851.87	7.53	
	25-Mar-04		62.43	69.95	3,851.86	7.52	10
	14-Apr-04		62.68	69.42	3,851.69	6.74	
	06-May-04		62.75	70.31	3,851.53	7.56	
	04-Jun-04		62.77	70.33	3,851.51	7.56	5.72
	16-Jun-04		62.73	69.51	3,851.63	6.78	20
	09-Jul-04		62.40	69.97	3,851.88	7.57	17
	20-Jul-04		63.20	68.95	3,851.27	5.75	35
	10-Sep-04		62.52	69.70	3,851.80	7.18	25
	23-Sep-04		62.49	69.69	3,851.83	7.20	11
	01-Oct-04		60.50	71.07	3,853.48	10.57	30
	21-Oct-04		61.96	68.57	3,852.42	6.61	13
	03-Nov-04		62.27	68.22	3,852.18	5.95	12
	18-Nov-04		62.43	67.81	3,852.07	5.38	8
	13-Dec-04		62.05	68.29	3,852.37	6.24	8
	20-Dec-04		62.04	68.31	3,852.37	6.27	8.5
	10-Jan-05		62.11	68.29	3,852.31	6.18	8
	25-Jan-05		62.10	68.21	3,852.33	6.11	8
	18-Feb-05		62.06	68.27	3,852.36	6.21	8.5
	30-Mar-05		62.02	68.30	3,852.39	6.28	3
	03-May-05		62.04	68.24	3,852.38	6.20	10
	20-May-05		62.03	68.16	3,852.40	6.13	10
	23-Aug-05		61.94	68.23	3,852.47	6.29	10
	22-Nov-05		62.05	68.20	3,852.38	6.15	10
	08-Dec-05		61.99	68.25	3,852.42	6.26	10
MW-3	04-Mar-03	3,915.24	- -	64.01	3,851.23	ND	
	17-Jun-03						

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-3 (cont.)	14-Aug-03						
	28-Aug-03						
	18-Sep-03		- -	64.14	3,851.10	ND	
	13-Oct-03						
	24-Oct-03						
	10-Nov-03		- -	64.15	3,851.09	ND	
	17-Nov-03						
	18-Nov-03						
	04-Dec-03						
	09-Feb-04						
	15-Mar-04						
	25-Mar-04						
	14-Apr-04		- -	64.20	3,851.04	ND	
	06-May-04		- -	64.20	3,851.04	ND	
	04-Jun-04		- -	64.23	3,851.01	ND	
	16-Jun-04		- -	64.24	3,851.00	ND	
	09-Jul-04		- -	64.23	3,851.01	ND	
	20-Jul-04		- -	64.23	3,851.01	ND	
	10-Sep-04		- -	64.25	3,850.99	ND	
	23-Sep-04		- -	64.25	3,850.99	ND	
	01-Oct-04		- -	63.41	3,851.83	ND	
	21-Oct-04		- -	63.71	3,851.53	ND	
	03-Nov-04		- -	63.83	3,851.41	ND	
	18-Nov-04		- -	63.84	3,851.40	ND	
	13-Dec-04		- -	63.65	3,851.59	ND	
	20-Dec-04		- -	63.73	3,851.51	ND	
	10-Jan-05		- -	63.70	3,851.54	ND	
	25-Jan-05		- -	63.64	3,851.60	ND	
	18-Feb-05		- -	63.67	3,851.57	ND	
	30-Mar-05		- -	63.54	3,851.70	ND	
	03-May-05		- -	63.59	3,851.65	ND	
	20-May-05		- -	63.56	3,851.68	ND	
	23-Aug-05			63.51	3,851.73	ND	
	22-Nov-05			63.50	3,851.74	ND	
	08-Dec-05						
MW-4	04-Mar-03	3,915.30	- -	64.25	3,851.05	ND	
	17-Jun-03						
	14-Aug-03						

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-4 (cont.)	28-Aug-03						
	18-Sep-03		--	64.35	3,850.95	ND	
	13-Oct-03						
	24-Oct-03						
	10-Nov-03		--	64.38	3,850.92	ND	
	17-Nov-03						
	18-Nov-03						
	04-Dec-03						
	09-Feb-04						
	15-Mar-04						
	25-Mar-04						
	14-Apr-04		--	64.43	3,850.87	ND	
	06-May-04		--	64.41	3,850.89	ND	
	04-Jun-04		--	64.47	3,850.83	ND	
	16-Jun-04		--	64.47	3,850.83	ND	
	09-Jul-04		--	64.47	3,850.83	ND	
	20-Jul-04		--	64.45	3,850.85	ND	
	10-Sep-04		--	64.48	3,850.82	ND	
	23-Sep-04		--	64.53	3,850.77	ND	
	01-Oct-04		--	63.95	3,851.35	ND	
	21-Oct-04		--	64.05	3,851.25	ND	
	03-Nov-04		--	64.11	3,851.19	ND	
	18-Nov-04		--	64.13	3,851.17	ND	
	13-Dec-04		--	63.93	3,851.37	ND	
	20-Dec-04		--	64.01	3,851.29	ND	
	10-Jan-05		--	63.96	3,851.34	ND	
	25-Jan-05		--	63.92	3,851.38	ND	
	18-Feb-05		--	63.95	3,851.35	ND	
	30-Mar-05		--	63.85	3,851.45	ND	
	03-May-05		--	63.82	3,851.48	ND	
	20-May-05		--	63.82	3,851.48	ND	
	23-Aug-05		--	63.48	3,851.82	ND	
	22-Nov-05		--	63.72	3,851.58	ND	
	08-Dec-05						
MW-5	04-Mar-03	3,915.26	--	64.21	3,851.05	ND	
	17-Jun-03						
	14-Aug-03						
	28-Aug-03						

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-5 (cont.)	18-Sep-03		- -	64.39	3,850.87	ND	
	13-Oct-03						
	24-Oct-03						
	10-Nov-03		- -	64.42	3,850.84	ND	
	17-Nov-03						
	18-Nov-03						
	04-Dec-03						
	09-Feb-04						
	15-Mar-04						
	25-Mar-04						
	14-Apr-04		- -	64.46	3,850.80	ND	
	06-May-04		- -	64.45	3,850.81	ND	
	04-Jun-04		- -	64.46	3,850.80	ND	
	16-Jun-04		- -	64.49	3,850.77	ND	
	09-Jul-04		- -	64.45	3,850.81	ND	
	20-Jul-04		- -	64.47	3,850.79	ND	
	10-Sep-04		- -	64.51	3,850.75	ND	
	23-Sep-04		- -	64.53	3,850.73	ND	
	01-Oct-04		- -	64.02	3,851.24	ND	
	21-Oct-04		- -	64.04	3,851.22	ND	
	03-Nov-04		- -	64.13	3,851.13	ND	
	18-Nov-04		- -	64.19	3,851.07	ND	
	13-Dec-04		- -	63.91	3,851.35	ND	
	20-Dec-04		- -	63.94	3,851.32	ND	
	10-Jan-05		- -	63.94	3,851.32	ND	
	25-Jan-05		- -	63.88	3,851.38	ND	
	18-Feb-05		- -	63.90	3,851.36	ND	
	30-Mar-05		- -	63.81	3,851.45	ND	
	03-May-05		- -	63.83	3,851.43	ND	
	20-May-05		- -	63.79	3,851.47	ND	
	23-Aug-05		- -	63.75	3,851.51	ND	
	22-Nov-05		- -	63.80	3,851.46	ND	
	08-Dec-05						
MW-6	18-Nov-04	3,915.45					
	13-Dec-04		- -	63.26	3,852.19	ND	
	20-Dec-04		- -	63.32	3,852.13	ND	
	10-Jan-05		- -	63.30	3,852.15	ND	
	25-Jan-05		- -	63.23	3,852.22	ND	

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-6 (cont.)	18-Feb-05		- -	63.27	3,852.18	ND	
	30-Mar-05		- -	63.18	3,852.27	ND	
	03-May-05		- -	63.19	3,852.26	ND	
	20-May-05		- -	63.14	3,852.31	ND	
	23-Aug-05		- -	63.12	3,852.33	ND	
	22-Nov-05		- -	63.14	3,852.31	ND	
	08-Dec-05						
MW-7	18-Nov-04	3,914.73					
	13-Dec-04		- -	62.94	3,851.79	ND	
	20-Dec-04		- -	63.00	3,851.73	ND	
	10-Jan-05		- -	62.98	3,851.75	ND	
	25-Jan-05		- -	62.92	3,851.81	ND	
	18-Feb-05		- -	62.94	3,851.79	ND	
	30-Mar-05		- -	62.85	3,851.88	ND	
	03-May-05		- -	62.84	3,851.89	ND	
	20-May-05		- -	62.81	3,851.92	ND	
	23-Aug-05		- -	62.80	3,851.93	ND	
	22-Nov-05		- -	62.78	3,851.95	ND	
	08-Dec-05						
MW-8	18-Nov-04	3,915.19	- -	63.64	3,851.55	ND	
	13-Dec-04		- -	63.45	3,851.74	ND	
	20-Dec-04		- -	63.50	3,851.69	ND	
	10-Jan-05		- -	63.49	3,851.70	ND	
	25-Jan-05		- -	63.43	3,851.76	ND	
	18-Feb-05		- -	63.47	3,851.72	ND	
	30-Mar-05		- -	63.37	3,851.82	ND	
	03-May-05		- -	63.38	3,851.81	ND	
	20-May-05		- -	63.36	3,851.83	ND	
	23-Aug-05		- -	63.34	3,851.85	ND	
	22-Nov-05		- -	63.35	3,851.84	ND	
	08-Dec-05						
MW-9	18-Nov-04	3,913.92	- -	63.48	3,850.44	ND	
	13-Dec-04		- -	63.29	3,850.63	ND	
	20-Dec-04	3,913.92	- -	63.32	3,850.60	ND	
	10-Jan-05		- -	63.30	3,850.62	ND	
	25-Jan-05		- -	63.27	3,850.65	ND	
	18-Feb-05		- -	63.23	3,850.69	ND	
	30-Mar-05		- -	63.19	3,850.73	ND	

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Lovington Deep 6" - Ref. #2002-10312

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)	PSH Recovery Volume (gallons)
MW-9 (cont.)	03-May-05		- -	63.21	3,850.71	ND	
	20-May-05		- -	63.18	3,850.74	ND	
	23-Aug-05		- -	63.13	3,850.79	ND	
	22-Nov-05		- -	63.20	3,850.72	ND	
	08-Dec-05						
MW-10	18-Nov-04	3,914.96	- -	63.73	3,851.23	ND	
	13-Dec-04		- -	63.89	3,851.07	ND	
	20-Dec-04		- -	63.92	3,851.04	ND	
	10-Jan-05		- -	63.89	3,851.07	ND	
	25-Jan-05		- -	63.86	3,851.10	ND	
	18-Feb-05		- -	63.82	3,851.14	ND	
	30-Mar-05		- -	63.75	3,851.21	ND	
	03-May-05		- -	63.74	3,851.22	ND	
	20-May-05		- -	63.72	3,851.24	ND	
	23-Aug-05		- -	63.68	3,851.28	ND	
	22-Nov-05		- -	63.40	3,851.56	ND	
	08-Dec-05						
MW-11	18-Nov-04	3,914.40					
	13-Dec-04		- -	63.31	3,851.09	ND	
	20-Dec-04		- -	63.33	3,851.07	ND	
	10-Jan-05		- -	63.31	3,851.09	ND	
	25-Jan-05		- -	63.29	3,851.11	ND	
	18-Feb-05		- -	63.32	3,851.08	ND	
	30-Mar-05		- -	63.16	3,851.24	ND	
	03-May-05		- -	63.19	3,851.21	ND	
	20-May-05		- -	63.14	3,851.26	ND	
	23-Aug-05		- -	63.11	3,851.29	ND	
	22-Nov-05		- -	63.05	3,851.35	ND	
	08-Dec-05						

Top of casing elevations referenced to groundwater monitoring well MW-3, which was assigned an elevation of 3,760 feet amsl

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

- - = Not Detected

If the cell is blank, the well was not gauged

Gray highlighted cells indicate current year's data

Yellow highlighted indicated sampling events

TABLE 2

Summary of Groundwater Analytical Results

Lovington Deep 6" - Ref. #2002-10312

Well #	Date	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	TPH	
								GRO	DRO
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW1	04-Mar-03	135	63.8	5.88	8.32	8.27	16.6		
	18-Sep-03	9.28	2.86	<1	<1	<1	<2	<0.5	<0.5
	04-Jun-04	55.9	21.2	2.62	2.21	3.52	5.73		
	10-Sep-04	24.7	3.65	<1	<2	3.21	3.21		
	13-Dec-04	13.7	2.67	<1	<2	2.45	2.45		
	30-Mar-05	<1	<1	<1	<2	<1	<3		
	20-May-05	<1	<1	<1	<2	<1	<3		
	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW2	04-Mar-03	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	18-Sep-03	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	04-Jun-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	10-Sep-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	13-Dec-04	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	30-Mar-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	20-May-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	23-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
	22-Nov-05	Not Sampled Due to the Presence of Phase Separated Hydrocabons							
MW3	04-Mar-03	7,480	4,660	669	1,250	570	1,820		
	18-Sep-03	9,740	114	782	522	36.3	558	<0.5	21.4
	04-Jun-04	4,600	2,870	541	817	249	1,070		

TABLE 2

Summary of Groundwater Analytical Results

Lovington Deep 6" - Ref. #2002-10312

Well #	Date	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	TPH	
								GRO	DRO
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW-3 (cont.)	10-Sep-04	7,210	73.3	833	342	53.7	396		
	13-Dec-04	16,100	747	1,020	1,080	386	1,470		
	30-Mar-05	4,410	376	403	125	159	284		
	20-May-05	25,700	744	2,280	827	1,010	1,837		
	23-Aug-05	6,150	76.3	582	<20	26.7	26.7		
	22-Nov-05	9,970	486	586	44.6	109	154		
MW4	04-Mar-03	38.5	3.62	<1	<1	1.5	1.5		
	18-Sep-03	1.24	<1	<1	<1	<1	<2	<0.5	<0.5
	04-Jun-04	26.2	1.16	<1	<2	<1	<3		
	10-Sep-04	1.01	<1	<1	<2	<1	<3		
	13-Dec-04	5.23	<1	<1	<2	<1	<3		
	30-Mar-05	3.89	<1	<1	<2	<1	<3		
	20-May-05	1.09	<1	<1	<2	<1	<3		
	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW5	04-Mar-03	44.9	6.72	<5	<5	<5	<10	<5	<5
	18-Sep-03	3.12	<1	<1	<1	<1	<3	<0.5	<0.5
	04-Jun-04	29.5	1.84	<1	<2	<1	<3		
	10-Sep-04	1.46	<1	<1	<2	<1	<3		
	13-Dec-04	<1	<1	<1	<2	<1	<3		
	30-Mar-05	2.17	<1	<1	<2	<1	<3		

TABLE 2

Summary of Groundwater Analytical Results

Lovington Deep 6" - Ref. #2002-10312

Well #	Date	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	TPH	
								GRO	DRO
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW-5 (cont.)	20-May-05	<1	<1	<1	<2	<1	<3		
	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW-6	13-Dec-04	<1	<1	<1	<2	<1	<3		
	30-Mar-05	<1	<1	<1	<2	<1	<3		
	20-May-05	<1	<1	<1	<2	<1	<3		
	23-Aug-05	<1	1.12	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW-7	13-Dec-04	43.4	21.2	2.2	5.07	3.86	8.93		
	30-Mar-05	5.32	2.65	<1	<2	<1	<3		
	20-May-05	<1	<1	<1	<2	<1	<3		
	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW-8	13-Dec-04	<1	<1	<1	<2	<1	<3		
	30-Mar-05	<1	<1	<1	<2	<1	<3		
	20-May-05	<1	<1	<1	<2	<1	<3		
	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW-9	13-Dec-04	<1	<1	<1	<2	<1	<3		
	30-Mar-05	<1	<1	<1	<2	<1	<3		
	20-May-05	<1	<1	<1	<2	<1	<3		

TABLE 2

Summary of Groundwater Analytical Results

Lovington Deep 6" - Ref. #2002-10312

Well #	Date	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	TPH	
								GRO	DRO
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)
MW-9 (cont.)	23-Aug-05	<1	<1	<1	<2	<1	<3		
	22-Nov-05	<1	<1	<1	<2	<1	<3		
MW-10	13-Dec-04	14,200	10,500	628	852	567	1,420		
	30-Mar-05	13,900	1,640	901	1,520	430	1,950		
	20-May-05	10,900	1,571	833	1130	324	1,454		
	23-Aug-05	12,200	1,200	858	856	332	1,188		
	22-Nov-05	116	889	578	384	358	742		
MW-11	13-Dec-04	<1	<1	<1	<2	<1	<3		
	30-Mar-05	3.07	<1	<1	<2	<1	<3		
	20-May-05	1.78	<1	<1	<2	<1	<3		
	23-Aug-05	1.48	<1	<1	<2	<1	<3		
	22-Nov-05	1.13	<1	<1	<2	<1	<3		
NMWQCC Standards		10	750	750			620		

µg/L - micrograms per liter

mg/L - milligrams per liter

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

Gray highlighted cells indicate current year's data

Blank cells indicate that analyses was not performed.

Red, bolded results are above the NMWQCC Standards for drinking water

NMWQCC - New Mexico Water Quality Control Commission

TABLE 3

Summary of Groundwater Polycyclic Aromatic Hydrocarbons (PAH) Analytical Results

Lovington Deep 6" - Ref #2002-10312.

Monitor Well Location	Date	Naphalene (µg/L)	Acenapthylene (µg/L)	Acenapthene (µg/L)	Flourene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a)-anthracene (µg/L)	Chrysene (µg/L)	Benzo(b)-fluoranthene (µg/L)	Benzo(j,k)-fluoranthene (µg/L)	Benzo(a)-pyrene (µg/L)	Indeno(1,2,3-cd)-pyrene (µg/L)	Dibenz(a,h)-anthracene (µg/L)	Benzo(g,h,i)-perylene (µg/L)
MW-1	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-2	25-Aug-05	Not Sampled Due to the Presence of Phase Separated Hydrocarbons															
MW-3	25-Aug-05	11.7	<0.05	<0.05	0.810	0.259	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-4	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-5	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6	25-Aug-05	0.169	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-7	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-8	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-9	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-10	25-Aug-05	32	<0.05	<0.05	0.889	0.405	0.429	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-11	25-Aug-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NMOCD Remedial Thresholds		30												0.70			

Red, bolded values are in excess of the NMWQCC Remediation Thresholds or Other Standards for Domestic Water Supply

- = Parameter was not analyzed

TABLE 4

Summary of Groundwater Sampling Recommendations

Lovington Deep 6" - Ref. #2002-10312

Monitoring Well	Eight Quarters Below NMOCD Standards	Sampling Schedule				Notes
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
MW-1	No	X	X	X	X	Recommend Annual PAH analysis
MW-2	No	X	X	X	X	Recommend Annual PAH analysis
MW-3	No	X	X	X	X	Recommend Annual PAH analysis
MW-4	No	X	X	X	X	Recommend Annual PAH analysis
MW-5	No	X	X	X	X	Recommend Annual PAH analysis
MW-6	No	X	X	X	X	Recommend Annual PAH analysis
MW-7	No	X	X	X	X	Recommend Annual PAH analysis
MW-8	No	X	X	X	X	Recommend Annual PAH analysis
MW-9	No	X	X	X	X	Recommend Annual PAH analysis
MW-10	No	X	X	X	X	Recommend Annual PAH analysis
MW-11	No	X	X	X	X	Recommend Annual PAH analysis

APPENDICES

APPENDIX A

GROUNDWATER LABORATORY ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

Sample Analysis Case Narrative

Client: Environmetal Plus, Inc. **Project ID:** 2002-10312

Attn: Iain Olness

for Sample #'s: 165409 **thru** 165418

Analyzed by AnalySys, Inc.

Final Review Date: 4/20/2005 **By:** _____ (D. Wagner)

Case Narrative:

The recovery of m,p-Xylenes in the Matrix Spikes (MS and/or MSD) for the analytical batch that contained sample #'s 165409 thru 165418 was outside normal laboratory acceptance criteria due to matrix effects in the randomly selected spiked sample. The Laboratory Control Sample (LCS) run with this batch met recovery criteria for m,p-Xylenes indicating the analytical method was operating correctly and in control. When viewed within the context of the passing LCS data, this deviation in spike recovery should have minimal impact on data usability.

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165409 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-1
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 07:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,

Dale Wagner

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.

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.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165409
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	74-124	---
Toluene-d8	8260b	110	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165409 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
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
m,p-Xylenes	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.

Notes:

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165410 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-3
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 09:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**4410**	µg/L	100	<100	04/11/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	**403**	µg/L	10	<10	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	**125**	µg/L	20	<20	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	**159**	µg/L	10	<10	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	**376**	µg/L	10	<10	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,

Dale Wagner

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.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165410
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	74-124	---
Toluene-d8	8260b	109	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165410 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-3

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
m,p-Xylenes	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.

Notes: _____

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 165411 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-4
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 08:55

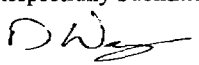
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3.89	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,



Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165411
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	74-124	---
Toluene-d8	8260b	109	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165411 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-4

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
m,p-Xylenes	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.

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165412 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-5
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 07:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	2.17	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165412
Attn: Iain Olness	**Sample Name:** MW-5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	74-124	---
Toluene-d8	8260b	111	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165412 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-5

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.
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J flag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	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.

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165413 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-6
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 09:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/07/05	8260b	J	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165413
Attn: Iain Olness	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	74-124	---
Toluene-d8	8260b	115	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165413 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-6

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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
m,p-Xylenes	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.

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165414 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-7
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 09:25

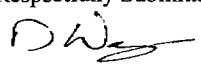
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	5.32	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	J	2.7	97.3	104.4	101.3
Toluene	2.65	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,



Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165414
Attn: Iain Olness	**Sample Name:** MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	74-124	---
Toluene-d8	8260b	115	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165414 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-7

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:

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J flag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165415 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-8
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 07:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165415
Attn: Iain Olness	**Sample Name:** MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	74-124	---
Toluene-d8	8260b	115	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165415 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-8

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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	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.

Notes: _____

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165416 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-9
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/11/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/11/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/11/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/11/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/11/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/11/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,

Dale Wagner

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.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165416
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95	74-124	---
Toluene-d8	8260b	98.7	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165416 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-9

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
m,p-Xylenes	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.

Notes:

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165417 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-10
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 08:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/13/05	8260b(5030/5035)	---	---	---	---	---
Benzene	13900	µg/L	1000	<1000	04/11/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	901	µg/L	10	<10	04/13/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	1520	µg/L	20	<20	04/13/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	430	µg/L	10	<10	04/13/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	1640	µg/L	10	<10	04/13/05	8260b	---	12.1	95.1	101.4	108.2

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.

Respectfully Submitted,

Dale Wagner

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.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165417
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	74-124	---
Toluene-d8	8260b	93.6	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165417 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-10

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).

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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
m,p-Xylenes	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.

Notes:

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165418 **Report Date:** 04/14/05
Project ID: 2002-10312
Sample Name: MW-11
Sample Matrix: water
Date Received: 04/01/2005 **Time:** 08:00
Date Sampled: 03/30/2005 **Time:** 08:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		04/07/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3.07	µg/L	1	<1	04/07/05	8260b	---	0.2	93.6	94.4	92.7
Ethylbenzene	<1	µg/L	1	<1	04/07/05	8260b	---	1.9	94.2	100.8	96.9
m,p-Xylenes	<2	µg/L	2	<2	04/07/05	8260b	S,M	2	89.5	95.4	93.1
o-Xylene	<1	µg/L	1	<1	04/07/05	8260b	---	2.7	97.3	104.4	101.3
Toluene	<1	µg/L	1	<1	04/07/05	8260b	---	12.1	95.1	101.4	108.2

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Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 165418
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	74-124	---
Toluene-d8	8260b	115	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165418 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-11

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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	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.

Notes: _____

12121

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 78408

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	John Robinson

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
165409	1	MW-1	G	3	X						X	X		30-Mar	7:00	X											
165410	2	MW-3	G	3	X						X	X		30-Mar	9:05	X											
165411	3	MW-4	G	3	X						X	X		30-Mar	8:55	X											
165412	4	MW-5	G	3	X						X	X		30-Mar	7:40	X											
165413	5	MW-6	G	3	X						X	X		30-Mar	9:45	X											
165414	6	MW-7	G	3	X						X	X		30-Mar	9:25	X											
165415	7	MW-8	G	3	X						X	X		30-Mar	7:20	X											
165416	8	MW-9	G	3	X						X	X		30-Mar	8:00	X											
165417	9	MW-10	G	3	X						X	X		30-Mar	8:20	X											
165418	10	MW-11	G	3	X						X	X		30-Mar	8:35	X											

Sampler Relinquished: Iain Olness	Date 3/31/05 Time 1630	Received By: [signature]	4/1/05 0800 AST
Relinquished by:	Date / Time	Received By: (lab staff)	
Delivered by:	Sample Cool & Intact Yes / No	Checked By:	

E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com

REMARKS:

T: 5.9°C

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167476 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-1
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 10:21

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/26/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/26/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/26/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/26/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/26/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,

Dale Wagner

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.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167476
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.7	70-130	---
Toluene-d8	8260b	101	80-127	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167477 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-3
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 12:41

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	25700	µg/L	100	<100	05/25/05	8260b	---	0.2	85.9	87.9	84.9
Ethylbenzene	2280	µg/L	100	<100	05/25/05	8260b	---	0.5	104	108.1	103.3
m,p-Xylenes	827	µg/L	200	<200	05/25/05	8260b	---	0	105.4	108.9	103.9
o-Xylene	1010	µg/L	100	<100	05/25/05	8260b	---	0.3	95.9	111.5	109.1
Toluene	744	µg/L	100	<100	05/25/05	8260b	---	0.1	95.5	96.8	96.1

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.

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Dale Wagner

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167477
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.7	70-130	---
Toluene-d8	8260b	102	80-127	---

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

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167478 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-4
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 11:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.09	µg/L	1	<1	05/26/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/26/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/26/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/26/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/26/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,

Dale Wagner

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.

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.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167478
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.8	70-130	---
Toluene-d8	8260b	102	80-127	---

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

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167479 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-5
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 09:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/26/05	8260b	J	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/26/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/26/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/26/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/26/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167479
Attn: Iain Olness	**Sample Name:** MW-5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.4	70-130	---
Toluene-d8	8260b	102	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167479 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-10312
Sample Name: MW-5

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.

Notes:

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167480 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-6
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 10:48

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/25/05	8260b	J	0.2	85.9	87.9	84.9
Ethylbenzene	<1	µg/L	1	<1	05/25/05	8260b	---	0.5	104	108.1	103.3
m,p-Xylenes	<2	µg/L	2	<2	05/25/05	8260b	---	0	105.4	108.9	103.9
o-Xylene	<1	µg/L	1	<1	05/25/05	8260b	---	0.3	95.9	111.5	109.1
Toluene	<1	µg/L	1	<1	05/25/05	8260b	---	0.1	95.5	96.8	96.1

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.

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167480
Attn: Iain Olness	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.7	70-130	---
Toluene-d8	8260b	102	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167480 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-10312
Sample Name: MW-6

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:

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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.

Notes:

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167481 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-7
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 11:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/25/05	8260b	---	0.2	85.9	87.9	84.9
Ethylbenzene	<1	µg/L	1	<1	05/25/05	8260b	---	0.5	104	108.1	103.3
m,p-Xylenes	<2	µg/L	2	<2	05/25/05	8260b	---	0	105.4	108.9	103.9
o-Xylene	<1	µg/L	1	<1	05/25/05	8260b	---	0.3	95.9	111.5	109.1
Toluene	<1	µg/L	1	<1	05/25/05	8260b	---	0.1	95.5	96.8	96.1

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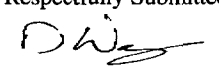
Respectfully Submitted,



Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167481
Attn: Iain Olness	**Sample Name:** MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.2	70-130	---
Toluene-d8	8260b	103	80-127	---

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

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167482 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-8
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/25/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/25/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/25/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/25/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/25/05	8260b	---	1.2	93.5	91.9	93.7

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Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167482
Attn: Iain Olness	**Sample Name:** MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.4	70-130	---
Toluene-d8	8260b	102	80-127	---

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

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167483 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-9
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 08:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/25/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/25/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/25/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/25/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/25/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167483
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.2	70-130	---
Toluene-d8	8260b	104	80-127	---

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

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167484 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-10
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 08:37

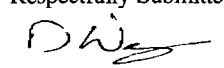
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	10900	µg/L	100	<100	05/26/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	833	µg/L	100	<100	05/26/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	1130	µg/L	200	<200	05/26/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	324	µg/L	100	<100	05/26/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	1570	µg/L	100	<100	05/26/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,



Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167484
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.7	70-130	---
Toluene-d8	8260b	103	80-127	---

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167485 **Report Date:** 05/26/05
Project ID: 2003-10312
Sample Name: MW-11
Sample Matrix: water
Date Received: 05/24/2005 **Time:** 09:00
Date Sampled: 05/20/2005 **Time:** 08:54

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.78	µg/L	1	<1	05/26/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	<1	µg/L	1	<1	05/26/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	<2	µg/L	2	<2	05/26/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	<1	µg/L	1	<1	05/26/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	<1	µg/L	1	<1	05/26/05	8260b	---	1.2	93.5	91.9	93.7

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.

Respectfully Submitted,

Dale Wagner

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.

ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-10312	**Report#/Lab ID#:** 167485
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.7	70-130	---
Toluene-d8	8260b	101	80-127	---

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

12542

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH
167476 1	MW-1	G	4	X						X	X		20-May	10:21	X							
167477 2	MW-3	G	4	X						X	X		20-May	12:41	X							
167478 3	MW-4	G	4	X						X	X		20-May	11:37	X							
167479 4	MW-5	G	4	X						X	X		20-May	9:20	X							
167480 5	MW-6	G	4	X						X	X		20-May	10:48	X							
167481 6	MW-7	G	4	X						X	X		20-May	11:10	X							
167482 7	MW-8	G	4	X						X	X		20-May	10:00	X							
167483 8	MW-9	G	4	X						X	X		20-May	8:15	X							
167484 9	MW-10	G	4	X						X	X		20-May	8:37	X							
167485 10	MW-11	G	4	X						X	X		20-May	8:54	X							

Sampler Relinquished: Iain Olness — Date: 5/23/05 Time: 1600 — Received By:

Relinquished by: — Date: 5/24/05 Time: 0900 — Received By: (lab staff) J Bade

Delivered by: — Sample Cool & Intact: Yes / No — Checked By:

E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com

REMARKS:

T: 5.9°C

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170212 **Report Date:** 09/02/05
Project ID: 2002-10312
Sample Name: MW-1
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 07:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	09/01/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	,S,M	8.6	108	106.6	107.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	2.2	117.5	115.7	115.9
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	2.9	116.9	113.6	115.1
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	1.5	115.4	111.9	113
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	7.1	110.1	105.6	110.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	J	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	J	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170212
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Naphthalene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170212
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	27	15-110	---
2-Fluorobiphenyl	610 & 8270c	30.7	30-110	---
1,2-Dichloroethane-d4	8260b	121	70-130	---
Toluene-d8	8260b	111	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170212 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
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.
Benzo[b]fluoranthene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Benzo[j,k]fluoranthene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes: _____

_____

_____

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170213 **Report Date:** 09/02/05
Project ID: 2002-10312
Sample Name: MW-3
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 07:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	09/01/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/31/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**6150**	µg/L	100	<100	08/31/05	8260b	,S,M	8.6	108	106.6	107.7
Ethylbenzene	**582**	µg/L	10	<10	08/31/05	8260b	---	2.2	117.5	115.7	115.9
m,p-Xylenes	<20	µg/L	20	<20	08/31/05	8260b	J	2.9	116.9	113.6	115.1
o-Xylene	**26.7**	µg/L	10	<10	08/31/05	8260b	---	1.5	115.4	111.9	113
Toluene	**76.3**	µg/L	10	<10	08/31/05	8260b	---	7.1	110.1	105.6	110.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	J	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	**0.818**	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	15.4	55.7	101.3	58.3

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.

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10312
Sample Name: MW-3

Report#/Lab ID#: 170213
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Naphthalene	11.7	µg/L	0.5	<0.5	08/30/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	0.289	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170213
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	51.4	15-110	---
2-Fluorobiphenyl	610 & 8270c	47.7	30-110	---
1,2-Dichloroethane-d4	8260b	111	70-130	---
Toluene-d8	8260b	111	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170213 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-3

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.
m,p-Xylenes	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170214 **Report Date:** 09/02/05
Project ID: 2002-10312
Sample Name: MW-4
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	09/01/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	J,S,M	8.6	108	106.6	107.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	2.2	117.5	115.7	115.9
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	2.9	116.9	113.6	115.1
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	1.5	115.4	111.9	113
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	7.1	110.1	105.6	110.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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.

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: Iain Olness

Project ID: 2002-10312
Sample Name: MW-4

Report#/Lab ID#: 170214
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Naphthalene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170214
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	40.4	15-110	---
2-Fluorobiphenyl	610 & 8270c	46.3	30-110	---
1,2-Dichloroethane-d4	8260b	114	70-130	---
Toluene-d8	8260b	111	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170214 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-4

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	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170215 **Report Date:** 09/02/05
Project ID: 2002-10312
Sample Name: MW-5
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 08:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	09/01/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/31/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/31/05	8260b	J,S,M	8.6	108	106.6	107.7
Ethylbenzene	<1	µg/L	1	<1	08/31/05	8260b	---	2.2	117.5	115.7	115.9
m,p-Xylenes	<2	µg/L	2	<2	08/31/05	8260b	---	2.9	116.9	113.6	115.1
o-Xylene	<1	µg/L	1	<1	08/31/05	8260b	---	1.5	115.4	111.9	113
Toluene	<1	µg/L	1	<1	08/31/05	8260b	---	7.1	110.1	105.6	110.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10312
Sample Name: MW-5

Report#/Lab ID#: 170215
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual.[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Naphthalene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	09/01/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170215
Attn: Iain Olness	**Sample Name:** MW-5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	37.3	15-110	---
2-Fluorobiphenyl	610 & 8270c	42.6	30-110	---
1,2-Dichloroethane-d4	8260b	110	70-130	---
Toluene-d8	8260b	111	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170215 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-5

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	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170190 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-6
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 09:00

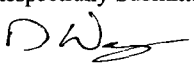
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	J	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	J	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	J	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	J	0.5	98.8	95.8	97.2
Toluene	1.12	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,



Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10312
Sample Name: MW-6

Report#/Lab ID#: 170190
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Naphthalene	0.109	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170190
Attn: Iain Olness	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	32.5	15-110	---
2-Fluorobiphenyl	610 & 8270c	43.6	30-110	---
1,2-Dichloroethane-d4	8260b	93.5	70-130	---
Toluene-d8	8260b	109	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170190 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-6

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).

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☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

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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.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Fluorene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.
Phenanthrene	J	See J-flag discussion above.

Notes: _____

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170191 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-7
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	J	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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.

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: Iain Olness

Project ID: 2002-10312
Sample Name: MW-7

Report#/Lab ID#: 170191
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Naphthalene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170191
Attn: Iain Olness	**Sample Name:** MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	37.5	15-110	---
2-Fluorobiphenyl	610 & 8270c	49.5	30-110	---
1,2-Dichloroethane-d4	8260b	98.9	70-130	---
Toluene-d8	8260b	106	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170191 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-7

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
o-Xylene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes: _____

_____

_____

AnalySys Inc.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170192 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-8
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10312
Sample Name: MW-8

Report#/Lab ID#: 170192
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Naphthalene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
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Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

[redacted] Report Date: 09/21/05 [redacted]

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170192
Attn: Iain Olness	**Sample Name:** MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	27.2	15-110	---
2-Fluorobiphenyl	610 & 8270c	34.8	30-110	---
1,2-Dichloroethane-d4	8260b	102	70-130	---
Toluene-d8	8260b	106	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170192 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-8

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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170193 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-9
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 10:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
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Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
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Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170193
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Naphthalene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170193
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	37.4	15-110	---
2-Fluorobiphenyl	610 & 8270c	50.1	30-110	---
1,2-Dichloroethane-d4	8260b	98.7	70-130	---
Toluene-d8	8260b	107	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170193 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-9

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).

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J flag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170194 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/30/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/31/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**12200**	µg/L	100	<100	08/31/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	**858**	µg/L	100	<100	08/31/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	**856**	µg/L	200	<200	08/31/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	**332**	µg/L	100	<100	08/31/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	**1390**	µg/L	100	<100	08/31/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	J	0.6	44.1	103.2	42.8
Anthracene	**0.429**	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	**0.698**	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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.

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: Iain Olness

Project ID: 2002-10312
Sample Name: MW-10

Report#/Lab ID#: 170194
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Naphthalene	32	µg/L	0.5	<0.5	08/30/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	0.405	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	13.4	54.4	101.3	51.7

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170194
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	51.5	15-110	---
2-Fluorobiphenyl	610 & 8270c	44.7	30-110	---
1,2-Dichloroethane-d4	8260b	100	70-130	---
Toluene-d8	8260b	104	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170194 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-10

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
Acenaphthylene	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.

Notes:

[redacted]

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170195 **Report Date:** 08/31/05
Project ID: 2002-10312
Sample Name: MW-11
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/23/2005 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/30/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.48	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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.

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: Iain Olness

Project ID: 2002-10312
Sample Name: MW-11

Report#/Lab ID#: 170195
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Naphthalene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/30/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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.	**Project ID:** 2002-10312	**Report#/Lab ID#:** 170195
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	33.5	15-110	---
2-Fluorobiphenyl	610 & 8270c	52	30-110	---
1,2-Dichloroethane-d4	8260b	96.8	70-130	---
Toluene-d8	8260b	105	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170195 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312
Sample Name: MW-11

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).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

13270

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

ANALYSIS REQUEST

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
170212	1	MW-1	G	6	X						X	X		23-Aug-05	7:00	X							X			
170213	2	MW-3	G	6	X						X	X		23-Aug-05	7:30	X							X			
170214	3	MW-4	G	6	X						X	X		23-Aug-05	8:00	X							X			
170215	4	MW-5	G	6	X						X	X		23-Aug-05	8:30	X							X			
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									

Sampler Relinquished: Iain Olness	Date 8/24/05 Time 1630	Received By: [signature] 8/25/05 1000
Relinquished by:	Date / Time	Received By: (lab staff)
Delivered by:	Sample Cool & Intact Yes No	Checked By:

E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
REMARKS:

+3.1

13265

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

ANALYSIS REQUEST

	LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH			
1	170190	MW-6	G	6	X						X	X		23-Aug-05	9:00	X							X			
2	170191	MW-7	G	6	X						X	X		23-Aug-05	9:30	X							X			
3	170192	MW-8	G	6	X						X	X		23-Aug-05	10:00	X							X			
4																										
5																										
6																										
7																										
8																										
9																										
10																										

Sampler Relinquished: Iain Olness	Date 8/24/05 Time 1630	Received By:	E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
Relinquished by:	Date / Time	Received By: (lab staff)	REMARKS:
Delivered by:	Sample Cool & Intact: Yes / No	Checked By:	

+3.1

13266

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH			
170193	1	MW-9	G	6	X						X	X		23-Aug-05	10:45	X							X				
170194	2	MW-10	G	6	X						X	X		23-Aug-05	11:30	X							X				
170195	3	MW-11	G	6	X						X	X		23-Aug-05	12:30	X							X				
	4																									
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									

Sampler Relinquished: Iain Olness — Date: 8/24/05 Time: 1630 — Received By: J Bedell — 8/25/05 1000

Relinquished by: — Date: — Time: — Received By: (lab staff)

Delivered by:

Sample Cool & Intact: Yes No

Checked By:

E-mail results to: iolness@envplus.net and cjreynolds@paalp.com

REMARKS:

t=3.1

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173959 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-1
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 08:30

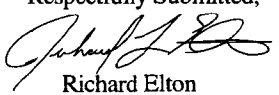
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	8.5	108	118.4	111
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	6.6	108.8	115.7	112

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.

Respectfully Submitted,



Richard Elton

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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.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173959
Attn: Iain Olness	**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	88.8	70-130	12/01/05	---
Toluene-d8	8260b	92.9	80-127	12/01/05	---

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

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173960 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-3
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	9970	µg/L	200	<200	12/02/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	586	µg/L	5	<5	12/02/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	44.6	µg/L	10	<10	12/02/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	109	µg/L	5	<5	12/02/05	8260b	---	8.5	108	118.4	111
Toluene	486	µg/L	5	<5	12/02/05	8260b	---	6.6	108.8	115.7	112

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Respectfully Submitted,

Richard Elton

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173960
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.6	70-130	12/02/05	---
Toluene-d8	8260b	96.4	80-127	12/02/05	---

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

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173961 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-4
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	8.5	108	118.4	111
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	6.6	108.8	115.7	112

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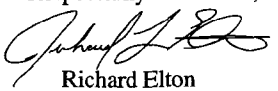
Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173961
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.5	70-130	12/01/05	---
Toluene-d8	8260b	92.7	80-127	12/01/05	---

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

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Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173962 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-5
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	8.5	108	118.4	111
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	6.6	108.8	115.7	112

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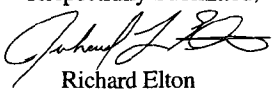
Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173962
Attn: Iain Olness	**Sample Name:** MW-5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.1	70-130	12/01/05	---
Toluene-d8	8260b	93	80-127	12/01/05	---

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173963 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-6
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	8.5	108	118.4	111
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	6.6	108.8	115.7	112

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173963
Attn: Iain Olness	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.3	70-130	12/01/05	---
Toluene-d8	8260b	93.6	80-127	12/01/05	---

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

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173964 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-7
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	100.9	105	103.3
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	7.8	109.7	117.2	111.2
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	7.2	108.2	116.2	109.1
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	8.5	108	118.4	111
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	6.6	108.8	115.7	112

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173964
Attn: Iain Olness	**Sample Name:** MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.5	70-130	12/01/05	---
Toluene-d8	8260b	91.7	80-127	12/01/05	---

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

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173965 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-8
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/02/05	8260b	---	6.3	113.5	116.3	112.8
Ethylbenzene	<1	µg/L	1	<1	12/02/05	8260b	---	6.2	111.7	113.8	108.6
m,p-Xylenes	<2	µg/L	2	<2	12/02/05	8260b	---	6.8	109.9	111.3	107.8
o-Xylene	<1	µg/L	1	<1	12/02/05	8260b	---	1.2	115.1	104.5	111.8
Toluene	<1	µg/L	1	<1	12/02/05	8260b	---	9.6	113.2	119.1	111

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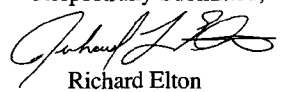
Respectfully Submitted,



Richard Elton

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173965
Attn: Iain Olness	**Sample Name:** MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	116	70-130	12/02/05	---
Toluene-d8	8260b	118	80-127	12/02/05	---

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

AnalySys INC.

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Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173966 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-9
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/02/05	8260b	---	6.3	113.5	116.3	112.8
Ethylbenzene	<1	µg/L	1	<1	12/02/05	8260b	---	6.2	111.7	113.8	108.6
m,p-Xylenes	<2	µg/L	2	<2	12/02/05	8260b	---	6.8	109.9	111.3	107.8
o-Xylene	<1	µg/L	1	<1	12/02/05	8260b	---	1.2	115.1	104.5	111.8
Toluene	<1	µg/L	1	<1	12/02/05	8260b	---	9.6	113.2	119.1	111

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.

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.

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.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173966
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	113	70-130	12/02/05	---
Toluene-d8	8260b	115	80-127	12/02/05	---

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173967 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-10
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	116	µg/L	1	<1	12/02/05	8260b	---	6.3	113.5	116.3	112.8
Ethylbenzene	578	µg/L	1	<1	12/02/05	8260b	---	6.2	111.7	113.8	108.6
m,p-Xylenes	384	µg/L	2	<2	12/02/05	8260b	---	6.8	109.9	111.3	107.8
o-Xylene	358	µg/L	1	<1	12/02/05	8260b	---	1.2	115.1	104.5	111.8
Toluene	889	µg/L	1	<1	12/02/05	8260b	---	9.6	113.2	119.1	111

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.

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.

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.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173967
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	128	70-130	12/02/05	---
Toluene-d8	8260b	124	80-127	12/02/05	---

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: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173968 **Report Date:** 12/06/05
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-11
Sample Matrix: water
Date Received: 11/23/2005 **Time:** 10:30
Date Sampled: 11/22/2005 **Time:** 13:00

REPORT OF ANALYSIS **QUALITY ASSURANCE DATA** [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.13	µg/L	1	<1	12/02/05	8260b	---	6.3	113.5	116.3	112.8
Ethylbenzene	<1	µg/L	1	<1	12/02/05	8260b	J	6.2	111.7	113.8	108.6
m,p-Xylenes	<2	µg/L	2	<2	12/02/05	8260b	J	6.8	109.9	111.3	107.8
o-Xylene	<1	µg/L	1	<1	12/02/05	8260b	J	1.2	115.1	104.5	111.8
Toluene	<1	µg/L	1	<1	12/02/05	8260b	J	9.6	113.2	119.1	111

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.

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.

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.	**Project ID:** 2002-10312 Lovington Deep 6"	**Report#/Lab ID#:** 173968
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	122	70-130	12/02/05	---
Toluene-d8	8260b	123	80-127	12/02/05	---

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

Exceptions Report:

Report #/Lab ID#: 173968 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2002-10312 Lovington Deep 6"
Sample Name: MW-11

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
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

14031

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

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 All American
Facility Name	Lovington Deep 6"
Project Reference	2002-10312
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING DATE	SAMPLING TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH (10)			
173959 1	MW-1	G	6	X						X	X		22-Nov-05	8:30	X							X			
173960 2	MW-3	G	6	X						X	X		22-Nov-05	9:00	X							X			
173961 3	MW-4	G	6	X						X	X		22-Nov-05	9:30	X							X			
173962 4	MW-5	G	6	X						X	X		22-Nov-05	10:00	X							X			
173963 5	MW-6	G	6	X						X	X		22-Nov-05	10:30	X							X			
173964 6	MW-7	G	6	X						X	X		22-Nov-05	11:00	X							X			
173965 7	MW-8	G	6	X						X	X		22-Nov-05	11:30	X							X			
173966 8	MW-9	G	6	X						X	X		22-Nov-05	12:30	X							X			
173967 9	MW-10	G	6	X						X	X		22-Nov-05	12:00	X							X			
173968 10	MW-11	G	6	X						X	X		22-Nov-05	1:00	X							X			

Sampler Relinquished:	Date	Received By:	E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
	Time		REMARKS:
Relinquished by:	Date 11-22-05	Received By: (lab staff)	
	Time 4:15P	ASI 11-23-05 10:30 AM	
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

Temp: 2.1°c

APPENDIX B

NMOCD *Stage 1 and Stage 2 Abatement Plan*

Approval Letter (April 13, 2005)

NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 13, 2005

Ms. Camille Reynolds
Plains Marketing, L.P.
3112 West Hwy 82
Lovington, NM 88260

Re: Plains All American Pipeline, L.P.
Stage 1 and Stage 2 Abatement Plan
Revision #1 for the
Lovington Deep 6" Site (Ref. #2002-10312)
NMOCD Ref. # AP-037
SE/4 NE/4 of Section 6, T17S, R36E
Lea County New Mexico

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the above report. This report is hereby approved with the following understandings and conditions:

1. The Hobbs NMOCD office will be notified at least 72 hours in advance of all sampling events.
2. In reference to section 5.5.7 of the plan, it has been determined that the public notice requirements of NMOCD Rule 19 have been previously met and no further action regarding this section of the plan is required.
3. All references to "Link" or "Link Energy" in the plan are understood to mean Plains All American Pipeline, L.P. (Plains).
4. All contaminated materials will be disposed of at an NMOCD-approved surface waste management facility.
5. Per section 4.3.5.3 of the report, it is understood that Plains intends to install additional monitor wells at the site. Plains will submit a report, and obtain NMOCD approval, showing the locations of the proposed wells prior to installation.
6. Per section 5.5 of the report, it is understood that Plains will aggressively recover phase-separated hydrocarbons from the groundwater using an eductor type circulating recovery system, and that contaminated groundwater will be remediated using groundwater sparging until groundwater is remediated to levels below NMOCD regulatory limits.
7. Quarterly monitoring reports mentioned in section 5.5.6 of the report will include a recap of all other activities at the site for the previous quarter and include any analyses of soils as may

have been necessary. Substitute the word annual for quarterly in this section. The NMOCD feels that annual reports will be sufficient to monitor the progress at the site.
8. Section 5.2.2 of the report describes the construction and installation of a clay barrier to prevent further migration of contaminants by isolating the remaining source. Plains will notify the Hobbs NMOCD office 72 hours in advance of the commencement of the installation of the clay barrier, and will subsequently notify the Hobbs NMOCD office 72 hours in advance of any backfilling operations at the site.

NMOCD approval of this plan does not relieve Plains from liability should its operations at this site prove insufficient to protect groundwater, human health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other federal, state, county, or local governmental agency.

If you have any questions, contact Ed Martin at (505) 476-3492 or emartin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Roger C. Anderson
Environmental Bureau Chief

Cc: NMOCD, Hobbs
Patrick B. McMahon of Heidel, Samberson, Newell, Cox & McMahon
Pat McCasland, Environmental Plus, Inc.

APPENDIX C

NMOCD *Annual Monitoring Report* Recommendations

Approval Letter (April 6, 2005)

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 6, 2005

Ms. Camille Reynolds
Plains All American Pipeline, L.P.
P.O. Box 3119
Midland, TX 79702-3119

Re: Annual Monitoring Report
Plains All American Pipeline
Lovington Deep 6 (Ref. #2002-10312)
UL-H, Section 6, T17S, R36E
Lea County, New Mexico
NMOCD Ref. 1R-0383

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the report shown above. Please refer to the "Recommendations" section VIII of the report for the following:

1. Item #1 - Approved, with the understanding that a more aggressive phase-separated hydrocarbon recovery system will be installed as described in Part 5.5 of the revised Stage 1 and Stage 2 Abatement Plan, dated August 2004.
2. Item #2 - This will be superseded by Part 5.5.6 of the Stage 1-2 Abatement Plan.
3. Item #3 - Same
4. Item #4 - Approved with the understanding that the Stage 1-2 Abatement Plan will be updated accordingly.
5. Item #5 - No backfilling activities are to take place until a final soil closure report is submitted showing the sample results of the excavation as it exists at that time and sample results of the backfill material.

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

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

cc: NMOCD, Hobbs

APPENDIX D

NMOCD *Soil Closure Report* Recommendations

Approval Letter (October 20, 2005)

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

October 20, 2005

Ms. Camille Reynolds
Plains Pipeline
3112 West Highway 82
Lovington, NM 88260

Re: Plains Pipeline Soil Closure Report Dated September 16, 2005
Lovington Deep 6" Release Site
EMS No. 2002-10312
SE/4 NE/4 Section 6, Township 17 South, Range 36 East
NMOCD Reference AP-037

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the report shown above submitted on behalf of Plains Pipeline, L.P. (Plains) by Environmental Plus, Inc. This report is approved with the following understanding and conditions:

1. The soil phase at this site can be closed, and the barrier proposed in the Stage 1 and Stage 2 Abatement Plan Revision #1 dated August 2004 (Abatement Plan) may be installed.
2. The excavation may then be backfilled utilizing the stockpiled soils.
3. Plains' recommendation that the sampling strategy outlined in the Abatement Plan be suspended is not approved. Such sampling shall be completed prior to installation of the barrier.
4. Successful completion of the sampling required, installation of the barrier, backfilling and installation of the covering cap shall be described in the next annual report for this site.

NMOCD approval of this report does not relieve Plains of future liability at this site should its operations further harm to the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other local, state or federal governmental entity.

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

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Copy: NMOCD, Hobbs, NM

APPENDIX E

INFORMATIONAL COPIES OF

SITE INFORMATION AND METRICS FORM

AND

INITIAL C-141

EOTT Energy Pipeline Site Information and Metrics	**Incident Date and NMOCD Notified?:** Discovered 12-12-02 NMOCD verbally notified on 12-12-02
SITE: Lovington Deep 6"	Assigned Site Reference #: #
Company: EOTT Energy Pipeline	
Street Address: 5805 East Highway 80	
Mailing Address: P.O. Box 1660	
City, State, Zip: Midland, Texas 79703	
Representative: Frank Hernandez, District Environmental Supervisor	
Representative Telephone: 915.638.3799	
Telephone:	
Fluid volume released (bbls): 25 bbls	Recovered (bbls): 10
>25 bbls : Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Lovington Deep 6"	
Source of contamination: 6" Steel Crude Oil Pipeline	
Land Owner, i.e., BLM, ST, Fee, Other: Darr Angell	
LSP Dimensions 140' X 75'	
LSP Area: Spill Area ~6,000 ft^2	
Location of Reference Point (RP)	
Location distance and direction from RP	
Latitude: 32° 52' 1.132"N	
Longitude: 103° 23' 16.570"W	
Elevation above mean sea level: ~3,918 'amsl	
Feet from South Section Line	
Feet from West Section Line	
Location- Unit or ¼¼: UL-H SE ¼ of the NE ¼	
Location- Section: 6	
Location- Township: 17S	
Location- Range: 36E	
Surface water body within 1000 ' radius of site: None	
Domestic water wells within 1000' radius of site: None	
Agricultural water wells within 1000' radius of site: None	
Public water supply wells within 1000' radius of site: None	
Depth from land surface to ground water (DG) ~50.0'below ground surface	
Depth of contamination (DC) – ?	
Depth to ground water (DG – DC = DtGW) - to be determined	

1. Ground Water	**2. Wellhead Protection Area**	**3. Distance to Surface Water Body**
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 20	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*
Site Rank (1+2+3) = 20		

Total Site Ranking Score and Acceptable Concentrations

Parameter	**>19 (Surface to 50.0'bgs)**	10-19	0-9
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

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 "INFORMATION ONLY NON-REPORTABLE" ☒ Initial Report ☐ Final Report

Name of Company	Contact
EOTT Energy Pipeline	Frank Hernandez
Address	Telephone No.
5805 East Highway 80 / P.O. Box 1660, Midland, TX 79703	915.638.3799
Facility Name:	Facility Type
Lovington Deep 6"	Crude Oil Pipeline

Surface Owner	Mineral Owner	Lease No.
Darr Angell		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
H	6	17S	36E					Lat.: 32°52'1.132"N Lon:103°23'16.570"W

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil	25 bbls	10 bbls
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
6" steel pipeline	12-12-02 8:00 AM	12-12-02 10:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheeley and Sylvia Dickie, Hobbs NMOCD (left messages) Confirmed with Sylvia Dickie at 11:45 AM 12-12-02	
By Whom? Pat McCasland (Environmental Plus, Inc.)	Date and Hour: NMOCD notified on 12-12-02 10:30 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The cause of the leak was internal/external corrosion. The contaminated soil was stockpiled on a plastic barrier. Disposing at South Monument SWF

Describe Area Affected and Cleanup Action Taken.*

Spill Area = ~6,000 ft^2 Near surface soil will be characterized in accordance with 40 CFR 261 and with NMOCD approval, disposed of in a NMOCD approved facility. The site will be delineated and remediated.

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: Frank Hernandez	OIL CONSERVATION DIVISION	
Printed Name: Frank Hernandez	Approved by District Supervisor:	
Title: District Environmental Supervisor	Approval Date:	Expiration Date:
Date: December 12, 2002 Phone: 915.638.3799	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary